



# Project portfolio INTERREG IVA North



Gränslösa möjligheter



EUROPEISKA UNIONEN  
Europeiska regionala  
utvecklingsfonden

**INTERREG**  
**IV|A|NORD**

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## Appendix: Public co-financing

## Introduction

As of today, 93 projects and 28 preliminary studies have been approved; out of this number, 15 projects and 23 preliminary studies have been completed. Description of all the projects are provided below in the present project portfolio. Project description includes information about the beneficiary and the amount of the granted funds, as well as other details.

Program's budget coming from the European Regional Development Fund (ERDF), is divided into four priority areas. So far, approximately 93 per cent of the budget has been used for financing various projects. The table below shows ERDF budget status as of 30.11.2011.

Prioritized area	Budget	Approved	%	Returned	Remaining	%
1	9 095 705	7 667 861	84,3%	76 349	1 504 193	16,5%
2	9 241 454	9 290 546	100,5%	11 844	-37 248	-0,4%
3	9 241 454	9 711 681	105,1%	428 651	-41 576	-0,4%
4	4 349 845	3 044 837	70,0%	44 775	1 349 783	31,0%
	31 928 458	29 714 925	93,1%	561 619	2 775 152	8,7%

More than 200 various national public organisations contribute with co-financing. Most of them (60 per cent) co-finance one project each. 13 contributors (approximately 6 per cent) co-finance more than 10 projects each. The two most important contributors are the County Administrative Board of Norrbotten, Sweden and Lapin Liitto, Finland that co-finance more than 45 projects each. As for Norway, the most important contributors are Nordland and Troms county municipalities (more than 15 projects each). All co-financers are mentioned in the relevant project description as well as in the annex to the present portfolio.

# 1. Trade and industry development

**Goal:** In 2013 the region's trade and industry will encompass additional and more profitable companies which are active in both new and established trades, irrespective of administrative boundaries.

## **Interim objective 1**

*Small and medium-sized companies develop new products and services in the areas of strategic development.*

## **Interim objective 2**

*Cross border networks and business relationships created between small and medium-sized companies.*

## **Interim objective 3**

*Small and medium-sized companies expand their markets within the areas of strategic development.*

**Target group:** Small and medium-sized companies, municipal development companies and other interested organizations, universities and research institutes.

**Budget ERDF: 9 095 705 €**

**Granted amount: 7 667 861 €(84%)**

**Returned: 76 349 €**

**Remaining: 1 504 193 €(16%)**

The following projects have been approved within prioritized area 1.

Project	Granted amount
<b>Interim objective 1; Small and medium-sized companies develop new products and services in the areas of strategic development.</b>	
Border route	159 000
Sensorband II	597 600
Oil analysis	486 600
Preliminary study; Region Artica	9 918
Region Artica	159 328
Tools to develop tourism in Varanger region and...	36 900
Anacompo	492 159
JoHTo	420 000
Barents entrepreneur advice	122 500
Preliminary study; North practice	5 000
BERRY	218 959
COBS	306 437
Pot. Dev. and demo. of new techn. -small-scale hydropower	10 000
Intelligent Road	445 019
Forum för industriell framtid	403 801
<b>Total:</b>	<b>3 873 221</b>
<b>Part of total budget:</b>	<b>43%</b>
<b>Interim objective 2; Cross border networks and business relationships created between small and medium-sized companies.</b>	
Fennoscandian Exploration and Mining 2009	63 064
Center of Expertise for energy in Cold Climate	63 560
FilmArc, network and communication	198 521
FilmArc, developing a company	667 139
Preliminary study: Borderless business developing	10 000
Preliminary study: A variety of the Euro arctic region	10 000
Development of the experience industry HaparandaTornio	216 000
Preliminary study: KLUTO	10 000
Grenseoverskridande Innovasjon	174 000
Network of expertise for Energy in Cold Climate	183 618
Business network over the northern borders	73 950
Preliminary study: North Calotte network - Sustainable...	10 000
Cross-Biz	275 953
Preliminary study; Preserving the heritage of military history	10 000
<b>Total:</b>	<b>1 965 805</b>
<b>Part of total budget:</b>	<b>22%</b>
<b>Interim objective 3; Small and medium-sized companies expand their markets within the areas of strategic development.</b>	
Nordic Business Link	429 963
Preliminary study; Success factors for female entrepr.ship	7 200
Preliminary study: North Business Accelerator	2 502
CIFA	509 658
Nordic Business Link 2.0	436 319
Bothnian Arc Steel & Metal Industry	443 193
<b>Total:</b>	<b>1 828 835</b>
<b>Part of total budget:</b>	<b>20%</b>
<b>Budget ERDF €</b>	<b>9 095 705</b>
<b>Granted amount €</b>	<b>7 667 861</b>
<b>Granted amount %</b>	<b>84%</b>

## **Descriptions of projects and preliminary studies granted in priority 1**

### **Project: Fennoscandia Exploration and Mining 2009**

**Lead partner: Regional Council of Lapland**

**Partners:**

County administrative Board of Norrbotten  
Geological Survey of Sweden

**Background**

The interest that FEM 2007 arouses is a clear message that there is a need within the prospecting and mining industry for network meetings like the FEM Conference. It was estimate that 350 people would take part at the Conference. The real number of participants was 550 from all over the world.

**Objective and aim**

The FEM Conference and the Association is an instrument for networking and shall be developed further so it has real significance in promoting the mining industry in the programme area. The main purpose with Fennoscandia Exploration and Mining 2009 project is to create or find an organisation/association which can continue with the FEM conferences in the future without considerable public finance.

**Project time:** 2008-05-01 – 2010-05-31

**Date for decision:** 2008-06-12

**Grant amount:** 3 064 euro

**Public co-financing:** Sveriges geologiska undersökning 2 198 euro, Länsstyrelsen i Norrbottens län 3 397 euro, Nordkalottrådet 25 502 euro, Lapplands förbund 2 211 euro, Norra Österbottens förbund 2 198 euro, Mellersta Österbottens förbund 2 198 euro, Samkommunen för Kajanlands landskap 2 198 euro, Norra karelen landskapsförbund 2 198 euro.

**Total budget:** 105 164 euro

**Project leader:** Riitta Muhojoki

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## **Project: Centre of Expertise for Energy in Cold Climate**

**Lead partner: Luleå University of Technology**

### **Partners**

Vinn  
Narvik College

### **Background**

The background is an initiative from the organization “Innovasjon Norge” on a commission from the Norwegian Foreign Minister. In October 2007 the foreign ministers from Norway, Sweden and Finland met in Bodö. They agreed that a common energy output in the North had great possibility of development. They also expressed an opinion for coordination the competence in the field of energy within the different actors in the North Calotte area. All in order to create better possibilities for concrete results based on research and technical development innovation and product development, commercialisation, business development and internationalisation.

### **Objective and aim**

The project shall through mapping; networking and co-operation among present actors within the energy sector create a platform of expertise within the field of developing energy in the North Calotte area. The long-term aim is that there should be strong development surroundings in North Calotte with high skills in renewable sources of energy.

**Project time:** 2008-07-01 - 2009-09-30

**Date for decision:** 2008-06-12

**Grant amount:** 63 560 euro

**Norwegian IR-funding:** 52 964 euro

**Public co-financing:** Nordkalottrådet 15 000 + 26 482 euro, Norrbottens läns landsting 25 800 euro, Luleå tekniska universitet 1 594 euro, Innovasjon Norge/Fylkeskommunene 26 482 euro.

**Total budget:** 105 928 euro

**Project leader:** Marcus Öhman

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## **Project: Nordic Business Link**

**Lead partner: Norrbotten Chamber of Commerce**

### **Partners**

Municipality of Oulu  
VINN

### **Background**

Companies in the region are depending on capacity and possibility to reach new clients and work on new markets for their future growth. The project comprises analysis; acquire knowledge and networking activities in order to increase export and make it easier for companies to meet new business partners.

### **Objective and aim**

The project will take care of the opportunities which create through the regions strategic international work. The co-operation will be close to the companies and focus on concrete business activities.

**Project time:** 2008-06-15 - 2010-12-31

**Date for decision:** 2008-09-25

**Grant amount:** 429 963 euro

**Norwegian IR-funding:** 170 676 euro

**Public co-financing;** Luleå kommun 57 915 euro, Piteå kommun 32 671 euro, Boden kommun 22 276 euro, Kalix kommun 13 960 euro, Älvsby kommun 6 830 euro, Oulu stad 143 320 euro, Exportrådet 9 670 euro, Troms fylke 66 025 euro, Nordland fylke 66 025 euro, Innovasjon Norge 38 627 euro.

**Total budget:** 1 171 128 euro

**Project leader:** Tommy Nilsson

**Telephone:** +46 920 43 56 60

## **Project: SensorBand II - SensorBand in Real Life Environment**

**Lead partner: Meri-Lappi Institute**

### **Partners**

Kalix Electropolis AB, Care Tech AB  
National Semiconductor Finland OY  
Luleå University of Technology/EISLAB  
Oulu University, Kemi - Tornio University of Applied Sciences  
Oulu deaconess foundation  
Municipality of Kalix

### **Background**

In the northern part of Sweden and Finland several companies has products within the sphere of elderly care. They have a need for further development of services including alarm and sensor system.

Results from the realized project SensorBand carried out 2006-2007 showed a possibility to introduce new services that can make the elderly care more efficient and increase confidence for elderly so they can continue to live in their own home environment. But there are still several important matters that need to be answered. For example; how well does the alarm function, both from the elderly care institutions and the users' point of view? Also a number of ethical issues must be cleared. Among them the possibility to watch over the old woman or man in order to find out that a serious situation have arise.

### **Objective and aim**

The objective of the project is

- Increasing security and quality for elderly care in the home demands further developing of systems for alarm that exist in home help.

The aim are:

- To develop, establish and evaluate a service within elderly care in a major test in Finland and Sweden.
- Verify that the service fulfil functional demands and benefit what costumers want.
- With help of scientific studies study the connection between activity and movement also document how to identify persons that are in a risk situation and prevent accidents.

**Project time:** 2008-08-01 - 2011-06-30

**Date for decision:** 2008-10-09

**Grant amount:** 597 600 euro

**Total budget:** 1 030 000 euro

**Public co-financing:** Kalix kommun 41 000 + 11 000 euro, Längmanska företagarfonden 38 100 euro, Norrbottens forskningsråd 60 000 euro, Länsstyrelsen i Norrbotten 60 300 euro, Kemin Digipolis Oy 60 000 euro, Lapplands förbund 135 000 euro, Luleå tekniska universitet 1 000 euro.

**Project leader:** Aaro Tiilikainen, +358 400 584 581, **E-mail:** aaro.tiilikainen@oulu.fi

## **Project: Oil analysis**

**Lead partner: Luleå University of Technology**

### **Partner**

Kemi-Tornio University of Applied Sciences

### **Background**

Within the framework of the common activity that innovation surroundings ProcessIT and Digipolis Research prosecute during 2005-2007 and in discussions with regional industries emerge that particle in oil is a problem where it today is missing satisfactory technical solutions on the market.

A demonstration project with a technical solution including a camera for measuring particles was carried out and also evaluated. Connecting universities and small and medium sized companies around a concrete industrial problem creates possibilities to strengthen research, new innovative products based on leading-edge technology developed by regional suppliers, and possibility to have new technical solutions in readiness for industries in the region.

### **Objective and aim**

The overall objective of the project is to develop a solution for particle analysis in oil. That will be done in co-operation between Swedish and Finnish research organizations.

#### **Aim**

1. Interdisciplinary research within the following spheres:
  - a. Lubrication and wear of machine part with focus on particle generate.
  - b. System for optical particle analysis.
  - c. Built-in system for tough environment including communication.
  - d. Interaction between human being – machine.
2. Develop a demonstration system based on results from research.
3. At least one industrial pilot installation of the demonstration system.
4. Make cooperation possible between companies with focus on product developing.
5. Make use of possibility to develop new products and services.
6. A well developed cross border innovation system between the organisations.

**Project time:** 2008-10-01 - 2011-04-30

**Date for decision:** 2008-10-09

**Grant amount:** 486 600 euro

**Total budget:** 816 000 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 108 000 euro, Digipolis 16 000 euro, Kemi Tornio yrkeshögskola 18 600 euro, Lapplands förbund 71 800 euro.

**Project leader:** Pär-Erik Martinsson, +46 920 49 13 67, Par-Erik.Martinsson@ltu.se

## **Project: FilmArc A - Developing a company**

**Lead partner: Filmpool Nord**

**Partners:** POEM, Film in Västerbotten, FilmCamp AS

### **Background**

A preliminary study forms a basis for this project. This preliminary study is carried out during 2007-2008. The study has looked into how the creative industry, with focus on audiovisual industry could develop in a larger region including northern part of Norway, Sweden and Finland.

Companies that produce long film/television with larger budget want first of all means for project developing. Smaller companies that produce short and documentary film and sometimes information/order films have a relatively modest turn over. The preliminary study shows that these companies among other things want help with finding new client groups and get knowledge in marketing and how to make their company more visible. The companies also want knowledge about new technique, business models, financing and distribution. They also need means for developing competence in form of participation in national and international courses, seminars and forums.

All regions film workers have expressed need for developing competence within specific occupation as mask, edit, photo, updated branch knowledge, new technique etcetera. They also want to gain increased possibilities to make their knowledge more visible for neighbourhood countries production companies in order to get a job.

### **Objective and aim**

The aim is to develop and strengthen production companies and to develop and strengthen film workers. The objectives are strong companies, the project will lead to that approximate 40 companies are stronger financial and in competence than before the project, competent film workers and approximate 40 film workers will have increased competence through courses.

**Project time:** 2008-08-01 - 2011-07-30

**Date for decision:** 2008-10-09

**Grant amount:** 667 139 euro

Norwegian IR-funding: 251 668 euro

**Public co-financing:** Luleå kommun 126 998 euro, Norrbottens läns landsting 68 594 euro, Länsstyrelsen i Norrbotten 89 789 euro, Längmanska företagarfonden 126 998 euro, Skellefteå kommun 89 957 euro, Umeå kommun 58 208 euro, Region Västerbotten 47 624 euro, Västerbottens läns landsting 90 545 euro, POEM/Oulu stad 206 999 euro, Kuusamo kommun 50 000 euro, Team Botnia 45 000 euro, Troms fylkeskommune 251 666 euro.

**Total budget:** 2 393 685 euro

**Project leader:** Stina Almqvist

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## **Project: FilmArc B - Network and communication**

**Lead partner: Filmpool Nord**

### **Partners**

POEM

Film in Västerbotten

FilmCamp AS

### **Background**

In the project Film B - Network and communication the working partners as well as the project management will create the visual side of what's going on in this project. They will also visualize already existing infrastructure in this branch that isn't gathered somewhere.

Filmpool Nord and POEM has a well functional register on Internet. FilmCamp and Film in Västerbotten as well as the Sami region have today any register that functions. This project will make an inventory of the regions/partners infrastructure and introduce them to a common and new register. It will be done from the new technical platform developed at Filmpool Nord. The register will be technical developed so it can be administrated from all partners. Products from the project as register and platform is in English in order to give present and future international costumers best possible entrance to the northern region.

### **Objective and aim**

**Objective**

The project will create a jointly register for film workers and companies as well as developing a platform for the project and its partners. The existing register at Filmpool Nord will be further developed so it covers all regions.

**Aim**

The project has created a common and well used register with substance of film workers, film service companies and production companies.

**Project time:** 2008-08-01 - 2011-07-30

**Date for decision:** 2008-10-09

**Grant amount:** 198 521 euro

Norwegian IR-funding 74 473 euro

**Public co-financing:** Norrbottens läns landsting 130 413 euro, Västerbottens läns landsting 89 368 euro, Lapplands förbund 75 000 euro, Oulu stad 3 001 euro, Troms fylkeskommun 74 473 euro.

**Total budget:** 645 249 euro

**Project leader:** Stina Almqvist, +46 920 43 45 81, stina@fpn.se

## **Project: Border route**

**Lead partner: Municipality of Gällivare**

### **Partner**

Municipality of Tysfjord

### **Background**

The Sami Village Sörkaitum, municipality of Tysfjord and Gällivare has through a cultural cooperation rebuilt a long-distance footpath from Ritsem, municipality of Gällivare to Sörfjorden in Tysfjord municipality. However they have discovered that this path needs to be completed with two side paths in order to be independent from transport with boat.

In order to preserve the long-distance footpath as a solid cultural product for tourists the companies has through cooperation draw up a guarantee of quality as well as a market plan.

### **Objective and aim**

Through cooperation within trade and industry the project will prepare a lasting cross border touristic product "Border route" that content quality as well as culture. The long-distance footpath will be a strong complement to local industry so that the regions attraction and competition power will be strengthened.

### **Project time**

2008-07-01 - 2010-12-31

### **Date for decision**

2008-06-12

### **Grant amount**

159 000 euro

Norwegian IR-funding

142 500 euro

**Public co-financing;** Länsstyrelsen i Norrbotten 36 400 euro, Vattenfall 15 000 euro, Länsarbetsförmedlingen 20 000 euro, LKAB 10 000 euro, Gällivare kommun 24 600 euro, Narvik energi AS 25 000 euro, Tysfjord kommune 117 500 euro.

### **Total budget**

550 000 euro

**Project leader** Lars Israelsson, +46 970 181 15, lars.israelsson@kommun.gellivare.se

## **Project: Tools to develop tourism in Varanger region and north Lapland**

**Lead partner: Municipality of Enare**

### **Partner**

Municipality of Nesseby

### **Background**

Tourist industry in northern Finland and Norway is according to tradition founded in the regions diversified nature and extreme attractive geographical location. Tourism in summertime plays an important role on the Arctic Ocean. Winter tourism has its main emphasis in villages in northern Lapland and Saariselkä tourist centre. To develop tourism in northern Lapland and the fiord of Varanger is therefore a challenge in it self. In order to find solutions for increasing tourism developing of service in the region with nature as attractive force is a possibility. The region has still unexploited potential for nature tourism for example in the Varanger fiord. The unique with this fiord is that it's partly ice-covered. That makes activities possible when it's clear of snow as well as the snow-covered time of year. Especially fishing can be offered as a new product for tourism industry. To create a network for developing tourism in northern Lapland and Varanger region is crucial for the developing of the region. In the cooperation will benefit by earlier work and results from tourist project. A harder international competition in tourism demands new attractive tourist products. This project makes it possible to develop new products as cross border snow mobile and long-distance footpath.

### **Objective and aim**

Main objective in the project is to create a frame for developing cooperation between northern Lapland and Varanger region with focus on tourism. This can be attained by taking care of existing knowledge in tourism in northern Lapland as well as the possibilities that Varanger region offers. It is important for northern Lapland that tourism and knowledge of it develops in Varanger region because that tourist places in northern Norway is of significant importance also for northern Lapland. Cooperation project between municipalities is important when exchanging knowledge in tourism industry.

**Project time:** 2009-02-01 – 2011-06-30

**Date for decision:** 2009-01-29

**Grant amount:** 36 900 euro

Norwegian IR-funding; 94 596 euro

**Public co-financing:** Lapin Liitto 7 550 euro, Inarin kunta 15 050 euro, Utsjoen kunta 2 000 euro, Nesseby kommun 19 781 euro, Tana kommun 3 650 euro, Indre utviklingsselskap 3 708 euro, Saamelaiskäräjät 27 495 euro, Finnmarkseiendomen 3 650 euro, Innovasjon Norge 27 575 euro, Finnmark fylkeskommune 12 165 euro

**Total budget:** 256 120 euro

**Project leader:** Reijo Timperi, +358 16 687 200, **E-mail:** reijo.timperi@inari.fi

## **Project: Region Arctica**

**Lead partner: Enontekiön Kehitys Oy**

### **Partners**

Municipality of Kiruna  
Troms Reiseliv AS

### **Background**

Enontekiö and Muonio municipalities in Finnish Lapland, the eastern part of municipality of Kiruna as well as eight adjacent municipalities near Enontekiö in North Troms and Finnmark have agreed about a cooperation project within tourism industry. The area forms cultural and geographical a coherent unique area where you can show up a manifoldness of geographical scenery and culture expressions. The area has a major need for concrete cross border cooperation within trade and industry. There is a special need for prolonging winter- and summer seasons when it comes to tourism. Tourism companies, trade and industry as well as municipalities in the cooperation area are interested of a venture with purpose to create a effective profile for tourism. Tourism is an important source for occupation in the area at the same time as it is a modern and rapidly growing industry with bright prospects.

The first meetings for trade and industry and other cooperation partners in the Nordic region was held during 2007 Arctic Network workshop in Hetta and Kilpisjärvi. In the meeting in Kilpisjärvi they agreed upon the importance of improve the cooperation between companies in the region. Trade and industry in the area was granted for a preliminary study within INTERREG IVA North and in this study 43 companies took part.

### **Objective and aim**

The purpose with this project is to prolong the tourism season and create a profitable co-operation in trade and industry. This will be done through creating a cooperation network and common cross border and qualified tourism products, good communication and common marketing for actors in the area.

**Project time:** 2009-01-01 – 2011-12-31

**Date for decision:** 2009-01-29

**Grant amount:** 114 920 euro

**Norwegian IR-funding:** 72 941 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 26 766 euro, Kiruna kommun 11 350 euro, Enontekiön kehitys Oy 10 351 euro, Lapin Liitto 26 223 euro, Muonio kommun 10 351 euro.

**Total budget:** 398 986 euro

**Project leader:** Kirsti Näkkäläjärvi/Kimmo Aaltonen, + 358 400 132 798

**E-mail:** kimmo.aaltonen@enontekio.fi

## **Project: Development of the experience industry in the region of Haparanda-Tornio**

**Lead partner: Municipality of Haparanda**

### **Partners**

Team Bothnia  
Gränsföretagarna  
Tornion yrittäjät

### **Background**

Haparanda-Tornio has in a short while become a strong trading centre for northern part of Sweden and Finland. The establishing of IKEA in 2006 was followed by new areas for super markets. Developing of this new extern trade has been very rapidly and all parts of the old structure have not managed to keep up with this new situation.

In order to balance industry structure, develop and stimulate new companies to make the most of the potential in the big amount of visitors there are need for special contribution in trade and tourism industry on both sides of the border.

### **Objective and aim**

The project will promote development of existing companies, new products and activities in order to increase the selection of attractions and diversify Haparanda-Tornio as an international meeting place in the Barents region.

**Project time:** 2009-01-01 – 2011-12-31

**Date for decision:** 2009-01-29

**Grant amount:** 216 000 euro

**Total budget:** 396 000 euro

**Public co-financing:** Haparanda kommun 72 000 euro, Torneå stad 72 000 euro.

**Project leader:** Sirkka-Liisa Stock

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**E-mail:** sirkka-liisa.stock@haparanda.se

## **Project: Crossborder innovations**

**Lead partner: ALMI Företagspartner Nord AB**

### **Partners**

Forskningsparken Narvik AS  
Bedriftskompetanse - VINN AS

### **Background**

The project will be collaboration between Forskningsparken / BK WIN Narvik AS in Norway and Almi and will have an impact on business development in the Arctic.

### **Objective and aim**

The aim is to enhance competitiveness among innovators and industry in the Arctic area by establishing a network that can increase collaboration and skills transfer across borders.

An enlarged cross neat work between established players to address innovations for commercialization and licensing across the border between entrepreneurs, academia and research institutes.

**Project time:** 2010-01-01 - 2012-12-31

**Date for decision:** 2009-10-23

**Grant amount:** 174 000 euro

**Norwegian IR-funding:** 110 000 euro

**Public co-financing:** ALMI 32 000 euro, Länsstyrelsen i Norrbottens län 30 000 euro, Nordkalotträdet (svensk del) 17 000 euro, Norrbottens läns landsting 37 000 euro, Innovasjon Norge (Nordland) 25 000 euro, Innovasjon Norge (Troms fylke) 17 500 euro, Innovasjon Norge (Finnmark) 12 500 euro, Nordkalotträdet (norsk del)17 500 euro, Nordlands fylkeskommune 37 500 euro.

**Total budget:** 652 000 euro

**Project leader:** Hans Strandberg

**Telephone:** +46 920 379 00

**E-mail:** hans.strandberg@almi.se

## **Project: Network of expertise for Energy in cold Climate**

**Lead partner: Luleå University of Technology**

### **Partners**

Samkommun för utbildning Lappia

VINN Narvik AS

Högskolan i Narvik

Norut Narvik AS

### **Objective and aim**

The goal is to develop the "Network of Expertise for Energy in Cold Climate" to a competitive, strong network that ensures long-term survival. The network will continuously create workshops and other venues that provide opportunities for new innovative solutions to technology development based on renewable energy can be integrated through new partnerships between SMEs, universities / schools, corporations and public organizations. These technological ideas must be intended to develop new energy-efficient and commercial products with export potential through an integrated cross-border co-operation actor. This should ultimately contribute to the number of jobs increases in the Arctic.

**Project time:** 2009-11-01 - 2011-10-31

**Date for decision:** 2009-10-23

**Grant amount:** 183 618 euro

**Public co-financing:** NLL 30 379 euro, Länsstyrelsen i Norrbotten 30 379 euro, Nordkalotträdet (svensk del) 13 330 euro, Nordkalotträdet (finsk del) 13 330 euro, Lapplands förbund 34 994 euro, Nordkalotträdet (norsk del) 13 330 euro, Nordland fylkeskommune 75 000 euro, Troms fylkeskommune 48 000 euro, Finnmark fylkeskommune 14 250 euro.

**Total budget:** 607 190 euro

**Project leader:** Marcus Öhman

**Telephone:** +46 920 49 19 77

**E-mail:** marcus.ohman@ltu.se

## **Project: Application of natural fibre reinforced composites in harsh environments (Anacompo)**

**Lead partner: Teknologisentret KETEK AB**

### **Partners**

Swerea SICOMP AB, Karleby unit for Tammerfors University of Technology  
Luleå University of Technology

### **Background**

A lot of natural fibres have the potential to replace fibreglass in light weight structures because of natural fibres high specific strength. The use of renewable raw materials to produce rigid plastic that is possible to decompose biological is also a step into the right direction.

### **Objective and aim**

- The project will fill the lack of knowledge that is an obstacle for using renewable raw materials in composite materials.
- The project will stimulate cooperation between Finnish and Swedish R&D and industries in the Northern region.
- The research is directed to developing ecological effective light weight composites as well as spreading knowledge to the companies. The number of companies in the project is seventeen. Among them are nine companies from Sweden and eight from Finland.
- The aim is to get relevant data for biological based fibre available for composite industries.
- Through the project expertise in the region will be strengthened through a closer cooperation between Finnish and Swedish researchers and companies.
- Knowledge about biological based composite material will stimulate development of new products.
- By using biological based components the possibilities of recycling is increasing.
- By events arranged within the project network and partnership between Finnish and Swedish companies will establish.
- Experience gained in this project will also stimulate to participating in other international projects.

**Project time:** 2010-01-01 - 2012-12-31

**Date for decision:** 2009-10-23

**Grant amount:** 492 159 euro

**Total budget:** 906 937 euro

**Public co-financing:** LTU 46 218 euro, Länsstyrelsen i Norrbotten 140 000 euro, Sicomp 19 950 euro, Lapin Liitto 161 840 euro, KETEK AB 15 000 euro.

**Project leader:** Egidija Rainosallo, +358 44 7250 264 **E-mail:** egidija.rainosallo@ketek.fi

## **Project: Business Network over the Northern Borders**

**Lead partner: Rådet för Gränskommuner i Norr rf**

### **Partner**

Municipality of Karasjokk

### **Background**

The Council for municipalities along the border has fifteen member municipalities' from four different countries. The challenge seems to be lack of resources for international cooperation and insufficient knowledge about trading and services across borders.

### **Objective and aim**

The objective is to develop competence in international trade among companies and municipalities in the region as well as promoting network among actors. Special notice will be addressed to more smoothly handling of different cross-border problems.

The project will contribute to:

- Increasing businesses contacts and broaden market for small- and medium sized companies in this northern part.
- Increasing knowledge in cross-border trade in the region.
- Strengthen of network within trade and industry between the countries.

**Project time:** 2009-11-01 - 2012-04-30

**Date for decision:** 2009-10-23

**Grant amount:** 73 950 euro

**Norwegian IR-funding;** 64 625 euro

**Public co-financing:** Lapin Liitto 15 274 euro, Nordkalottrådet 15 282 euro, Rådet för gränskommuner i norr rf (finsk del) 18 744 euro, Norska utrikesdepartementet 73 880 euro, Rådet för gränskommuner i norr rf (norsk del) 15 745 euro.

**Total budget:** 256 500 euro

**Project leader:** Reijo Timperi , +358 40 731 0594, **E-mail:** reijo.timperi@inari.fi

## **Project: Joint Test Service Platform for High Tech Industries (JoHTo)**

**Lead partner: Kemi - Torneå yrkeshögskola**

### **Partners**

Iin Micropolis  
KETEK AB  
Luleå University of Technology  
Adopticum  
CPD - Center

### **Background**

With the Northern Finland and Northern Sweden is geographically the same region is the next natural step to link the networks to expand its service offering.

### **Objective and aim**

Purpose

- Collecting and collating relevant information about the joint network of expertise and equipment.
- to increase knowledge of test and development opportunities within the program area in several industries (eg electronics, ICT, chemicals, metals).
- The development of new services based on such data collection.

Objectives

Joint cross-border test and skills network creates new services that support the development of new business in the company, which encourages the creation of both new companies to invest in the region, mainly in high technology and product owners

**Project time:** 2010-04-01 - 2012-12-31

**Date for decision:** 2010-04-22

**Grant amount:** 420 000 euro

**Total budget:** 700 000 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 36 000 euro, Region Västerbotten 36 000 euro, Luleå kommun 20 010 euro, LTU 9 000 euro, Skellefteå kommun 20 010 euro, NLL 10 000 euro, Kalix kommun 9 000 euro, ELY 87 500 euro, Cetria 5 000 euro, Oulun yliopisto 5 000 euro, Valtion Tekn. Tutkimuskeskus 5 000 euro, Micropolis 12 500 euro, Kemin Digipolis 10 000 euro, Kemi-Tornio amk 4 980 euro, KETEK 10 000 euro.

**Project leader:** Seppo Saari, +358 10 383 5317, **E-mail:** seppo.saari@tokem.fi

## **Project: Barents Entrepreneur Advice**

**Lead partner: Företagarna Norrbotten Service AB**

### **Partners**

Länsipohjan Yrittäjät ry  
Bedriftsförbundet, avd Nord-Norge

### **Background**

Arctic generally has a business structure with many small players. Previous projects and knowledge shows that there is a great need to support small and medium sized businesses in the enlarged cross-border cooperation. During the formation of the Barents Entrepreneur Advice will be the task to be taken.

### **Objective and aim**

Barents Entrepreneurial Advice (BFR) to serve as a proactive partner organization of the three sister organizations. The establishment of BFR is to encourage greater cooperation and mutual trade in the Arctic. Barents Entrepreneur Advice should - work to establish business networking among entrepreneurial configurations - be a catalyst for the SMEs to the region's major investment and procurement - to provide adequate information about potential investments - collect information and knowledge of regulations and border barriers - work to SMEs actively involved and cooperate in the bidding - to work on internationalization - provide adequate service and advice to SMEs - to offer professional development in cross-border issues.

**Project time:** 2010-05-01 - 2011-12-31

**Date for decision:** 2010-04-22

**Grant amount:** 123 818 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 28 600 euro, Nordkalotträdet (svensk del) 11 960 euro, Lapin liitto 20 398 euro, Nordkalotträdet (finsk del) 20 708 euro, Troms fylkeskommune 46 500 euro, Nordkalotträdet (norsk del) 12 332 euro

**Total budget:** 368 180 euro

**Project leader:** Kjell Hjelm

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## **Project: CIFA – Connect Interreg - North Business Accelerator**

**Lead partner:** CONNECT North Service Ltd

**Partners;** CONNECT North Norway, CONNECT North business network (Sweden), Origo Nord AS, ProBarents AS, Kunnskapsparken Nord AS, Forskningsparken i Narvik AS, Vesterålen Grundehage AS, Kunnskapsparken Bodö AS (Norway)

### **Background**

CIFA will support the firms by offering practical knowledge and international networks so that the firms are better managed for the growth process. The support will contain new competence that the organizations can learn from each other and it will contribute to the industrial and commercial development in a more intense way. CIFA will also offer personal development regarding company management. The project will take advantage of the various competencies that exist on both sides of the border in order to enhance business competitiveness and hence their growth potential. In the current situation, there are few opportunities for new business start-ups to reach their respective markets and competencies. There is a need for more cross-border exchange of experiences in order to create more growth in businesses. There is a large demand for international growth among companies, which is also an important factor in regional development especially in terms of jobs.

### **Objective and aim**

The project's main goal is that 200 companies will take note of “Företagsacceleratorn” during the project period. This goal will be reached by GAP analysis conducted in the northern Norwegian and Swedish regions, 800 small and medium-sized businesses are offered the opportunity for activity. 240 of these growth companies are more likely to implement the GAP analysis and the analysis phase of “Företagsacceleratorn”, this involves analysis of meetings with various partners, skills and mentoring meetings before the act phase. CIFA project structure with the skills partners and mentors / coaches have been established in northern Scandinavia. The project will also have the following impact objectives:

- Growth companies shall within 12 months after beginning “Företagsacceleratorn” have increased their turnover and number of employees by 20%.
- The companies shall, within 24 months after beginning “Företagsacceleratorn” have increased their turnover and number of employees by another 40%

**Project time:** 2010-10-01 – 2013-06-30

**Date for decision:** 2010-10-20

**Grant amount ERDF:** 509 658 euro

**Norwegian IR-funding:** 447 182 euro

**Public co-financing:** ALMI 74 641 euro, Tillväxtverket 104 167 euro, Region Västerbotten 74 641 euro, Länsstyrelsen i Norrbotten 74 641 euro, SIVA 73 337 euro, Tromsö regionråd 24 595 euro, Finnmark fylkeskommune 22 359 euro, RDA Tromsö 165 456 euro, Nordland fylkeskommune 161 432 euro

**Total budget:** 1 982 734 euro

**Project leader:** Anders Gothefors, +46 70 335 19 19, **E-mail:** [anders.g@connectnorr.org](mailto:anders.g@connectnorr.org)

## **Project: Cross-Biz**

**Lead partner:** Internet Bay AB

### **Partners**

Dimes RY, Bothnian Arc Association

### **Background**

The project partners have identified a need to bring together various suppliers relating to offer industrial customers good practice, and has therefore decided to cooperate in cross-Biz to support the region's businesses to find new cross-border partners. This, for example by offering a combination of product and services that is traditionally purchased separate independent of each other. A new kind of “light joint venture” cooperation would strengthen the suppliers' position in the value chain and bring them closer to customers.

### **Objective and aim**

The project aims to increase the proportion of purchases by industrial customers in northern Sweden, Finland and Norway by local / regional suppliers from Sweden and Finland, and in this way to strengthen cross-border business relationships and secure a greater share of the investments made of the industrial customers end up with the local / regional suppliers.

The goal is to

- To offer industrial customers in Sweden, Norway and Finland in-depth information about the solutions that local / regional suppliers in Finland and Sweden provide
- To create synergies between different parts of the industrial value chain, where local / regional suppliers from Finland and Sweden, together with industrial clients create competitive solutions based on new business models developed in the light of the needs of the industrial customer has, and thereby increase sales of local / regional suppliers (SME's) for industrial customers in the region.
- To strengthen providers' competitiveness by increasing their ability to test and deploy business models of existing products and services through user-driven development methods.
- Making the work procedures and processes undertaken within the framework of this project to the commonly accepted models even after the project ends.

**Project time:** 2011-02-01—2013-07-31

**Date for decision:** 2011-02-07

**Grant amount ERDF:** 275 953 euro

**Total budget:** 500 000 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 40 090 euro, Länsstyrelsen i Västerbotten 20 046 euro, Luleå kommun 45 001 euro, Umeå kommun 9 000 euro, Bothnian Arc 5 445 euro.

**Project leader:** Lisa Lundgren **E-mail:** lisa.lundgren@internetbay.com

## **Project: BERRY - Energy and resource efficiency in integrated juice and ingredient production**

**Lead partner: Kemi-Tornio University of Applied Sciences**

**Partners** Luleå University of Technology

### **Background**

The berry industry is working well, but competition in the global market place sets new demands on raw materials and energy optimization. So far, the berry industry has focused mainly on the production of juice concentrates with a weak focus on other so-called by-products that can be exploited using new technologies and processes already used by other companies in the region. Berries are also sold in order to produce other substances such as anthocyanins (anto = plant, cyan = blue) is the natural color of the molecules that give plants their blue colors. But it is also the plants own immune system. These major anthocyanins found in berries such as with strong colored blue as blueberries and black currants. This project will developed existing technologies so that the quality and quantity of juice concentrates and by-products is as high as possible. The focus is in process integration by optimizing the whole system instead of units, process development, and on their effects on berry product quality.

### **Objective and aim**

The aim of the project is to combine berry industry processes into an energy and resource efficient integrated process, optimizing the quality, and generating simultaneously juices, juice concentrates, berry skins and seeds and other mechanically derived ingredients. The long-term objective is to raise all the industry's competitiveness and refinement level in the global marketplace and enable the development of new products.

Short-term project designed to raise commodity prices - and energy efficiency in the red fruit sector within the means of further developing the processes and energy optimization. The goal is to combine the existing bärindustriprocessen, a intergrenad industrial process. The integrated industrial process, energy - and resource-efficient and high quality of the various products in order to achieve the quality, there are milestones. 1. Evaluation of new (but existing) processes, 2. Evaluation of new technologies and processes in the production of juices and other products., 3. Optimization the whole process system to higher resource and energy efficiency, 4. Further develop and implement pilot sub-tests, 5. Development of parameters quality and product, 6. New berry products and ingredients from berries for food

**Project time:** 2011-04-01 - 2014-03-31

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 218 959 euro

**Total budget:** 404 935 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 36 787 euro, LTU 26 582 euro, Norrbottens läns landsting 10 207 euro, ELY 36 200 euro, finska kommuner 36 200 euro

**Project leader:** Seppo Saari, **E-mail:** [seppo.saari@tokem.fi](mailto:seppo.saari@tokem.fi)

## **Project: COBS**

**Lead partner: Luleå University of Technology**

**Partners** Eistec AB, Vivision Roller, Forskningsparken i Narvik (FPN)

### **Background**

The Narvik-based company ViVision Roller (<http://www.vivisionroller.com/>) holds a proprietary process for the manufacturing of composite based conveyor belt rollers. Currently, a production line is being set up and cooperation is established with Swerea SICOMP in Piteå with the intention to widen the range of products and to automate the production process. The composite roller holds a number of advantages over a traditional steel roller. These include lighter weight, low friction to avoid fires, and also no cutting of the belt at stops. The product has obtained a high level of interest from primary industry, with a number of pilot installations performed. In the contacts with LKAB and Boliden, ViVision has seen an increasing interest in the possibilities available for condition monitoring to avoid or reduce downtime due to sudden roller failures.

### **Objective and aim**

The proposed project will develop and launch a supervision system which will increase the availability and performance of conveyor belt transports in primary industry. The base in the system is the “Intelligent conveyor belt roller”; a composite based roller that will hold embedded electronics and sensors allowing measurement of critical performance parameters such as bearing temperature, vibrations, rpm etc. The data will be transmitted wirelessly to plant monitoring, and will allow preventive maintenance as well as immediate recognition of roller failures. This will reduce downtime in the plant due to unexpected failures, thus increasing availability, plant throughput, and reducing the cost for maintenance.

To achieve the objective, the project will aim towards:

- The development of a system which is commercially marketable.
- Research and development performed in close cooperation between academic partners, SMEs and mining industry.
- The completion of a pilot installation of 100 units in a mill.

**Project time:** 2010-11-01 - 2013-11-01

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 306 437 euro

**Norwegian IR-funding:** 146 480 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 91 203 euro, LTU 122 471 euro, Nordlands fylkeskommun 146 480 euro, Forskningsparken i Narvik 54 781 euro

**Total budget:** 875 829 euro

**Project leader:** Pär-Erik Martinsson **E-mail:** [Par-erik.martinsson@ltu.se](mailto:Par-erik.martinsson@ltu.se)

## **Project: Nordic Business Link 2.0**

**Lead partner:** Norrbottens Handelskammare Service AB

**Partners** Business Oulu, Naeringsforeningen i Tromsøregionen, Handelskammare Service AC län AB, Bedriftskompetanse AS, Hammerfest Naeringsforening, Narvik Naeringsforum

### **Background**

Trade between northern Norway, northern Sweden and northern Finland is important for the development of our region and represents the backbone for small and medium-size enterprises. Studies undertaken by the Chamber of Commerce of Norrbotten clearly show that the majority of small and medium-size enterprises of the region export towards those three countries which represent the most important markets for them. Furthermore, these close-by markets are most attractive in terms of expansion for both export and import, and the trade runs smoothly compared to other international markets. But there is an evident potential in terms of increasing the trade in the region. There is a tangible lack of knowledge about the business potential of the region. Some of the enterprises manifest low level of preparedness for export activities, are lacking knowledge in terms of international trade and hesitate to consider trade in the east-west direction versus traditional north-south direction.

### **Objective and aim**

The objective of Nordic Business Link 2.0 is to increase the export capacity of regional small and medium sized companies and their stake in commodity circulation thus increasing trade in the north of Norway, north of Finland and North of Sweden. Nordic Business Link 2.0 aims at establishing a structure that would provide support to companies with a view to increase trade in the region. The said structure should be sustainable and functional and would provide support to companies on a permanent basis as to increase their export capacity and their stake in commodity circulation. Furthermore, the idea is that the concept of Nordic Business Link remains operational after the project is finished.

**Project time:** 2011-04-01 – 2013-12-31

**Date for decision:** 2011-06-23

**Grant amount ERDF:** 436 319 euro **Grant amount Norwegian IR-funding:** 209 500 euro

**Public co-financing;** Luleå Municipality 57 273 euro, Piteå Municipality 27 273 euro, Kalix Municipality 19 091 euro, Älvsbyns Municipality 8 181 euro, Bodens Municipality 10 909 euro, ALMI Nord 11 000 euro, Region Västerbotten 27 273 euro, Exportrådet 11 000 euro, Troms fylkeskommune 69 834 euro, Nordland fylkeskommune 69 833 euro, Finnmark fylkeskommune 69 833 euro

**Total budget:** 1 519 169 euro

**Project leader:** Robert Forsberg

**E-mail:**

## **Project: Bothnian Arc Steel & Metal Industry**

**Lead partner:** Raahen seudun Teknologikeskus Oy (RRTC)

**Partners** Business Oulu (Uleåborg stad), Utbildningssamkommunen Lappia i Kemi-Tornio, Bothnian Arc Ek För, AB Centek, Luleå tekniska universitet,

### **Background**

Finnish and Swedish steel and metal industries located in the Bothnian Arc have many similarities. The area hosts quite a few important industry plants surrounded by a whole range of small and medium enterprises (SMEs) that provide services to the formers. The majority of SMEs specialize on deliveries to various large businesses in the steel, wood pulp or mining sector. Only a very small number of SMEs also work with the development and sales of their own products. This dependence on larger clients often becomes a hinder for the development of SMEs. In order to overcome this problem, SMEs must be able to develop new products or services. The companies will undergo a modernization process that will include gathering of information about the market structure and demand so that SMEs could offer their own products or services to new clients.

### **Objective and aim**

The project aims at enhancing the competitiveness of SMEs and at ensuring their economical growth in the selected sector that is linked to the steel and metal industry as well as to the mining and energy sectors. The project also aims at identifying resources available within the industry, society and the academic world in the Bothnian Arc area and at disseminating information about their activities and operations as to establish effective partnerships. The objective is to strengthen the competitiveness and to ensure a long-term economic growth for Bothnian Arc steel and metal industry.

**Project time:** 2011-07-01 – 2014-06-30

**Date for decision:** 2011-06-23

**Grant amount ERDF:** 443 193 euro

**Public co-financing;** Luleå kommun 47 500 € Länsstyrelsen i Norrbottens län 95 000 €, Raahen seutukunta 47 860 €, ELY 44 200 €, Oulun seutukunta 66 663 €, Lappia (Kemi-Tornio) 29 058 €, Bothnian Arc Ek För 3 419 €

**Total budget:** 776 893 euro

**Project leader:** Antero Kyröläinen

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## **Project: Intelligent Road**

**Lead partner:** Rovaniemen koulutuskuntayhtymä

**Partners:** Meteorologiska institutet, Luleå Tekniska universitet, Närings-, trafik- och miljöcentralen i Sydöstra Finland, Vaisala Oy, Sunit Oy, Kovalainen Kuljetus Oy, Luleå kommun, Sten Löfving Optical Sensors

### **Background**

Considering fast modern technological development, Nordic enterprises should examine the possibilities offered by the natural surrounding environment. More specifically, demanding climate conditions characteristic for Lapland and Norrbotten (e.g. rapid shifts of the temperatures and the amount of precipitation) imply a growing need to promote traffic security. A number of traffic accidents that have caused death is being registered annually in the Northern Scandinavia. Thus in 2009, according to the Nordic Road and Safety Council, 180 persons died in traffic accidents in Finland and 230 in Sweden. Most of the accidents are being caused by bad road conditions due to the weather. According to the Finnish Traffic Safety and Statistics Office, 35 traffic accidents that caused death occurred on the roads with the maximum speed limit of 80 km/h when the road surface was wet, 10 on snowy and slushy roads and 15 on icy roads. Theoretical calculations show that the number of traffic accidents can be reduced by 60-80 % by offering information on the road surface conditions to those on the road (the source: Swedish Traffic Security Agency).

Currently, the road surface conditions in the Northern Scandinavia are being controlled by weather stations (VViS stations) as well as by weather cameras. In Finland, the Traffic Agency is the body responsible for gathering such information with the help of 500 weather stations and 300 weather cameras. The information collected by the Traffic Agency is open to the public and can be used. However, there is no system in place that would allow transmitting this information to the road users in an efficient and reliable way. First steps aimed at the establishment of such a system have indeed been undertaken in 2006-2008 within the framework of the SRIS project (Slippery Road Information System project), however at that time no user interface was available in order to share this kind of information. Traffic security is a shared concern between the two partner countries, Finland and Sweden. Improved information on road surface conditions can substantially decrease the number of death accidents due to rainy, snowy or icy road conditions which implies that both tourists and local residents would feel safer when on the road.

### **Objective and aim**

The aim of the project is to come up with the concept of a sustainable Intelligent Road System that would offer updated local information as to the road surface conditions for those who are on the road. Such a system should also be easy to promote from a marketing point of view.

Another aim is to support the development of the traffic operating environment in the northern parts of Scandinavia, to improve the traffic safety related to climate conditions and to make the international exchange of experiences between Finland and Sweden more efficient.

The objective is to support the development of business in Northern Scandinavia through testing and improving the available innovative products that aim at ameliorating traffic safety in Nordic climate conditions.

The objective is to create a test-version of the Intelligent Road System that will be subject to further marketing and that would promote the development of the above-mentioned sectors as well as support and generate benefits for the other sectors (e.g. logistics, car manufacturing and car testing).

**Project time:** 2012-01-01—2014-06-30

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 445 019 €

**Public co-financing;** Luleå tekniska universitet 94 000 € Luleå kommun 10 000 €  
Rovaniemis utbildningssamkommun 18 000 € Finska meteorologiska institutet 45 302 €  
Närings-, trafik- och miljöcentralen i Sydöstra Finland 30 000 € KasELY-keskus 20 000 €  
Lapin Liitto 52 412 € Nordkalottrådet 26 966 €

**Total budget:** 806 709 €

**Project leader:** Ari Karjalainen

**E-mail:**

## **Project: Forum for the Industrial Future**

**Lead partner:** Luleå university of technology

**Partners:** University of Oulu

### **Background**

Considering the size of the population and the geographical location, the region's manufacturing industry is relatively strong and consists, in the first place, of small and medium enterprises. Generally speaking, manufacturing industry functions in a traditional way and it is quite difficult to implement changes. Manufacturing can be divided into product development and production where the former often looks for innovative solutions while the latter tries to increase productivity and at the same time avoid risks, e.g. new unknown technologies.

The project will be focusing on welding, namely on laser welding, but the results can be generalised as to be applied to other manufacturing technologies. The introduction of Information and Communication Technologies (ICT) within the manufacturing industry offers new solutions and innovations that can open new valuable opportunities for the enterprises. At the same time, this can create problems in the form of knowledge gaps between the generations. In order to ensure a more long-term change and development, better synergies should be created between the man, technology and administration.

So far, the potential of reconstruction and modernisation of the region's manufacturing industry and its competitiveness have been used quite modestly. There is a need for a cross-sector vision, an Agenda for the industrial future, based on modern manufacturing technologies combined with solutions in the field of ICT. The skewed gender structure within the men-dominated manufacturing industry represents a specific problem for the region. The project would use the region's manufacturing industry as a platform for change. Through both learning from the industry and through working jointly with the industry, it is expected to develop methods for ensuring gender equality within the region's engineering industry.

### **Objective and aim**

In order to achieve the overall objective of establishing an internationally competitive regional manufacturing industry, the project has the following objectives:

- Conduct a number of high-quality seminars enabling the experts to meet representatives of small and medium Swedish and Finnish enterprises. The seminars should result into an "Agenda for the industrial future".
- Conduct a number of welding workshops with a view to instruct and train operators, develop new administrative forms, try various managing systems, create synergies with the other activities that will be implemented within the framework of the "Agenda for the industrial future".
- Implement 20 working programs, one for each enterprise as to try to apply the Agenda with the help of a trained operator. The objective is to improve the economic turnover by 15 % and to reduce the impact on the environment by 15 %.
- Organise an international closing seminar.

The project's vision is to ensure that the region's manufacturing industry can be seen as one of the most advanced in the world when it comes to ICT culture. Based on the advanced high technology, it is possible to develop innovative high quality products that also ensure ecological sustainability. The methods for gender equality are developed as to contribute to breaking the traditional skewed gender structure within the industry. Enterprises are competitive and generate both high revenues and a stable and growing labour market.

**Project time:** 2011-10-01 – 2014-06-30

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 403 801 €

**Public co-financing;** Länsstyrelsen i Norrbottens län 85 392 € Norrbottens forskningsråd 25 000 € Luleå tekniska universitet 65 518 € Lapin Liitto 50 000 € Oulun Yliopisto 43 294 €

**Total budget:** 772 305 €

**Project leader:** Alexander Kaplan

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## **Preliminary study: Borderless business developing**

**Lead partner: Argentis AB**

### **Partner**

Fauna FK

### **Objective and aim**

The purpose with the project is through a feasibility study examine the conditions for a Norwegian/Swedish business developing project in the border region.

### **Project time**

2008-05-16 - 2008-09-30

### **Date for decision**

2008-08-11

### **Grant amount**

10 000 euro

### **Norwegian IR-funding**

8 334 euro

### **Public co-financing**

Nordkalottrådet 6 667 euro, Fauna KF 8 333 euro.

### **Total budget**

33 334 euro

### **Project leader**

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## **Preliminary study: Region Arctica**

**Lead partner: Enontekiön Kehitys Oy**

### **Partners**

Municipality of Kiruna, department for business and development  
Troms Reiseliv AS

### **Objective and aim**

Objective and direction of the project is to increase tourism industry in the region by creating a profitable co-operation within trade and industry in the region. The aim with the feasibility study is to prepare a main application where there is a detailed and concrete activity plan in order to secure the projects measures.

### **Project time**

2008-07-15 - 2008-10-31

### **Date for decision**

2008-09-10

### **Grant amount**

9 918 euro

### **Norwegian IR-funding**

6 250 euro

**Public co-financing:** Kiruna kommun 1 020 euro, Enontekiön kehitys oy 5 592 euro, Troms Reiseliv 3 925 euro.

### **Total budget**

26 705 euro

### **Project leader**

Irene Cecille Jensen

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## **Preliminary study: A variety of the Euro arctic region - from Kemi to Tromsö**

**Lead partner: Municipality of Överkalix**

### **Partners**

Kemin Matkailu Oy  
Municipality of Kalix  
Vinn

### **Objective and aim**

The objective is that the project together with municipalities and tourist organizations along the road from Kemi to Tromsö will make places to visit visible and also structure choices. It will be done within the sphere of tourist and experience industry. The projects aim is to investigate and put possibilities together for a major cooperation effort between companies involved in tourism.

### **Project time**

2008-08-01 - 2009-01-15

### **Date for decision**

2008-10-20

### **Grant amount**

10 000 euro

**Public co-financing:** Nordkalottrådet 4000 euro, Överkalix kommun 500 euro, Kalix kommun 400 euro, Kemin matkailu oy 1 900 euro

### **Total budget**

23 800 euro

### **Project leader**

Leif Nilsson

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## **Preliminary study: Kluto – Cluster methods in Torne Valley**

**Lead partner: Kemi Tornio University of Applied Sciences**

### **Partner**

Municipality of Pajala

### **Background**

Trade and industry around the Torne River consist of many different branches and especially many small companies within different branches. Those companies can be proportionately geographical spread from each other. In order to increase ability to compete within those small and medium sized companies in the national and international market can it be an advantage to cooperate in different cluster.

### **Objective and aim**

The aim is to prepare a main application about developing different cross border company network and cluster along the Torne River. The objective in the preliminary study is to make a survey of present cluster, anchor the project idea and create opportunities for the main application.

### **Project time**

2009-02-09 – 2009-07-09

### **Date for decision**

2009-03-09

### **Grant amount**

10 000 euro

**Public co-financing:** Kemi-Tornion ammattikorkeakoulu 6 667 euro

### **Total budget**

16 667 euro

### **Project leader**

Jukka Lauri

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## **Preliminary study: Success factors for Female Entrepreneurship**

**Lead partner: Priorum Affärsutveckling**

### **Partners**

Coompanion Norrbotten  
Rovaniemi Regional Development Agency Ltd

### **Background**

Priorum Affärsutveckling has been commissioned by the Swedish Agency for Economic and Regional Growth to act as a Regional Resource Centre for Women in Norrbotten. The Regional Resource Centre in Norrbotten aim to ensure women's inclusion and participation on equal terms in growth and development regionally.

### **Objective and aim**

The objective with the feasibility study is to find collaboration partners to make an application for a main Interreg project. This feasibility study will be carried out together with the northern part of Finland and the northern part of Sweden because there you can find both similarities and differences among attitudes towards female entrepreneurship. Also there is a need to find co-financiers for the main project.

The goal with the main application is to find success factors for female entrepreneurship in both Finland and Sweden within the Interreg area. Through exchange between the two countries the project wants to find success concepts on how to stimulate the business world for women.

### **Project time**

2009-12-01 - 2010-04-30

### **Date for decision**

2010-01-04

### **Grant amount**

7 200 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 3 000 euro, Rovaniemi Regional development agency Ltd 1 800 euro

### **Total budget**

12 000 euro

### **Project leader**

Pia Ramirez Måård

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## **Preliminary study: North practice**

**Lead partner:** The Norden Association

### **Partner**

Kemi Tornio University of Applied Sciences

### **Background**

Schools and other institutions that offer vocational training needs to adapt to the new market, the Arctic and Europe. More companies in the region need to seize the business opportunities in the near abroad market. North placements provide students with post-secondary vocational an opportunity to take part in an international education with experience abroad to develop their skills and knowledge of all Arctic. At the same time provided the participating companies the opportunity to know a new market. By students and host companies are developing a joint cooperation is the basis for continuing cooperation.

### **Objective and aim**

The pilot study aims to investigate conditions and to do a needs analysis to implementation of a main application with the North Internship as project idea. The goal of the North Practice is to develop methods to stimulate entrepreneurship and mobility internationally, primarily in the Arctic, the labor force is examined from the post-secondary vocational education.

### **Project time**

2010-06-01 - 2010-11-30

### **Date for decision**

2010-07-01

### **Grant amount**

5 000 euro

**Public co-financing:** Nordkalotträdet 4 700 euro, Föreningen Norden Norrbotten 200 euro, Kemi-Tornio ammattikorkeakoulu 100 euro.

### **Total budget**

10 000 euro

**Project leader** Marit Lamberg, +46 920 22 56 61, nordenbd.marit@telia.com

## **Preliminary study: North Calotte network - Sustainable Tourism Development**

**Lead partner:** Adult Education Association Region of Norrbotten

**Partners;** Municipality of Kittilä, Svefi Academy, Kalix Academy

### **Background**

The food in North Calotte have many common elements that characterize our region. The food in the Arctic has been given a special status, and counts as a complement to our tourism and adventure industry. Within food development in North Calotte, there is still great potential for development. For a year has Adult Education Association worked nationally with the concept of "slow food" as, inter alia, initiated a collaboration with companies and organizations in Finnish Lapland and Northern Norway. The interest on their part to increase cooperation in all three countries is very large. Already about a year ago when the project started requests came up from companies in Norrbotten, Levi and Lofoten to meet and discuss how to cooperate on important issues relating to food and tourism industry. The companies have had so far common meetings in Kiruna, Luleå and Honningsvaer.

### **Objective and aim**

The aim of the study is to develop an application for an Interreg project by making contact with potential partners. The aim is also to discuss the project design and content with other stakeholders such as the Universities of Tromsø, Luleå and Rovaniemi. The content, arrangement and structure will also be constructed together with companies that are the primary target.

**Project time** 2010-01-25 - 2010-06-30

**Date for decision** 2010-06-30

**Grant amount** 10 000 euro

**Public co-financing:** Studieförbundet vuxenskolan 3 017 euro, Kalix folkhögskola 821 euro, Sverigefinska folkhögskolan 308 euro, Jokkmokks kommun 872 euro, Kittilä kommun 1 708 euro

**Total budget** 16 726 euro

**Project leader** Inga-Lis Samuelsson, +46 923 666 16, inga-lis.samuelsson@sv.se

## **Preliminary study: North Business Accelerator**

**Lead partner:** CONNECT North Service Ltd

### **Partner**

CONNECT North Norway

### **Background**

From the model Analyze-Fix-Growing shall CONNECT North in close collaboration with CONNECT North Norway develop businesses so they achieve their growth targets through customized action plans. North Business Accelerator - NFA - is the process for growth firm support to better manage growth phase. This is done through cross-border transfer of skills between growth and competence resources.

### **Objective and aim**

The purpose of this study is to develop the product idea and develop a main application to the Interreg IVA North Programme. The main application aims to develop companies so that they reach their growth targets through customized action plans.

### **Project time**

2010-03-12 - 2010-07-31

### **Date for decision**

2010-05-27

### **Grant amount**

2 502 euro

### **Norwegian IR-funding**

9 736 euro

**Public co-financing:** Norrbottens läns landsting 2 483 euro

### **Total budget**

24 456 euro

### **Project leader**

Anders Gothefors

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## **Preliminary study: Preserving the heritage of military history**

**Lead partner:** Swedish Military Heritage, Foundation Kalix Line Museum

### **Partner**

The National Norwegian Aviation Museum

### **Background**

All museums are dependent on the visit proceeds. An active tourism industry is thus a prerequisite for the museum's survival because they are located to the real countryside.

### **Objective and aim**

The project aims to investigate if there is an interest among a number of Swedish and Norwegian museums of setting up a network for shared visibility and promotion of the military's historical heritage found in northern Sweden and northern Norway. The feasibility study will also examine if there is interest on the Finnish side to join the network.

The aim of the study is to create conditions for establishing and implementing a common main application with partners from Sweden and Norway. It is hoped that even finding an organization in Finland as a partner for the main project.

### **Project time**

2010-12-01—2011-04-30

### **Date for decision**

2011-01-31

### **Grant amount ERDF**

10 000 euro

**Public co-financing:** Bodens kommun 2 150 euro, SMHA 6 050 euro

### **Total budget**

18 200 euro

### **Project leader**

Ritva Lind

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## **Preliminary study: Potential development and demonstration of new technologies in the field of environment-friendly small-scale hydropower plants**

**Lead partner:** Centek AB

**Partner** Bedriftskompetense AS

### **Background**

As a general rule, the currently existing small-scale hydropower plants do not take into consideration natural fish migration. The subject of small-scale hydropower plants has been identified as an interesting development area within the framework of the Interreg project Energy in Cold Climate (CoE). Experience obtained through the above mentioned project has shown so far that the environmental issues and especially the possibilities for fish migration next to hydropower plants both upstream and downstream are of an utmost importance. This is further confirmed by the Water Managing Authority of the County Administrative Board that points out that a considerable number of the country's more than 1000 small-scale hydropower plants are lacking fish passages. During a workshop organised as a follow up of the Interreg project Northern Energy (NoE), this area has been identified as important and has been chosen for further examination within the framework of a new project called Potential – development and demonstration of newly developed technologies in the field of environment-friendly small-scale hydropower plants.

### **Objective and aim**

The main objective of the project is to explore the possibilities of developing technologies for small-scale hydropower plants in the North Calotte area that would be environment-friendly, in line with the existing legislation and that would not impede natural fish migration. The technology will first and foremost be used for renovation of the existing hydropower plants to bring them in line with the existing ecological requirements, as well as for rebuilding of spillways in the existing dams that are lacking fish tunnels and do not produce energy.

**Project time** 2011-05-01 - 2011-12-31

**Date for decision** 2011-06-09

**Grant amount ERDF** 10 000 euro

**Public co-financing:** Norrbottens läns landsting 6 700 euro, Nordland fylkeskommune 4 375 euro, Troms fylkeskommune 4 375 euro, Finnmark fylkeskommune 4 375 euro

### **Total budget**

39 825 euro

**Project leader** Conny Hökfors, **E-mail** [conny.hokfors@centek.se](mailto:conny.hokfors@centek.se)

## **2. Research, development and education**

**Goal:** The region's research and education institutes shall by 2013 have built up joint research and education environments which strengthen the region's competitiveness in areas of strategic development and which actively participate in European research and education environments.

### **Interim objective 1**

*The region's educational institutes improve cooperation in areas of strategic development.*

### **Interim objective 2**

*The region's research institutes develop joint research environments within the scope of economy-strengthening research and innovations.*

### **Interim objective 3**

*The region's economy, official actors and research/education institutes increase the base knowledge of the mechanisms behind entrepreneurship, innovations and successful innovation environments.*

**Target group:** Universities, colleges and research institutes, as well as the public sector, high schools and vocational colleges.

**Budget ERDF: 9 241 454 €**

**Granted amount: 9 290 546 €(100,5%)**

**Returned: 11 844 €**

**Remaining: -37 248 (-0,4%)**

The following projects have been approved within prioritized area 2

Project	Granted amount
<b>Interim objective 1;</b> <i>The region's educational institutes improve cooperation in areas of strategic development.</i>	
Nordic mining school	596 000
Preliminary study: Meän koulu	10 000
Meän koulu	326 928
Vir Music	477 883
Preliminary study: Multimodal Communication...	10 000
IEEB	10 000
Increasing energy efficiency in buildings, IEEB	619 669
North practice	36 450
<b>Total:</b>	<b>2 086 930</b>
<b>Part of total budget:</b>	<b>23%</b>
<b>Interim objective 2;</b> <i>The region's research institutes develop joint research environments within the scope of economy-strengthening research and innovations.</i>	
HighBio	900 000
Innovative services in the sphere of e-maintenance...	330 000
DIM	375 914
II City V2	600 000
VSP	499 110
Meet Play and Learn	51 720
NAKOMATE	462 573
Harsh weather testing network	312 386
FATLASE	189 370
PROLAS	469 323
HighBio 2	720 240
NIMO	702 000
MEDIA	484 844
Meet Play and Learn 2	39 715
<b>Total:</b>	<b>6 137 195</b>
<b>Part of total budget:</b>	<b>66%</b>
<b>Interim objective 3;</b> <i>The region's economy, official actors and research/education institutes increase the base knowledge of the mechanisms behind entrepreneurship, innovations and successful innovation environments.</i>	
Border crossing entrepreneurship	207 879
InnoPreneurship	228 000
Preliminary study: Measuring the effects of.. -Mäta jämt 1	9 885
Mäta Jämt 2	429 946
InnoPreneurship 21	190 711
<b>Total:</b>	<b>1 066 421</b>
<b>Part of total budget:</b>	<b>12%</b>
<b>Budget ERDF €</b>	<b>9 241 454</b>
<b>Granted amount €</b>	<b>9 290 546</b>
<b>Granted amount %</b>	<b>101%</b>

## **Descriptions of projects and preliminary studies granted in priority 2**

### **Project: Nordic Mining School**

**Lead partner: Luleå University of Technology**

**Partner: Oulu University**

#### **Background**

The region has very good possibilities to create different research cluster and network within high technological mineralogy. Oulu University together with Luleå Technical University has life cycles of knowledge in mining industries and together they are competitive from an international perspective.

In order to increase the level in mineral and mining research has Luleå Technical University and Oulu University intention to start knowledge wise a strong and leading platform with focus on following areas:

- Strengthen effectiveness and quality in education and research
- Stimulate contacts in order to make cross border moving easier
- To have an developing role in mineral and mining and its present and future companies
- Form a collected cross border and attractive education environment
- Become an attractive research partner from an international perspective

#### **Objective and aim**

Through a strong co-operation between the universities form a collected cross border and attractive education and research environment within metallurgy and mining. It will contribute to increased attractions and competitiveness in the North Calotte area.

**Project time:** 2008-07-01 - 2011-06-30

**Date for decision:** 2008-06-12

**Grant amount:** 596 000 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 101 477 euro, Luleå tekniska universitet 146 587 euro, Lapin Liitto 150 000 euro.

**Total budget:** 994 587 euro

**Project leader:** Pär Weihed

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## **Project: Border crossing entrepreneurship**

**Lead partner: Municipality of Arjeplog**

**Partners;** Municipality of Arvidsjaur, Argentis AB, PKK Indre Salten, Municipality of Saltdal , Municipality of Beiarn, Municipality of Sörfold, Municipality of Steigen, Municipality of Fauske, Young entrepreneurship in Nordland , Företagarna Young entrepreneurship in Norrbotten , Bodö University College, Luleå University of Technology

### **Background**

Small societies in rural areas need developing in order to get our children to stay and see the opportunities in their own municipality. To teach our youngsters to see cross the border as one more possibility to develop instead of going to major cities in their own country is important.

The project “Border crossing” has been going for nine months and its already obvious effects of it. The project has more pupils and teachers taking part and methods containing a great deal can be forwarded. The project has increased from 6 to 36 schools that want to be a part of the border crossing cooperation between schools in Nordland and Norrbotten. Besides the fellow-applicant there are six more participants in the project.

### **Objective and aim**

Through a well functioned cooperation and involvement between trade and industry and the school the project aim to strengthen the border crossing approach where schools and trade can complete each others. Through the entrepreneur way of looking in school the project will be a foundation stone for a wealthy cross border trade and industry in the future.

**Project time:** 2008-04-01 - 2010-12-31

**Date for decision:** 2008-06-12

**Grant amount:** 207 879 euro

Norwegian IR-funding: 254 031 euro

**Public co-financing:** Arjeplog kommun 46 195 euro, Arvidsjaur kommun 46 195 euro, Länsstyrelsen i Norrbottens län 46 195 euro, Nordland fylkeskommune 89 662 euro, Fauske kommune 59 782 euro, Sörfold kommune 29 890 euro, Saltdal kommune 29 890 euro, Steigen kommune 23 912 euro, Beiarn kommune 20 651 euro

**Total budget:** 854 282 euro

**Project leader:** Tone Karlberg

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## **Project: InnoPreneurship**

**Lead partner: Kemi-Tornio University of Applied Sciences**

**Partners;** Luleå University of Technology, Bodö University College

### **Background**

Developing the northern regions of Sweden, Norway and Finland is dependent of new innovations and specific new enterprise in form of establishing new companies. Traditional has creative of new enterprises not direct been linked to universities. They have rather the task to support major companies with competent labour force. In recent years has the university get a bigger role for increased enterprising spirit in the form of that students choose to start companies after graduation. It is still relatively few students that choose enterprise as a profession compared to other groups. In spite of the fact that enterprising spirit (entrepreneurship) is among most universities courses offered is there still much to be done. We know how important enterprising spirit is for society but we don't know as much when it comes to train to create it. In the latest report concerning Global Entrepreneurship Monitor (GEM) there are obvious indications that the parameter TEA (total entrepreneurial activity) still is low in Finland and Sweden while Norway is an exception among Nordic countries with relatively high level of new enterprises. Therefore we intend to develop the cross border competence in education skills in enterprising spirit in the northern part of the Nordic countries.

### **Objective and aim**

The project will build competence among teachers in universities to educate entrepreneurial pedagogy within university fields but with the emphasis on technique, business developing and teacher education. The aim of the project is as follow:

1. By analyzing present condition of things in education round entrepreneurship within partner universities we will be able to exchange knowledge and experience and renew methods, content and pedagogic.
2. Create an overall view on education linked to entrepreneurship in the Nordic.
3. Facilitate for fully certificated students to set up new companies as well as develop already existing in our region.
4. Produce scientific research in the sphere of entrepreneurship linked to education.

**Project time:** 2008-08-01 - 2010-09-30

**Date for decision:** 2008-06-12

**Grant amount:** 228 000 euro

**Norwegian IR-funding:** 83 580 euro

**Public co-financing:** Luleå kommun 21 500 euro, Luleå tekniska universitet 10 000 euro, Länsstyrelsen i Norrbottens län 53 700 euro, Lapin Liitto 25 820 euro, Kemin Digipolis Oy 20 490 euro, Kemi-Tornio ammattikorkeakoulu 20 490 euro, Handelshögskolan i Bodö 21 080 euro, Nordlands fylkeskommune 62 500 euro.

**Total budget:** 547 160 euro

**Project leader:** Seppo Saari, +358 40 543 02 49, Seppo.Saari@tokem.fi

## **Project: Highbio**

**Lead partner: University of Jyväskylä, Chydenius Institute – Kokkola University Consortium**

### **Partners**

Oulu University, Luleå University of Technology, Energy Technology Centre

### **Background**

This region has a major unutilized potential for development increasing in heating as well as electricity and fuel production by using near by produced raw material from forest. Processing can be done through small and medium sized thermal unit, CHP, in population centre in rural areas as well as medium and larger sized fuel production construction. In order to develop CHP and fuel production constructions it demands more research. One important part in that research is how to develop gasification of biomass/biofuel in a rational and profitable way. There are a number of special advantages in the project area that that makes conditions good for developing and increasing the number of local CHP units and regional fuel production construction. One of the reasons to why a local bio energy refinement advanced slowly compared to the large-scale is for instance there are a lack of knowledge about technical equipment and their function for establishing smaller CHP constructions in order to ennoble biomass through gasification.

### **Objective and aim**

The project aim at develop alternative for a high refinement of bio energy for local using of raw material through processing. Processing can partly be done through local entrepreneurs and energy cooperative that can develop and apply experiences from the project. In the project will different refinement processes and types of purification technique and can be followed and evaluate through techno economic analysis. To contribute to developing of methods and technique for handling bio energy and refinement through gasification. Methods and technique for refinement and using of bio energy will be done in an environmental friendly way. By more knowledge you can improve conditions for creating new and increase local activities for refinement and using of bio energy raw material in the projects field of activities

**Project time:** 2008-07-01 - 2011-06-30

**Date for decision:** 2008-06-12

**Grant amount:** 900 000 euro

**Total budget:** 1 597 588 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 84 960 euro, Norrbottens läns landsting 87 200 euro, ETC 46 623 euro, LTU 71 521 euro, Norrbottens forskningsråd 29 416 euro, Lapin Liitto 344 168 euro

**Project leader:** Bodil Wikman, +358 6 8294 239, bodil.wikman@chydenius.fi

## **Project: Meän koulu**

**Lead partner: Lapland Vocational College**

**Partner; The Lappia Vocational College**

### **Background**

In northern part of Sweden there are large-scale investments in mining and basic industries, within LKAB as well Boliden, Vattenfall and Northland Resources. Those investments together with a major alternation of generations as well as increased demands of knowledge make maintenance of labour force and competence extremely important for the region in the future. In Finland more than ever far-reaching plans for mining and some of these plans are comprehensive even compared in an international point of view. A major need for labour will arise by different reasons: major pensioning, new staff is needed for new investments as well as it lack of competent labour even in other countries and that there are a certain emigration from Finland. The need for competent labour is not only with mining and basic industries. It is just as big within the small- and medium sized companies that functions as subcontractor to those industries. This training will not be enough for the major expected need for recruiting. Companies in mining an basic industry will be forced to recruit labour that have there basic education in other field of activities and they probably will look for labour national as well as international in order to fill the need for labour that is expected. It means major in-service training work will be needed for the future in the region.

### **Objective and aim**

The purpose is to develop training efforts within basic-, higher as well as management training for mining, basic industry and subcontractors need. The purpose is also to increase labour cross border mobility, to develop attractive place of work by increasing knowledge in strategic competence maintenance, a great variety of cultural and personal developing among companies. The aim is that mining industry, basic industry and the small and medium sized companies in northern Sweden and Finland has access to basic education in mining industry for newly employed labour, top education for already employed with need that education in mining industry and basic industry and management training for already employed works manager with need for in-service courses in mining and basic industry. The objective is also that the companies concerned has developed network that facilitate cooperation in strategic competence support and increasing competence in variety of cultural.

**Project time:** 2009-01-01 – 2011-02-28

**Date for decision:** 2009-01-29

**Grant amount:** 326 928 euro

**Public co-financing:** Gällivare kommun 2 500 euro, Kiruna kommun 2 500 euro, Pajala kommun 2 500 euro, LTU 1 200 euro, Umeå universitet 1 200 euro, Länsstyrelsen i Norrbottens län 67 624 euro, Norrbottens läns landsting 44 228 euro, Lapplands kommunalförbund 1 200 euro, Lapin Liitto 85 000 euro, Lappia 10 000 euro

**Total budget:** 549 680 euro

**Project leader:** Monica Lundkvist Renström, +46 97117367 [monica.lundkvist@jokkmokk.se](mailto:monica.lundkvist@jokkmokk.se)

## **Project: Innovative services in the sphere of e-maintenance for industry and small/medium sized companies**

**Lead partner: Luleå University of Technology**

### **Partners**

Kemi-Tornio University of Applied Sciences

### **Background**

Apparently maintaining is changing and looks as an opportunity to prolong value of future but also already made investments. If one study only industry works in Kemi-Tornio area there are 1 500 labour occupied in maintains direct or through maintains companies as Botnia Mill Service and Fortek.

The total amount of people that come into contact with maintains services are over 2 000. Besides that there are approximate 40 small and medium sized companies that develop maintain services which indicate that the need for developing work is significant.

### **Aim**

The purpose of the project is

- to develop and establish innovative services in the sphere of e-maintenance for increasing productivity and accessibility in technical system as well as reducing cost for maintains.
- research, develop and suggest a model for a platform for maintains services with focus on operation and maintains processing.
- develop a network for work in coming European Programme

### **Objective**

Objective of this project is to contribute to the improvement of the regions competitiveness by:

- Create a platform e-maintenance that can be used by basic industries and small and medium sized companies.
- Create a model for innovative services in e-maintenance in order to improve productivity and accessibility for technical systems as well as reducing costs for maintains services.
- Create possibilities for participating in future European Programmes.

**Project time:** 2009-01-01 – 2011-07-30

**Date for decision:** 2009-01-29

**Grant amount:** 330 000 euro

**Total budget:** 568 00 euro

**Public co-financing:** LTU 59 295 euro, Länsstyrelsen i Norrbottens län 59 295 euro, Lapin Liitto 50 705 euro, Kemi-Tornio ammattikorkeakoulu 25 352 euro, DIGipolis 25 353 euro

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## **Project: Vir Music**

**Lead partner: Kemi-Tornio University of Applied Sciences**

### **Partners**

Tromsö College

Särestö chamber music association

Oulu University of Applied Sciences

### **Background**

Possibilities for studying the upper forms are limited in many regions because of distance and decreasing population. Travelling to the study centre is expensive and time wasting. High-class music teaching for some instruments is almost non-existent in rural areas. School of music's are interested to offer high-class music teaching in compulsory school and at senior level in regions where access to that kind of education is limited by geographical reasons. It is important that pedagogical and technical experts together can solve problems with music education in those cases.

Music institutions in North Calotte area has during the previous programme period investigate the situation for virtual music teaching in the region. One can verify that none of the institutions concerned uses virtual music education in an all-round and extensive way. Certainly there are good attempts and example on virtual music education for instance at Oulu regions Polytechnic school, Lapland Music Institute and Särestö Academy. One general lack on wide and all-round virtual music education in the North Calotte has created the need for this project.

Needs for virtual music education arise most by geographical reasons as consequence of long distance. Begin using new technology in music education is still in the beginning and making use of it is imperfect. There are hardly any instrumental pedagogue that control virtual pedagogic and research for instrumental education in this moment.

### **Aim**

Vir Music will bring about an active national and international network for virtual education in music and permanent the using of virtual instrumental pedagogic in education. The project also aim at further education for working instrumental pedagogue, research in virtual pedagogic for instrumental education as well as interdisciplinary developing of technology in virtual education and applied use.

### **Objective**

Purposes are that virtual music education is a daily part of education in the contributory music institutions by

- the contributory institutions, in cooperation, bring about virtual education in music at all levels, from beginners to a master degree
- virtual music pedagogic, both methods and technique, develop and integrates in instrumental pedagogic education
- possibilities to use virtual education in music will be tried out and research about solving problems in sound and picture develops
- existing web solutions that can save and distribute education material is ready to be used

**Project time:** 2009-02-01 – 2011-01-31

**Date for decision:** 2009-01-29

**Grant amount:** 477 883 euro

**Norwegian IR-funding:** 60 546 euro

**Public co-financing;** LTU 107 834 euro, Lapin Liitto 148 158 euro, Kemi-Tornio ammattikorkeakoulu 6 289 euro, Oulun seudun ammattikorkeakoulu 29 747 euro

**Total budget:** 917 563 euro

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## **Project: II City v2**

**Lead partner: The Interactive Institute II AB**

### **Partners**

University of Oulu-Intelligent Systems Group  
University of Lapland

### **Background**

Context-aware and pervasive applications have a great potential to improve the city dwelling citizen's quality of life. However, much of this potential remains visionary and only basic context-aware and pervasive functionalities have been introduced in commercial products so far. To fully realize the potential of these exciting new techniques, development work is required in many research areas, including embedded systems, signal processing, software architectures, and human-machine interaction. While many of these topics are being studied by a number of research groups, the proposed solutions under development require considerable efforts and time before they can be realized or even eventually commercialized.

We have recognized an opportunity to develop, within realistic and reasonable parameters, novel context-aware and pervasive applications that fulfil real needs and can be commercialized once the prototypes and research stages of the project have been completed. This opportunity is based on improving the human-machine interaction with a physical user interface and advanced usage of the audition modality. The success of this is based firmly on the unique skills and areas of knowledge represented in the cross-regional resources involved in this project; on the combination of music, media and game design knowledge in Piteå and its surrounding areas, combined with the Oulu area's competence and experience in mobile applications, robotics and associated technologies.

This project represents a unique and practical opportunity for building new alliances and bridges between the relevant regions. As well as the immediate connections created through the research project, a number of satellite activities are planned. These include interregional seminars and workshops with companies and other interested parties. In addition to identifying potential parties for commercializing the research results, these seminars and workshops facilitate recognizing possibilities for co-operation between companies in the northern regions of Sweden and Finland. To support the development of such co-operation, we have started discussion with the representatives of Multipolis network; about the role that Multipolis could have to support the co-operation once such possibility has been recognized.

### **Aim**

The purpose of this project is to:

- Through applied research generate new knowledge that enables novel applications that utilize audio modality and physical user interfaces
- Test, verify and utilize the new knowledge by developing innovative application prototypes. After the end of this project, these early prototypes can be used as starting points for development of new, commercial applications in existing or newly formed companies. In this way the research project will live beyond the project period by generating new job opportunities within the region.
- Increase the total knowledge base of the region and contribute to the region's growing status and to Europe

- Create better opportunities for interregional dialog and co-operation between individuals, research groups and companies

### **Objective**

The goal of this project is to:

- Study audio modality and physical user interfaces in context-aware and pervasive applications
- Through active prototyping perform research and verify and utilize research results
- Create technically based opportunities for new companies and product development
- Empower and help individuals through new technology, both in special needs groups and in main stream applications
- Attract young people to come to/stay in the region by creating interesting job opportunities

**Project time:** 2008-11-01 – 2011-10-31

**Date for decision:** 2009-01-29

**Grant amount:** 600 000 euro

**Public co-financing:** Interactive institute 114 000 euro, Länsstyrelsen i Norrbottens län 106 000 euro, Lapin Liitto 180 000 euro

**Total budget:** 1 000 000 euro

**Project leader:** Katarina Delsing

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## **Project: VSP – Vision System research Platform**

**Lead partner: Kemi Tornio University of Applied Sciences**

**Partner: Luleå University of Technology**

### **Background**

VSP – Vision System Platform offer advantages for all participating partners. For basic industry are there solutions for specific process problems and by that more reliable and effective processes. For companies in information and communication is it a market for new products aim at basic industry. For academy there will be an increased knowledge which creates possibilities for paper and theses. By stimulating cooperation between basic industries, universities and technical companies in the region active in optic sphere possibilities for a long term functional network arise between the actors.

When it comes to the technical area of optic it is on its way to develop rapidly because of the development of technology. From research point of view is the project just in time since earlier cooperation has form a basis for deeper cooperation.

A fundamental condition for realization of the project is that there are a lack of solutions in the market and a commercial base for actors to on their own run this type of research and demonstration. Costs and risks are too high. The research platform gives asset to competence and technical development which reduce risk and make technique more commercial practicable. Through demonstration activities can users see that technique functions, suppliers companies get a good starting point for a commercial develop project at the same time as research at universities strengthen.

### **Aim and objective**

Aim is to develop competence in optical technique further. The purpose is to

1. Develop a well functioned cross border network in the sphere of optic between universities, basic industry and information and communication industry.
2. Create a common platform for research.
3. Create possibilities for solving industrial measure technical problem.
4. Stimulate developing of new products and services for information and communication companies.
5. New business opportunities in information and communication on the global market.
6. Cross border triple helix cooperation in the region.
7. Expand network international foremost by taking part in FP7.

**Project time:** 2009-01-01 – 2011-12-21

**Date for decision:** 2009-01-29

**Grant amount:** 499 110 euro

**Total budget:** 832 110 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 105 000 euro, Lapin Liitto 83 250 euro, Kemin Digipolis Oy 41 625 euro, Kemi-Tornio ammattikorkeakoulu 41 625 euro

**Project leader:** Seppo Saari, +358 40 5430249, **E-mail:** seppo.saari@tokem.fi

## **Project: Digital Integrated Manufacturing (DIM)**

**Lead partner: Central Ostrobothnia Polytechnic/CENTRIA research and development**

**Partners:** Luleå University of Technology, Narvik College

### **Background**

Characteristic for the manufacturing industry in Nordic is the constantly growing international competition. Company's competition advantages can not anymore be based on cheap labour. In order to compete with countries with low salary our companies has to focus on work where

- Size of series are small and piece size is big
- Logistic costs are noticeable
- Salary share of product prize is low
- Costumer/product variation is large
- Delivery time is short
- Customer adjustment can arise after ordering the product
- Work is technical and/or competence exacting
- Assembly and testing is part of the work

The more of the above mentioned criteria that companies' activity fulfils it is more probably that the company is competitive in the future. With help of flexible production solutions one strive to satisfy customer demand rapidly and cost effective. This is possible only by effective use of information technology and automation.

### **Aim**

The purpose of this project is to increase competence in labour in the small and medium sized companies and strengthen their competitiveness as well as building common innovations and education environment that can offer trade industry in the area and other actors competence in product and production development.

### **Objective**

The project will increase global competitiveness among small and medium sized manufacturing companies by using information technology within the whole chain beginning from marketing/selling, product planning/design to manufacturing.

**Project time:** 2009-01-01 – 2010-12-31

**Date for decision:** 2009-01-29

**Grant amount:** 375 914 euro

**Norwegian IR-funding;** 152 931 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 50 021 euro, LTU 50 021 euro, Lapin Liitto 150 566 euro, Finnmark fylke 152 931 euro

**Total budget:** 944 384 euro

**Project leader:** Lasse Jansson

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## **Project: Meet, Play and Learn - social game based learning tool for children with diabetes - phase 1**

**Functional lead partner:** Northern research institute Tromsö

### **Partners**

Luleå University of Technology  
Rovaniemi University of Applied Sciences  
Norwegian Centre for Telemedicine  
Nordland Hospital

### **Background**

The long distances in the north make digital social networks even more important than in the south. Both Norut Tromsö and the department of Technical University in Skellefteå (LTU) are doing research on themes related to game-based learning and social networks and the Rovaniemi University of Applied Sciences (RAMK) is working with large-scale visualizations and real time graphics. The National Centre for telemedicine in Tromsö has long experience in e-learning in HC. A cooperation between all would strengthen the research in this area.

The RAMK, the LTU and the University college of Bodö are excelling in diabetes education, but due to a small population of children with diabetes 1 in each country a co-operation would benefit the whole region both in research and education.

Increasingly more children and young are diagnosed with diabetes 1. Both those suffering from the disease and those around them need knowledge about different symptoms and how to react to them. This applies to friends and their parents, classmates etc. The children with the diagnose want to be seen as normal between their peers but still feel the need to discuss and be social with others in the same situation. The group of children with the diagnoses is so small that it can be difficult to find others in their own age group nearby in the sparsely populated region of the north.

### **Objective and aim**

The purpose is to find requirements for a social game based learning tool for children with a specific diagnose and a co-operation between research institutes and nursing educations in the three countries, as well as to identify possible products and services in cooperation with SMF.

The first phase will mainly consist of surveys and collecting requirements for the social game based learning tool.

The two research teams: children with diabetes and serious games for children, have got more experience with how their multidisciplinary research is done in other countries in the region, and they have developed more knowledge about how their research field can solve the needs of children in sparsely populated regions in the north.

The long term vision for the innovative social game based learning tool is that it can be used both to be social and to learn in a fun way for any chronic disease in a sparsely populated

region. Diabetes and other chronic diseases would be just children's specific characteristic not a life disturbing illness. The tool shall be researchable anytime and anyplace. The short term aim for this first phase is that all requirements for the tool are collected and analyzed and an innovative requirements specification is written.

**Project time:** 2009-06-15 – 2010-02-10

**Date for decision:** 2009-05-28

**Grant amount:** 51 720 euro

**Norwegian IR-funding:** 64 687 euro

**Public co-financing:** LTU 6 401 euro, Nordkalotträdet 24 300 euro, Lapin Liitto 12 564 euro, Rovaniemi ammattikorkeakoulu 4 716 euro, Troms fylkeskommun 35 187 euro, Nordland fylkeskommun 6 000 euro, NST 5 000 euro, Nordland sykehuset 5 000 euro

**Total budget:** 215 575 euro

**Project leader:** Ellen Brox

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**Economic EU responsible:** Kerttu Oikarinen, **e-mail** Kerttu.Oikarinen@ramk.fi

## **Project: Increasing Energy Efficiency in Buildings (IEEB)**

**Lead partner: Oulu University of Applied Sciences**

**Partners:** Luleå University of Technology, Umeå University, City of Oulu, Building Supervision Office, NORUT Narvik, Betong & Entreprenörssenteret, Norcem AS, PRT, NCC Rakennus Oy, SRV Kiiteistöt Oy, Lappli Talot Oy, Kastelli Talot Oy, Kannustalo Oy, Kontiotuote Oy, Puutuomela Oy

### **Background**

The incentive for saving energy is becoming more pressing and valuable at a time when oil sources are drying up and renewable energy sources are more and more taken into use. The European Union has set guidelines for energy saving in their directive Energy Performance of Buildings.

The IEEB (Increasing Energy Efficiency in Buildings) -project will work with technological development and transfer energy knowledge to the construction industry.

### **Objective and aim**

The project Increasing Energy Efficiency in Buildings (IEEB) has the following objectives:

1. Technological development of low-energy solutions in housing
2. Transfer of knowledge about energy solutions to the construction industry and the society
3. Measurement techniques to decrease energy consumption in both new and existing buildings
4. Measuring the energy consumption in existing buildings through the energy signature
5. Contribute in equalising standards and technical solutions for energy efficiency, thus leading to better prerequisites for international trade

The IEEB project has several goals:

1. Build up a Nordic network for promoting energy efficiency of buildings.
2. Develop new competence, know-how and expertise in measuring energy loss to advance design of passive level houses.
3. One goal is to develop a method to characterise and predict the precision in energy performance. New solutions can then be proposed that decreases the variation in energy performance for the existing building stock.
4. Pick up best practises and recommendations, based on measurements and real-life information about energy consumption both for prefabricated private houses and public buildings.
5. Transfer this knowledge to building professionals, such as developers and designers of new buildings, but also building inspection authorities in the municipalities.

**Project time:** 2010-08-01 - 2013-07-31

**Date for decision:** 2010-04-22

**Grant amount:** 619 669 euro

Norwegian IR-funding: 227 373 euro

**Public co-financing;** LTU 95 011 euro, Umeå universitet 82 560 euro, OUAS 58 868 euro, Lapin Liitto 176 606 euro, Forskningsrådet ColdTech 136 252 euro, Nordland fylkeskommune 91 350 euro

**Total budget:** 1 676 369 euro

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## **Project: Material testing of nanocomposite structures (NAKOMATE)**

**Lead partner: Ii Micropolis Oy**

### **Partners**

Tampere University of Technology, Department of Materials Science, Karleby unit,  
Luleå tekniska universitet  
Swerea SICOMP AB  
Kemi-Tornion ammattikorkeakoulu  
Teknologisentret KETEK AB

### **Background**

Although research and development of composite materials has been conducted for decades, there are a number of technical and scientific challenges.

### **Objective and aim**

The project aims to work across the Nordic borders (northern Sweden and Finland) to develop and evaluate opportunities with the use of nanocomposites and nanocomposite reinforced composites. It is intended that the project will encourage cooperation between both research providers and industry. The project will jointly carry out research and disseminate results to the composite industry that can utilize the results by using these innovative materials and composites in commercial products, thereby contributing to both economic growth and environmental benefits. The research project will be focused on evaluating the potential for improved properties of nanocomposites and nanocomposite reinforced composites. In addition, the NDT-methods for the materials will be evaluated.

The industry will benefit from the project by the availability of qualified skills in areas such as materials testing and simulation will be improved. In addition, you get a better understanding of the possibilities of nanocomposites and their properties. Such skills will improve its competitiveness in the international market. There is also a possibility that the project will generate spin-off effects and ideas into commercial products in industries such as electronics and metrology.

**Project time:** 2010-04-01 - 2012-03-31

**Date for decision:** 2010-04-22

**Grant amount:** 462 573 euro

**Public co-financing;** Länsstyrelsen i Norrbottens län 124 695 euro, Lapin Liitto 114 804 euro, KETEK 15 361 euro, Kemi-Tornio ammattikorkeakoulu 22 961 euro, Ii Micropolis 22 961 euro, Tampere University of Technology 7 600 euro

**Total budget:** 770 955 euro

**Project leader:** Ari Alatossava, +358 4056 76 799, ari.alatossava@micropolis.fi

## **Project: Harsh Weather Testing Network**

**Lead partner: Finnish Institute of Occupational Health**

### **Partners**

Municipality of Arvidsjaur  
County Council of Västerbotten  
NORUT Narvik AS

### **Background**

The improvement of living and working in cold environment as well as harsh weather testing is of great interest in the Northern periphery region. As an indication of this there are many organizations working in the field of cold testing and cold climate technology.

The situation now is, however, that harsh weather testing know-how is scattered around in the Northern periphery area and necessary knowledge may not be found in occasional country. Also the absence of systematically organized harsh weather testing services is a limiting factor for several business areas. For those reasons it is obvious that there is a need for developing a new system, a network, which will answer to these demands.

### **Objective and aim**

The purpose of the project is to create a novel transnational network between the project partners and their clients (SME's) and find an activate other organizations that give testing services to join the network. The meaning of the network is to create a totally new system for developing and strengthening the harsh weather testing activities in the northern periphery region. The main objective of the project is that in the future there will be a functional transnational harsh weather testing network delivering solutions and services for research organizations, enterprises, industry, authorities, inhabitants and other possible costumers in different countries.

**Project time:** 2010-05-01 - 2010-10-31

**Date for decision:** 2010-04-22

**Grant amount:** 327 240 euro

**Norwegian IR-funding:** 63 000 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 65 000 euro, Arvidsjaur kommun 23 730 euro, Nordkalotträdet 30 000 euro, Västerbottens läns landsting 22 268 euro, Lapin Liitto 22 065 euro, Työterveyslaitos 45 196 euro, Nordland fylke 31 500 euro, Norut Narvik AS 31 500 euro

**Total budget:** 671 401 euro

**Project leader:** Ville Hyvärinen, +358 43 824 1274, ville.hyvarinen@tti.fi

## **Project: FATLASE**

### **Lead partner:**

Central Ostrobothnia University of Applied Sciences/CENTRIA research and development

### **Partners**

Luleå University of Technology  
Tammerfors University of Technology  
Technology Centre Ketek LTD

### **Background**

The coastal area around the Gulf of Finland is well known for its metal and engineering industries. Besides what the basic industries (iron and steel) processed these raw materials in various workshops to become ennobled products for export. Surface treatment of steel components using a more constant metallic material greatly improves the components of the structural properties. The application is performed using a laser beam and method (laser cladding) have begun to apply such diesel engines, boilers and incinerators, metal tools and the various off-shore applications. Since the method is rather new, there is little on research and test results on the method's advantages. This slows in itself the spreading of laser cladding. Within the Interreg IVA Programme area there are two leading research and development laboratories (Lulea and Kokkola), who has long studied the laser cladding. The laboratories are equipped to perform both laser cladding, perform dynamic tests and analyze results. Research in industrial laser cladding started in Kokkola, about 10 years ago with the cooperation between the Technology Centre KETEK and Fortum Service Oy. Since those days, a number of nationally funded projects have been implemented in laser cladding. Still, the knowledge of the laser cladding process and the benefits are quite unknown especially in northern Finland and Sweden.

### **Objective and aim**

The purpose of this project is to increase knowledge about the applicability of laser cladding of metal components are exposed to dynamic loads. This will be done through a comprehensive testing program of surface components in laboratory environments. When research and test results are available, it is less risky for the metal and engineering companies to apply the method. In the long run is the purpose of this project to enhance business competitiveness and to build joint innovation and educational organizations that offer programs area's business community and other stakeholders' excellence in product and production.

The goal of this project is to increase knowledge about laser finishing metal components withstand dynamic loads and the factors affecting sustainability. Based on this knowledge, and documented data, criteria, recommendations and design rules are created for designers and end users of metal that has been finishing surface with laser treatment. In the longer term the use of laser cladding method improve the metal and engineering industry ability to compete. In addition to scientific objectives is the intention of using this project to start a firm and close cooperation between the two leading materials research (Lulea, Kokkola) in finishing surface treatment in the North.

**Project time:** 2010-01-01—2011-10-31

**Date for decision:** 2010-10-20

**Grant amount:** 189 370 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 27 419 euro, LTU 27 419 euro, Lapin Liitto 98 630 euro

**Total budget:** 450 599 euro

**Project leader:** Lasse Jansson

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## **Project: PROLAS**

**Lead partner:** Luleå University of Technology

**Partners** Oulu University

### **Background**

Laser welding is a promising technology for the welding of high strength steel. The method is fast and precise, with little heat input to the material, which in turn provides a context in welding a minimal effect on the mechanical properties. Now are fibre and disk lasers introducing on the market. These new laser types have very high power and high beam quality, which makes it possible to weld at high speed and large weld depth with little heat input. They also have high efficiency and low running costs which makes them especially interesting for the manufacturing industry. But laser welding process is different from other lasers; these create problems with spatter, and weld ditches, especially in thicker materials. These typical defects must be eliminated in order to catch exploit the full potential of these laser types.

The region has a number of companies producing and using high-strength steel and there is potential to increase the use of multiple products and for businesses to use technology for high-strength steel is considered as an important competitive factor in the manufacturing industry now and in the future.

Manufacturing companies in the region must learn new, effective technologies to meet national and international competition. The technology must be reliable and thoroughly tested with high quality. Laser welding with fibre and disk lasers is such a key technology for the future but the technology must be developed and understanding of the processes must be improved in order to exploit the full potential of these new laser types.

### **Objective and aim**

The project aims to develop laser-welding technology with fibre and disk lasers and encouraging the use of laser welding and high strength materials in the region's manufacturing industry. PROLAS would also like to develop cooperation between Luleå University of Technology (LTU) and Oulu University (OU) and the region's companies to better utilize the resources available.

- investigate and document the laser welded joints fatigue resistance
- develop guidelines to produce optimized laser welding of materials
- dissemination and transfer of laser welding expertise to the region's businesses

The goal is to strengthen the competitiveness of manufacturing companies and to enhance the laser welding knowledge of the region.

**Project time:** 2010-10-01—2013-09-30

**Date for decision:** 2010-10-20

**Grant amount:** 469 323 euro

**Total budget:** 782 147 euro

Public co-financing: Länsstyrelsen i Norrbottens län 71 412 euro, LTU 71 412 euro, University of Oulu 48 000 euro, Lapin Liitto 100 000 euro

**Project leader:** Alexander Kaplan, **E-mail:** alexander.kaplan@ltu.se

## **Project: Mäta Jämt 2**

**Lead partner:** Luleå University of Technology

**Partner** Oulu University/CIE

### **Background**

The project focuses on the IT industry and how equality and diversity can contribute to the development of the industry. Diversity as a concept in this project is all about sex, age and ethnicity. That there are few women in the IT industry is a problem in the knowledge that diversity enhances creativity and thus also affects economic growth. To make the region in northern Finland and northern Sweden more attractive and for the IT industry to develop there is a need for a more even gender balance and greater diversity in the industry. Measuring the effects of an integrated equality and diversity work in IT project/company and how the work of promoting projects / companies is a key issue in MätaJämt2. The big challenge for the project is to work with researchers, companies and users to develop and implement a method that works in real environment with real needs. The project concept is based on a need that arose at the Centre for Distance-Spanning Technology (CDT) at Luleå University of the effort to find competitive advantages in the development of mobile services. The fact that Finland managed better than Sweden in the inclusion of women in the IT industry has also been highlighted in previous projects and it resulted in a preliminary study with a Finnish university (MätaJämt1). The pilot study also aimed to find suitable actors for the respective countries 'pilots', ie. projects / companies that represent the actual test environment during the main project. In Sweden, SATIN2 project with its dedicated IT companies will serve as "pilots". On the Finnish side, the Centre for Internet Excellence (CIE) and Ritaharju-school (so-called Future School) involved as "pilots", also will Lapland University in Rovaniemi be in as experts.

### **Objective and aim**

The purpose of MätaJämt2 project is to develop and implement tools and methods for measuring the effects of an integrated equality and diversity work in the IT project environment. The main idea of this project is that the further development takes place in real environments (pilots), together with researchers and companies. The project's ambition is to contribute to a long-term and more sustainable growth and development in Northern Finland and Northern Sweden, with equality and diversity as tools. The region's IT industry is expected to achieve greater awareness of how important the role of gender and diversity in the development of the IT industry is. It is profitable for both business and society that products reach the market. The project is expected to widen women's influence on IT development and ultimately create new jobs for both men and women. The goal is to encourage the development of processes, procedures and ability to create gender projects and work.

**Project time:** 2010-10-01—2013-03-31

**Date for decision:** 2010-10-20

**Grant amount:** 430 022 euro

**Public co-financing:** LTU 140 000 euro, Länsstyrelsen i Norrbottens län 50 000 euro, Oulu universitet 29 196 euro, Oulu stad 8 000 euro, Lapin Liitto 61 612 euro

**Total budget:** 721 254 euro

**Project leader:** Paula Wennberg , **E-mail:** paula.wennberg@ltu.se

## **Project: Nordpraktik**

**Lead partner:** The Norden Association

### **Partners**

Kemi Tornio University of Applied Sciences - Lappia  
Troms County Council v/ Fagskolen i Troms

### **Background**

We are facing a situation of labor and skills shortages in the North Calotte area as we have high unemployment, for example, among young people. The region's small and medium-sized companies are facing major changes of generation and the need for young people who can develop business ideas and create new businesses. When labor mobility is increasing, not only in Europe but also globally, there are also new demands on education. In addition to language requirements needed more knowledge about other countries and regions, labor law, culture, history, etc.

The Norden Association, centrally, is running a successful project, Baltic Training Programme, funded by the Interreg IV A Central Baltic Programme and with a project period from October 2009 till May 2012. The aim of the project is to encourage the mobility of students within post-secondary vocational training, and to support the development of entrepreneurship across borders. This project is also appointed to a so-called "Flagship" project of the Baltic Sea Strategy. The Norden Association of Norrbotten wants to move forward with a similar project in the North Calotte area, North practice which is addressed to students at vocational college and to various training providers in the region. In Finland and Norway, the Polytechnic is well established as a type of school since way back, while the shape is relatively new in Sweden. The first four professional university programs will be started in northern Sweden during autumn 2011. An important and fundamental part of all post-secondary vocational training are internships for students, called LIA points (learning at work) and it is a difficult task and challenge for education providers to find relevant work placements

It should also be mentioned that the Norden Association (central) is to complete an application to the Interreg IV A South Baltic Programme with similar concepts in the Baltic and Nordpraktik. Our aim is to compare the results and experiences from these three projects. The results will in future lead to a request to the European framework for a joint project.

### **Objective and aim**

The overall aim is to contribute to North Calotte area development with graduates from the post-secondary vocational school that has good knowledge of the region's countries and their cultures. Young people who see it as natural to work across borders and develop business ideas with business partners in neighboring countries. Nordpraktik supports the internationalization of post-secondary vocational training and entrepreneurship across borders in the region. Nordpraktik will increase labor mobility within the group of students graduating from the post-secondary education. The goal is to make the most of the students' business ideas and stimulate entrepreneurship. Phase 1 aims to offer skills and experience for education providers and other relevant actors in the program region and within the region. Special focus will be aimed at finding relevant training operators on the Swedish side of the project's next phase with the polytechnic form is relatively new in Norrbotten. The relevant players in the

Finnish and Norwegian side are in the process to be active in the earliest phase. The objective of Phase 2 is to offer internships to students in postsecondary vocational training and match students' internship projects with suitable companies in neighboring countries.

**Project time:**

2011-08-01 - 2012-07-31

**Date for decision:**

2011-03-23

**Grant amount ERDF:**

36 450 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 7 200 euro, Norrbottens läns landsting 7 200 euro, Nordkalotträdet 2 450 euro, Föreningen Norden Norrbotten 640 euro, Lapin Liitto 4 500 euro, Kemi-Tornio ammattikorkeakoulu 2 310 euro

**Total budget:**

81 650 euro

**Project leader:**

Marit Lamberg

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## **Project: HighBio 2**

**Lead partner:** University of Jyväskylä, Karleby University centre Chydenius

### **Partners**

Oulu University, Central Ostrobothnia Polytechnic, Centria, Luleå University of Technology

### **Background**

Sustainable energy production is one of the fundamental issues worldwide. EU has set a target to increase the amount of renewable energy to 20 %, and to increase the minimum share of biofuel to 10 % by 2020. To obtain these targets, an increasing amounts of renewable energy resources needs to be adopted and novel technological innovations have to be developed. Renewable carbon-based energy resources (such as biomass or forest products) are of special interest because they can either be used to produce heat, electricity or provide biofuel for transport or industrial biochemical's, and therefore reduce the use of fossil raw materials. To develop economically viable, renewable and environmentally friendly energy technologies is a key task.

Small-scale combined heat and power (CHP) has the potential to produce energy locally and viable by using biomass as raw material. CHP units can be developed to include a carburetor with the refining unit. The gasified biomass can be refined into biofuel and biochemicals by various catalytic methods. These products are, in principle, the CO<sup>2</sup>-neutral and can therefore help to reduce greenhouse gases in the atmosphere.

### **Objective and aim**

The project aims to

- Contribute to the development of clean and efficient technologies for bio energy production
- Contribute to the development of bio-based fuels and raw materials for chemical industry
- Through research and development support small-scale heat and power at local level

The goal of this project is to develop methods by which you can use biomass more versatile than before. The aim is also to expand the region's energy self-sufficiency and develop methods by which to reduce dependence on fossil fuels.

The technical objective of this project is to develop the gasification process of biomass (especially wood and logging residue) with different types of gasification and the development of treatment and the use of syngas for the production of biofuels and biochemicals.

**Project time** 2011-06-01 - 2013-12-31

**Date for decision** 2011-03-23

**Grant amount ERDF** 720 240 euro    **Total budget** 1 200 398 euro

**Public co-financing:** Länsstyrelsen i Norrbottens län 43 846 euro, LTU 52 938 euro, Lapin liitto 239 610 euro, Chydenius 47 501 euro, Jyväskylä universitet 32 598 euro, Uleåborgs universitet 31 865 euro, Centria 31 800 euro

**Project leader:** Ulla Lassi, **E-mail:** [ulla.lassi@oulu.fi](mailto:ulla.lassi@oulu.fi)

## **Project: NIMO - Nordic Interaction and Mobility Research Platform**

**Lead partner:** Luleå University of Technology

### **Partners**

Oulu University, University of Lapland, The municipality of Skellefteå

### **Background**

The population of North Sweden and North Finland is aging and lives in a very sparsely populated area. This situation creates extraordinary challenges to society both in terms of financial aspects, but also in terms of the possibility of delivering sustainable services to all citizens, life quality for elderly people, and good opportunities for young people to stay in the region. At the same time the ICT industry is a substantial sector in the region, but not addressing these issues to its full potential focused enough towards those challenges.

Cooperation between universities, companies in the ICT industry, as well as public authorities and service providers are keys to regional development in North Sweden and North Finland, both being peripheral regions of Europe. By joining forces and strengthening existing networks as proposed in this application, not only will the research groups of the participating universities be enhanced, but also the innovation system in the area of e-services for citizens, community-based elderly care, and pervasive gaming will be fed with new ideas. End-users will benefit from new products and services on the market.

### **Objective and aim**

The overall goal of the project is to establish a common research platform within interaction and mobility in the region. It should be accomplished through leveraging existing resources and networks and performing joint cross-border research, development, innovation, and deployment activities. E-services for citizens, community-based elderly care, and pervasive games are targeted application areas. The overall goals of the project are to establish a common research platform within interaction and mobility in the region, establish European networks in the targeted area to form the basis for future funding from the framework programs and increase the number of active researchers in the region in the targeted area (measured as number of dissertations, number of senior researchers, number of PhD students) The quantitative goals for the project are to cooperate in four common work packages, invite at least two researchers per year from other universities (outside the region) and deliver according to objectives from each work package (see below)

**Project time:** 2011-06-01 - 2014-06-30

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 702 000 euro

**Public co-financing:** Skellefteå kommun 521 740 euro, LTU 19 000 euro, Lapplands universitet 19 000 euro, Uleåborgs universitet 20 000 euro, Lapin Liitto 129 332 euro

**Total budget:** 1 450 072 euro

**Project leader:** Karl Andersson **E-mail:** [karl.andersson@ltu.se](mailto:karl.andersson@ltu.se)

## **Project: MEDIA**

**Lead partner:** Luleå University of Technology

### **Partners**

University of Lapland, Tvibit, NORUT

### **Background**

Luleå University of Technology and Lapland University aim at establishing a strong knowledge-based leading platform within the field of media production which should contribute to the development of the region. This should be achieved through the establishment of a transnational research platform with researchers and research students from both institutions as well as through joint courses and workshops. Through a strong collaboration between the representatives of the academic circles and media, the project should create a common attractive cross-border environment for research and studying within the field of media production. By way of cooperation and exchange of knowledge, this will contribute to strengthening competitiveness between the media enterprises as well as to the fact that media enterprises, for instance Sveriges television, would show their interest in the project. The research project will be followed by a steering group representing the business community to ensure that focus is kept on the existing industry's needs and on the common objective to contribute to the economic growth in the region.

### **Objective and aim**

The objective is to cooperate across the Nordic borders (northern Sweden and northern Finland) with a view to strengthen the quality of education and research as well as to increase the cooperation with media enterprises. The overall objective of the project is to establish a platform for the industry-oriented research within the field of media in the region.

The aims of the project are as follows:

1. Establish a joint transnational high quality research platform.
2. Develop a well functioning cross-border network between the universities and media enterprises.
3. Establish conditions to strengthen concerned enterprises by showing a good example and apply research results to media production enterprises.
4. Obtain research results that can be published and can be used by media enterprises.
5. Stimulate an increased cooperation between media enterprises as well as between media enterprises and universities.
6. Expand the network internationally and thus establish conditions for participating in the EU framework program (FP7/FP8).

**Project time:** 2011-10-01—2014-03-31

**Date for decision:** 2011-06-23

**Grant amount ERDF:** 484 844 euro

**Norwegian IR-funding:** 223 824

**Public co-financing;** LTU 210 418 euro, Lapplands universitet 23 305 euro, Lapin Liitto 70 507 euro, Troms fylkeskommune 179 145 euro, Tvibit 31 250 euro, NORUT 13 429 euro.

**Total budget:** 808 074 euro

**Project leader:** Ann-Kristin Juntti-Henriksson, **E-mail** [Ann.Kristin.Juntti.Henriksson@ltu.se](mailto:Ann.Kristin.Juntti.Henriksson@ltu.se)

## **Project: InnoPreneurship 21**

**Lead partner:** Kemi-Tornion ammattikorkeakoulu (Kemi – Tornio University of Applied Sciences)

**Partners;** Luleå tekniska universitet, University of Oulu, University of Nordland

### **Background**

Development of the northern regions in Sweden, Norway and Finland depends on innovations and specific new business initiatives in the form of new enterprises. Establishing new enterprises has not traditionally been linked to high schools; the latter were rather in charge of providing large companies with competent labour force. However in the last years, the role of the high school in terms of business initiatives increased as students are choosing to start their own company after finishing the studies. Still, the number of such students remains quite low compared to other groups of students. Thus, even though entrepreneurship has been introduced in the curriculum of the most high schools, there is still a lot of work to be done. The region needs innovation and it is the universities and high schools that can be one of the keys to succeeding in remodelling/strengthening regional development.

The project "Innopreneurship" identified good examples in both high schools and universities and went a step forward using mutual strengths to achieve a better education in the field of entrepreneurship and innovation. However, the actors involved in the project have not fully used the possibilities of working across the borders in a coherent way despite the fact that there is potential for such exchanges. It became evident during the previous project implementation that educating in entrepreneurship is primarily not about prompting the students to create their own companies in a short-term perspective but it is rather aimed at inspiring them to become entrepreneurs, meaning taking more initiatives, daring to try more ideas and strengthening their creativity thus becoming more innovative. At the same time, the actors involved in the project have to ensure that those who are able to start a new activity, receive the best possible support through high-quality education and training.

The most important differences between the projects is that the new one:

- 1) puts more focus on concrete cooperation projects where various parties jointly take action;
- 2) will work more with those interested outside the project group as such, i.e. with the students, institutions and those who work within the high education system;
- 3) will focus on establishing structures that will ensure that the activities initiated during the project, continue after the project period;
- 4) Oulu University is a new participant to the project.

### **Objective and aim**

The objective of the project is to:

- Increase the knowledge as to the role and the significance of entrepreneurship between the participating high schools and other public institutions in the Northern Scandinavia.
- Influence the attitudes and the culture of the participating high schools and their regional partners favouring a more "entrepreneur" way of thinking and pattern of behaviour. In practical terms, a questionnaire will be sent to all concerned universities in order to evaluate different attitudes and behaviour patterns linked to entrepreneurship and innovation. This initiative will be repeated up on a yearly basis

in order to follow up eventual changes. The questionnaires will also help establish the range of activities in which the co-workers have been involved, and to evaluate those activities as to be able to determine which ones function better than the others.

- Develop and promote measures that can contribute to integrating entrepreneurship into high schools' curricula as well as in their daily routines.
- Encourage both students and teachers to start their own enterprises and/or act as entrepreneurs in their daily routines.

The aim of the project is to:

1. Develop new knowledge as to how to organise education that strengthens entrepreneurship and innovation in sparsely populated areas and in cooperation with the other countries.
2. Conduct pilot trainings in the field of entrepreneurship and innovation involving at least two universities/high schools on each occasion.
3. Establish conditions for the exchange of knowledge between the universities/high schools focusing on teachers of the subject of entrepreneurship and innovation. As this has never been done so far, the project participants should organise this in a project form as well as obtain additional knowledge about ways of subsequently integrating those issues in everyday work.
4. Establish conditions for a wider exchange of knowledge within and outside the region through creating virtual meeting places and workshops.

**Project time:** 2012-01-01—2014-06-30

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 190 711 €

**Norwegian IR-funding:** 114 826 €

**Public co-financing;** Länsstyrelsen i Norrbotten 49 927 € Luleå tekniska universitet 2 083 € Lapin Liitto 37 564 € Kemin Digipolis 15 000 € Oulu university 17 728 € Kemi-Tornio university of applied sciences 4 841 € Nordlands fylke 68 896 € Universitetet i Bodö 45 928 €

**Total budget:** 547 504 €

**Project leader:** Seppo Saari, **E-mail** [seppo.saari@tokem.fi](mailto:seppo.saari@tokem.fi)

## **Project: Meet, play & learn 2**

**Lead partner (functional):** Northern research institute Tromsø

**Lead partner (economy):** Luleå tekniska universitet

**Partners:** Rovaniemen ammattikorkeakouku (RAMK), Norut Alta, Frostware entertainment

### **Background**

More and more children are being diagnosed with type 1 diabetes. Those who suffer from diabetes as well as their relatives need knowledge about the illness. This concerns friends and their parents, schoolmates and teachers. Those who suffer from diabetes do not wish to be perceived as different from the others, however at the same time they need to talk about their sickness and share experiences with those who find themselves in the similar situation. The number of children and youth who suffer from type 1 diabetes is relatively low in the northern regions. Therefore it can be somewhat difficult to find persons of the same age who can offer their support. The so called “multiplayer field” that allows several players to participate in a game at the same time in order to increase motivation and enhance joint learning, has not been sufficiently researched so far. Such scenario refers to a situation that presupposes interaction that will in turn favour learning mechanisms.

The pilot project (phase 1) resulted in analysis and interviews and came up with specific criteria for social learning with a multiplayer element for children who have been diagnosed with type 1 diabetes. The results of the analysis showed that the only available game for children who have been diagnosed with type 1 diabetes is a so called single game with simple topics. Furthermore, it is difficult for children to ask questions about the sickness or to discuss it with other children. In Norway, only one Facebook group has been created. As for Sweden and Finland, the diabetes association has a forum for youth but not for children.

### **Objective and aim**

1. The objective of the project is to strengthen cooperation between researchers and game industry in the region.
2. Objective of the businesses: to contribute in a positive way as to ensure that the game industry develops social tools.
3. Objective of the researchers: to strengthen cooperation between the research institutes in the region.

#### **Partial objective**

- Create a meeting place to allow researchers, medical personnel and game industry representatives to meet both within the framework of mini-seminars and virtually.
- Support the development of the game industry by providing the latest research findings to the concerned companies as well as to support the cooperation between said companies.
- Establish a framework as to how to develop a game.

The aim is to create an educational platform with a multiplayer function that will allow children to be more in control over their daily routines, to go through their daily routines and to have better chances to manage their disease.

**Project time:** 2011-10-01—2012-12-31

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 39 715 €

**Norwegian IR-funding:** 68 629 €

**Public co-financing;** Nordkalottrådet 3 651 €, Luleå tekniska universitet 10 954 €, Lapin liitto 11 873 €, Rovaniemen ammattikorkeakoulu 900 €

**Total budget:** 204 351 €

**Project leader:**

**E-mail**

## **Preliminary study: Meän Koulu**

**Lead partner: Lapland Vocational College**

### **Partner**

The Lappia Vocational College

### **Background**

Municipalities Gällivare, Jokkmokk, Kiruna och Pajala has high growth and a large scale of investments going on in the area. These investments together with major pensioning as well as increasing demands of competence makes maintenance of labour and knowledge support extremely important for the region in the future.

### **Objective and aim**

This preliminary study aim at investigate possibilities for developing technical programme education to be given cross border. Educations are for basic industry as well as mining industry both in Sweden and Finland. In this study shall prioritized directions be identified. The educations will make cross border movement easier and it will be possible to read part of it for further education.

### **Project time**

2008-05-19 - 2008-11-15

### **Date for decision**

2008-06-05

### **Grant amount**

10 000 euro

**Public co-financing:** Lapplands kommunalförbund 3 412 euro, Kemi-Tornio polytechnic 3 412 euro

### **Total budget**

16 824 euro

### **Project leader**

Monica Lundkvist Renström

### **Telephone**

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### **E-mail**

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## **Preliminary study: Multimodal Communication System for Health Services**

**Lead partner: Kemi Tornio University of Applied Sciences**

### **Partners**

Luleå University of Technology  
University of Oulu

### **Background**

This project will develop a new multimodal communication system for health services. The system will communicate with patients that have language difficulties, especially patients from foreign countries and elderly people that not are used to IT-systems.

### **Objective and Aim**

Objective of this preliminary project is to make a survey of similar research in this field, what products are on the market in advanced language and communication models. How does mobile communication look like? How does user interface look like? A survey for technique state-of- the-art will be done.

### **Project time**

2009-04-15 - 2009-08-15

### **Date for decision**

2009-05-18

### **Grant amount**

10 000 euro

**Public co-financing;** LTU 2 600 euro, Kemi-Tornio yrkeshögskola 2 400 euro, Oulun yliopisto 1 600 euro

### **Total budget**

16 600 euro

### **Project leader**

Leena Alalääkkölä

### **Telephone**

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### **E-mail**

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## **Preliminary study: Increasing Energy Efficiency in Buildings (IEEB)**

**Lead partner: Oulun University of applied sciences, School of Engineering**

### **Partners**

Luleå University of Technology

Oulun Kaupungin, rakennusvalvontavirasto a local timber house manufacturer in Oulu region

### **Background**

Saving energy is becoming more appreciated and valuable in the time when in near future oil sources are drying up and renewable energy sources are more and more taken into use. In construction industry there is a rapid development work going on towards more energy efficient buildings, like low-energy or passive houses. Nordic countries have more or less same building standards – but general instructions and practices have not been coordinated.

### **Objective and aim**

IEEC preparatory project will create a plan for a real project to study various energy saving measurement ways, methods and equipment, to be used in buildings. By studying and comparing existing measurement methods and new mobile/wireless systems for various construction materials the project could define best practises and recommendations for energy saving. Measurement parameters include temperature, relative humidity, difference in air pressures, energy circulation inside materials and more.

### **Project time**

2009-05-29 - 2009-11-30

### **Date for decision**

2009-08-10

### **Grant amount**

10 000 euro

**Public co-financing;** LTU 4 331 euro, Oulu university 18 237 euro

### **Total budget**

32 568 euro

**Project leader** Antti Haapalahti, +358 50 5909 689 **E-mail** antti.haapalahti@oamk.fi

## **Preliminary study: Measuring the effects of an integrated equality and diversity work in the IT project environment - Mäta Jämt 1**

**Lead partner: Luleå tekniska universitet**

### **Partner**

Oulu University

### **Background**

The proportion of women is still low in the IT industry in the region. For the IT industry to develop there is a need for a gender balance in the industry.

### **Objective and aim**

The purpose of the preparatory project is to begin the identification of best practices, exchange experiences and knowledge, compare the relationships between Finland and Sweden, making contacts with several project partners, and plan and complete a master application.

The main project is expected to help increase awareness of equality and diversity as a tool in the development of the IT industry. The project is expected to help make the region more attractive and contribute to a long-term and more sustainable growth and development.

### **Project time**

2009-09-01 - 2009-12-31

### **Date for decision**

2009-09-09

### **Grant amount**

9 885 euro

**Public co-financing:** LTU 3 672 euro, University of Oulu 3 000 euro

### **Total budget**

16 557 euro

**Project leader** Paula Wennberg, +46 920 49 12 85, **E-mail** paula.wennberg@cdt.ltu.se

### **3. Regional functionality and identity**

**Goal:** By 2013, solidarity in the region will have strengthened through a number of cross border alliances and contacts which shall partly facilitate information transfer and transport options for individuals, services and goods over the borders as well as develop long-term cooperational relationships.

#### **Interim objective 1**

*Through cooperation, public and private actors develop cross border solutions which facilitate information transfer and transport options for people and goods in the programme area.*

#### **Interim objective 2**

*Municipalities, authorities and organizations develop and intensify the cross border cooperation within service, infrastructure and the exercising of the law.*

#### **Interim objective 3**

*Local and regional actors participate in cross border activities which stimulate sharing of culture and experience, and training in the programme area.*

**Target group:** the local community, municipalities, authorities, associations, interested organizations, young people.

**Budget ERDF: 9 241 454 €**

**Granted amounts: 9 711 681 €(105%)**

**Returned: 428 651 €**

**Remaining: - 41 576 (-0,4%)**

**The following projects have been approved within prioritized area**

<b>Project</b>	<b>Granted amount</b>
<b>Interim objective 1:</b> <i>Through cooperation, public and private actors develop cross border solutions which facilitate information transfer and transport options for people and goods in the programme area.</i>	
North calotte transports	108 600
The Arctic ocean way	49 838
Preproject railway Rovaniemi - Kirkenes	22 500
<b>Total:</b>	<b>180 938</b>
<b>Part of total budget:</b>	<b>2%</b>
<b>Interim objective 2:</b> <i>Municipalities, authorities and organizations develop and intensify the cross border cooperation within service, infrastructure and the exercising of the law.</i>	
Refuse transport in the North Calotte area	17 625
Karesuanto and Karesuando links water supply system...	210 000
Meänmaa - Kolari - Pajala	398 858
Border district (På gränsen - Rajalla)	852 000
Freely care choice in the functional region of Tornio valley	207 601
Preliminary study: Fiberoptik Network Pajala-Kolari	6 000
Preliminary study: SWEFI	8 264
Detailed inundation planning in the lower part of Tornio River	642 197
Development of an International Waste Market...	35 051
Boundless care	50 280
Preliminary study: Development of navigation between Kemi...	10 000
Mara Nord	368 229
Boundless care II	607 715
Preliminary study: Boundless Sea	10 000
Forestry impact and water management	485 460
Preliminary study: ...surviving of the fresh water pearl mussel	6 300
Preliminary study: The frontier between three countries	10 000
Northern network climate change	277 510
Boundless bothnian bay	645 600
Dev of cooperation between administrative authorities in Tana	187 200
Travel center HaparandaTornio	1 530 000
Restoration of the freshwater pearl mussel population	511 948
<b>Total:</b>	<b>7 077 838</b>
<b>Part of total budget:</b>	<b>77%</b>
<b>Interim objective 3:</b> <i>Local and regional actors participate in cross border activities which stimulate sharing of culture and experience, and training in the programme area.</i>	
Theme yearbook 2008-2009	21 600
War opera	245 600
Is North Calotte ready for globalization...	60 929
Music on Top	534 519
The north in the Barents region	215 940
Boundless 2009	47 384
Roads to Ruija	131 655
Preliminary study: Artic Dance Circle	7 584
Gaze towards Arctic	91 090
Preliminary study: Young and environmentally conscious	4 550
Dance & Performing Arts - Arctic Dance Circle	551 821
Music on Top 2	498 000
Preliminary study: Together	3 713
Kultur och näringsliv på Nordkalotten	38 520
<b>Total:</b>	<b>2 452 905</b>
<b>Part of total budget:</b>	<b>27%</b>
<b>Budget ERDF €</b>	<b>9 241 454</b>
<b>Granted amount €</b>	<b>9 711 681</b>
<b>Granted amount %</b>	<b>105%</b>

## **Descriptions of projects and preliminary studies granted in priority 3**

### **Project: War-opera**

**Lead partner: Municipality of Haparanda**

#### **Partners**

Municipality of Tornio

Norrbottnesteatern

Tornedalsteatern

#### **Background**

The peace between Russia and Sweden in 1809 had the result that Finland belonged to Russia after being a part of Sweden for many hundred years. The border was along Könkämä, Muonio och Tornio River. Condition governing one's life changed fundamentally. Villages and homestead on both sides of the River suddenly belonged to different countries. The knowledge of this dividing up is weak in south part of Sweden and imperfect in Norrbotten end even in the Torne Valley. The Smuggler Opera in Pello 2004/2005 and Laestadius Opera 2007/2008 has both throw light upon the situation in the Torne Valley. The Smuggler Opera has illustrated the local populations view on smuggling and the importance it had to promote entrepreneurship. The Laestadius church has among other things contributed to keep contacts over the border between Finland and Sweden. The War-opera will give a historical perspective that is of great value for inhabitants on both side of the border.

#### **Objective and aim**

The primary purpose of War-opera is to increase knowledge about the history that have impress and developed Torne Valley.

Aim:

1. Create a network between institutions and companies on both side of the border.
2. Create a unique music-theatre show with high quality.
4. Act for at least 10 000 spectators.
5. At least one third of them should be tourist from outside the region.
6. Improve cooperation between culture and trade and industry.
7. Strengthen position of culture in municipalities' strategy.

**Project time:** 2008-04-01 - 2009-12-31

**Date for decision:** 2008-06-12

**Grant amount:** 245 600 euro

**Total budget:** 409 300 euro

**Public co-financing:** Norrbottensmusiken 5 400 euro, Haparanda stad 46 800 euro, Norrbottensteatern 17 000 euro, Nordkalotträdet 16 000 euro, Tornedalsteatern 20 200 euro, Norrbottens läns landsting 21 400 euro, Sveriges författarfond 12 300 euro, Torneå stad 24 600 euro

**Project leader:** Tapio Salo, +46 922 151 40 **E-mail:** tapio.salo@haparanda.se

## **Project: Meänmaa-Kolari/Pajala**

**Lead partner: Municipality of Kolari**

### **Partner**

Municipality of Pajala

### **Background**

The municipalities of Pajala and Kolari make plans for a cross border mining system whose conditions are good for present. The Canadian company Northland Resources Inc has investigated ore supply with promising results in both countries; Tapulivuoma and Sahavaara on the Swedish side and Hannukainen-Laurinoja on the Finnish side.

### **Objective and aim**

The project will in Phase I focus on the direct and most important measure that the establishing of a mining demand and to secure that the coming establishment of a mining is done as professional and smoothly as possible.

### **Aim**

The primary purposes in phase I is to do a collected basic analysis in cooperation with the other parties concerned and bring about a common activity plan before phase II. The following question at issue will form the basis of the activity plan:

- Labour and competence support for future needs from mining and trade and industry
- Create possibilities for existing and new companies in the area as well as developing a differentiate economy
- Developing the regions power of attractions
- Support building new infrastructure
- Develop a rich selection of culture and leisure for present and new inhabitants in both municipalities

### **Project time**

2008-05-01 - 2010-01-31

### **Date for decision**

2008-06-12

### **Grant amount**

398 858 euro

**Public co-financing:** Pajala kommun 41 216 euro, Vägverket 30 518 euro, Banverket 5 000 euro, Länsstyrelsen i Norrbotten 57 476 euro, Kolari kommun 58 147 euro, Lapin liitto 29 549 euro, Nordkalottrådet 17 000 euro

### **Total budget**

689 082 euro

**Project leader** Tapio Niittyrinta, +358 16 519 300 **E-mail** tapio.niittyrinta@kolari.fi

## **Project: Refuse transport in the North Calotte area**

**Lead partner: Tekniska Verken i Kiruna AB**

### **Partners**

Kiruna Bilfrakt AB

Hålogaland Ressurselskap IKS, Narvik

### **Background**

Hålogaland Ressursselskap IKS is a municipality-owned company that every year takes 3 500 heavy transports with combustible refuse from Narvik (Norway) to Kiruna (Sweden). The quantity of refuse is increasing for every year with the result of more transports. Today one can certify that these lorry transports from Narvik to Kiruna neither are economical nor ecological because there is not any structure or overhaul on logistics from Kiruna to Narvik. With result that the lorries have to go empty back to Narvik.

### **Objective and aim**

By working out a logistic structure with a number of centres in the municipalities of Kiruna and Narvik the project has a purpose to contribute to a more ecological and rational way of using the transport system between Norway and Sweden. The purpose of the project is also to look after other alternative transport possibilities that can be more environmentally friendly.

### **Project time**

2008-08-01 - 2009-04-30

### **Date for decision**

2008-06-12

### **Grant amount**

17 625 euro

### **Norwegian IR-funding**

22 592 euro

**Public co-financing:** Tekniska verken i Kiruna 14 387 euro, Hålogaland Ressurselskap 22 592 euro

### **Total budget**

82 175 euro

### **Project leader**

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## **Project: Karesuvanto and Karesuando links water supply system together**

**Lead partner: Municipality of Enontekiö**

### **Partner**

Municipality of Kiruna

### **Background**

One for Karesuvanto and Karesuando common water purification plant was ready before the end of 2007. The purpose was also to build a line. While the calculation of contract was in progress the prices on building materials increased so much that only the water purification plant could be prepared within the limits of financing. This project is needed in order to build lines and so that Swedish side could lead soil water to the new water purification plant. By uniting water lines is enough supply of clean water to both villages guarantee.

### **Objective and aim**

The objective is that from Swedish side lead soil water through a new line to a new water purification plant on Finnish side and also to unite lines for pure water. The project will through co-operation improve water supply and treatment of soil water.

### **Project time**

2008-04-01 - 2008-12-31

### **Date for decision**

2008-06-12

### **Grant amount**

210 000 euro

**Public co-financing;** Kiruna kommun 70 000 euro, Lapin ympäristökeskus 49 000 euro, Enontekiön kunta 21 000 euro

### **Total budget**

350 000 euro

### **Project leader**

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## **Project: Theme yearbook 2008**

**Lead partner: The council of Tornio Valley**

### **Partner**

The Tornio Valley province museum

### **Background**

Youth in Tornio valley can't be regarded as having enough knowledge about Sweden's and Finland's common history that began in the beginning of 12th century and continued to 1809 when Finland became a Russian grand duke duchy. The Council of Tornio Valley wants through its working group for culture – responsible for culture in all 14<sup>th</sup> municipalities – contribute to increasing knowledge about our countries common history.

### **Objective and aim**

#### **Objective**

Strengthening the common cross-border identity among students and increase the knowledge about Sweden's and Finland's' history among youngsters.

#### **Aim**

- Production of a theme book for distribution to schools and youngsters in Tornio Valley. Addition about 3 000 copies.
- Presentation of common history for the latest 200 years as well as view towards future from today's condition.

### **Project time**

2008-03-01 - 2009-04-30

### **Date for decision**

2008-06-12

### **Grant amount**

21 600 euro

**Public co-financing:** Tornedalsrådet 3 600 euro, Nordkalotträdet 10 800 euro

### **Total budget**

36 000 euro

### **Project leader**

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## **Project: North Calotte transports**

**Lead partner: County Administrative Board of Norrbotten**

### **Partners**

Regional Council of Lapland  
Regional Council of Northern Ostrobothnia  
The National Rail Administration  
Port of Narvik  
Futurum

### **Background**

An informal forum/network existing of basic industry companies, regional planning authorities as well as the National Rail Administration that leads the world has established. The function of the network is to a high degree identification of basic industries need for more and better transport possibility for their activities. Concurrently with increasing environmental demand it is an increasing demand for railway conveyance of goods. Transport infrastructure in North Calotte area is to a high degree based on north-south transport stream while there is obvious lack of transverse infrastructure in the North Calotte.

### **Objective and aim**

The purpose is to improve accessibility for sustainable transport facilities in the North Calotte area. The aim is to realize activities that develop possibilities for sustainable transport facilities in the North Calotte area.

**Project time** 2008-08-04 - 2011-06-30

### **Date for decision**

2008-06-12

### **Grant amount**

108 600 euro

### **Norwegian IR-funding**

32 000 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 23 354 euro, Banverket 17 514 euro, Lapin Liitto 7 087 euro, Pohjois-pohjanmaan liitto 7 087 euro, RHK 17 358 euro

### **Total budget**

253 800 euro

**Project leader** Bo-Erik Ekblom, +46 920 960 00, **E-mail** Bo-Erik.Ekblom@lansstyrelsen.se

## **Project: MUSIC ON TOP**

**Lead partner: The County Council of Norrbotten**

### **Partners**

Oulo Symphony Orchestra  
Barentsjazz

### **Background**

Culture is an important factor for maintaining regional identity as well as for marketing the region. In spite of successful and strong organisations there are few examples of cooperation in music with focus on common and unique characteristic in the region. With understanding for the potential and musical professionalism in North Calotte the project will bring the regions musical resources together.

### **Objective and aim**

The project will further develop musical and culture cooperation in the North Calotte area with purpose to strengthen the identity of the region.

The aim is to develop culture into a regional profile where the collected music competence in North Calotte is taken care of and further developed.

**Project time** 2008-06-01 - 2011-05-31

**Date for decision** 2008-10-10

**Grant amount** 535 426 euro

**Norwegian IR-funding** 131 265 euro

**Public co-financing:** Luleå kommun 144 432 euro, Norrbottens läns landsting 62 741 euro, Norrbottensmusiken 17 730 euro, Oulu stad 131 442 euro, Troms fylke 131 265 euro

**Total budget** 1 154 906 euro

**Project leader** Mirka Siwek, +46 920 23 66 71, **E-mail** Mirosława.Siwek@nll.se

## **Project: Is North Calotte ready for globalization, competition and change of climate**

**Lead partner: The Norden Association**

**Partners;** Pohjola-Norden Lapin Piiri ry, Nordiskt Informationskontor i Alta

### **Background**

We are living in a time with global competition and growing climate changes. The opportunities and challenges that globalization creates can't be solved by a single country. It demands that countries and regions act together. The Nordic Council and Nordic Council of Ministers have begun an increasing cooperation between the Nordic countries in order to strengthen the Nordic role in globalization. Sweden is presidency for Nordic Council of Ministers in 2008 with focus on climate changes. The North Calotte Conference 2008 in Haparanda will focus on how North Calotte, as a region, is influenced by globalization and how a regional Nordic cooperation can create possibilities for a competitive as well as an environmentally sustainable North Calotte. The relation between an increasing global competition and growing climate changes will be conference theme. The north Calotte Conference is a forum where the grass roots in North Calotte, younger as well as older, meet politicians and decision makers.

### **Objective and aim**

The purpose with the project is to discuss how an increasing global competition and growing climate changes will influence population in North Calotte and how expansion can increase and competitiveness be strengthened. The purpose is also to bring together persons doing research, leader of a business and representative for North Calotte in a dialog and to discuss the need for a common strategy for globalization. The aim is to organize a North Calotte Conference and a parallel youth conference in Haparanda in August 2008. Results from the conference will be put together and processed further in different constellations in the counties.

**Project time:** 2007-12-15 - 2009-06-30 **Date for decision:** 2008-06-12

**Grant amount:** 60 929 euro

**Norwegian IR-funding:** 5 195 euro

**Public co-financing:** Nordkalotträdet 29 963 euro, Cirius/Nordiska rådets ungdomskommitté 12 798 euro, Formanskapspuljen/Nordiska ministerrådet 19 707 euro, Haparanda stad 4 678 euro, Föreningen Norden 6 771 euro, Pohjola Norden 6 309 euro, Nordiskt informationskontor 1 391 euro

**Total budget:** 148 807 euro

**Project leader:** Marit Lamberg , +46 920 22 56 61, **E-mail:** nordenbd.marit@telia.com

## **Project: På Gränsen – Rajalla (Border district)**

**Lead partner: City of Tornio**

### **Partners**

Municipality of Haparanda

### **Background**

“På Gränsen – Rajalla” is a co-operative project of two cities located in two different countries, Haparanda (Sweden) and Tornio (Finland). “På Gränsen – Rajalla” project started in order to let the two cities grow together even more. The High Street that is a part of the project has already been realized as well as the plans for realization of border canal, border market place, flood security and a park. In the project that now will start is one part of the infrastructure that is most important for the connected cities. It is construction of “Gränsbågen” that prevent Tornio River from flooding the centre.

### **Objective and aim**

The project will unite functioned Centre areas in the towns of Haparanda and Tornio to one function unity.

### **Project time**

2008-02-01 - 2010-12-31

### **Date for decision**

2008-10-09

### **Grant amount**

852 000 Euro

**Public co-financing:** Haparanda stad 284 000 euro, Tornio stad 284 000 euro

### **Total budget**

1 420 000 Euro

### **Project leader**

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## **Project: Freely care choice in the functional region of Tornio valley**

**Lead partner: County Council of Norrbotten**

### **Partners**

Municipalities of Tornio, Ylitornio, Pello, Kolari, Muonio and Enontekiö

### **Background**

In the functional region of Tornio Valley with municipalities of Pajala, Övertorneå and Haparanda in the Swedish side and Enontekiö, Muonio, Kolari, Pello, Ylitornio och Tornio in the Finnish side, will local health service have more and more difficult to handle their task with high quality and limited means that is available. Clear state of things as an elderly population and a removal of younger productive inhabitant creates a clearly pressure to change today's healthcare.

Starting point for this change is that citizens in the region may get equivalent high quality care in respective country. In the Tornio Valley there are a natural flow of patients between the countries and vision is to facilitate this flow through cooperation between medical services in respective country. Questions round cooperation has been actual for many years and some health care cooperation is already ongoing.

In order to increase cooperation a number of difficulties and obstacles have identified within for example the law and reimbursement for ambulance health care. Access to information and infrastructure is also an obstacle and there is a need to show which possible possibilities that are available at the same time that IT and new technique also gives new opportunities to cooperation. In jour cooperation there is need for more work about common health care programme so you can get equivalent care whether the patient is in Finland or Sweden.

Trade and industry will be favoured by cooperation likewise security round catastrophes will be strengthen in the future. The need for freely care choice for patients in Tornio Valley is also as a consequence of the more and more intensive cooperation in different fields between municipalities along the border.

The project is carried out in two phases. Phase 1 is realized during 8 months. Results from phase 1 will be base for phase 2 in the project, designed and applied for later.

### **Objective and aim**

The purpose with the project is to make co-operation in care issues deeper between the municipalities on the Swedish and Finnish side in order to bring about right quality and a possibility for patient to choose in the border region.

Objective is to increase flexibility for inhabitants in the region by securing a good health care, better use of existing resources, strengthen cooperation as well as increasing information between different health care operators in the region.

Intermediate goal in phase 1 is that:

1. A number of cooperation projects has been identified and realized by specification as well as prioritized.
2. Possibilities and conditions for freely care choice is make clear.
3. Education in common terminology has been planned in health care.
4. Common health care programme in emergency and heart medicine has been made clear and evaluated.

5. Make a survey of routines and possibilities for information transfer between countries.
6. Explain the issue about laws, decree and reimbursement.
7. A number of simpler activity changes have been realized.

**Project time**

2008-09-01 - 2009-04-30

**Date for decision**

2008-10-09

**Grant amount**

207 601 euro

**Public co-financing:** Nordkalotträdet 20 040 euro, Norrbottens läns landssting 51 559 euro, Lapin Liitto 33 400 euro, Tornio, Ylitornio, Pello, Kolari, Muonio och Enontekiö kommuner 33 400 euro

**Total budget**

346 000 euro

**Project leader**

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## **Project: Boundless 2009**

**Lead partner: Svefi Academy**

**Partners ;** Kemi-Torneå University of Applied Sciences, Lappia Vocational College

### **Background**

Sverigefinska Vocational College (Svefi) in Haparanda, Kemi-Torneå University of Applied Sciences (KTUAS) in Kemi/Tornio and Lappia Vocational College in Tornio has for several years tried to start cooperation between schools in the field of culture. The demand for cooperation is mainly from students and teachers at the schools since the knowledge, competence and facilities that are available differ between them and a common use of resources would contribute to all schools improvement of qualifications in culture related study programme. By different reasons has no arranged cooperation started in spite several attempts and common planning meeting.

In February 2008 a work shop was carried out together with students and teachers from the culture related study programme from Svefi in Haparanda, Kemi-Torneå University of Applied Sciences and Lappia Vocational College. As a result from the workshop it came out a number of activities that the involved schools could make together. It would to contribute so that the management, teachers and students in schools get to know each other better, can see what resources other schools have and can see the potential in long term cooperation cross the border. Those activities mainly constitute of different types of common, exiting, cross border and creative workshops and events that youth themselves have proposed. An increasing cooperation between the schools would even broaden students cultural platform and they could exchange experiences that they otherwise would miss.

### **Objective and aim**

Schools taking part will with this project contribute to getting youth in the border region closer each other. At the same time shall the schools increase their knowledge in, look into and compare how teachers work in both side of the border. They will also study each others experiences, create possibilities for cooperation and take care of each others resources within culture related study programmes at school. It's about which opportunity there is to engage external experts together in certain fields in order to divide costs.

The long-term objective with the project is that youth in border region of Haparanda-Tornio can find natural ways to be together and get to know each other at the same time as cooperation between schools and students within culture related study programmes at school will continue after the project and will have space in regular activity in schools. In a long-term recruiting of students from each other countries can also increase as well as culture manifoldness and acceptance.

This will also give youth greater opportunity to stay in the region. Finally hope is that a future cooperation between schools also can contribute to activities that will be showed to public in forms of different culture activities at the border. This would make Haparanda-Tornio to a more attractive student and culture city with cross border cooperation that creates interesting activities for visitors and inhabitants to take part in.

**Project time**

2009-01-01 – 2010-12-31

**Date for decision**

2009-01-29

**Grant amount**

47 384 euro

**Public co-financing:** Sverigefinska folkhögskolan 15 800 euro, Kemi-Tornio University  
10 516 euro, Lappia Vocational college 5 300 euro

**Total budget**

79 000 euro

**Project leader**

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## **Project: Detailed inundation planning in the lower part of Tornio River**

**Lead partner: Lapland Regional Environment Centre**

### **Partners**

Lapland District Survey Office  
Swedish Rescue Services Agency  
SMHI

### **Background**

Since the 70's has Finland and Sweden co-operate in connection to the inundation in the mouth of Tornio River. A series of major damages after spring flooding as well as ice in 1984 lead to the first investigation and prognostication of the situation in Tornio River. Tornio River has almost yearly inundation often with major damages as a consequence. By town and country planning and as a preventive measure as well as effective and relevant rescuing during an acute flooding situation can damages be of limited extent. Clear and detailed inundation maps are a means of assistance in this work. The maps show which areas that are threatened by flooding when high flow of water. Maps produced in the project will be used for making maps of the risk areas that directive says. They will be used for town and country planning, Rescue Services Agency's overall inset planning and programme for handling inundation risk. Problem with flooding in Tornio River is often linked to ice damming up. Therefore it is important to study those problems in order to improve prognosis for flooding. Today it's difficult to make prognosis for ice damming up, to say where it will happen, how much will the water rise and when the ice will let go. There is lack of data and the prognosis there are made today consists of data only from the lower part of the river.

### **Objective and aim**

Main purpose with this project is that municipalities and concerned authorities on both sides of Tornio River can meet an inundation with as small damage for society as possible. This will be done by Finland and Sweden in a common thorough investigation of areas threatened by flooding along Tornio River as well as informing, education and exercise with people concerned in Rescue Services Agency.

**Project time:** 2009-04-01 – 2012-03-31

**Date for decision:** 2009-01-29

**Grant amount:** 642 197 euro

**Total budget:** 1 117 913 euro

**Public co-financing:** Räddningsverket 70 504 euro, SMHI 102 737 euro, Lantmäteriet 14 448 euro, Länsstyrelsen i Norrbotten 18 935 euro, Lapplands miljöcentral 221 507 euro

**Project leader:** Kari Porsanger, +358 20 690 173, **E-mail:** kari.posanger@ymparisto.fi

## **Project: The North in the Barents region**

**Lead partner: Luleå University of Technology**

**Partners; Oulu University, Tromsø University**

### **Background**

In European Union it's of crucial important that knowledge about regions in different parts of the world. The Barents Region is an enlarged area for Nordic solidarity but with different conditions for the Russian part compared to the Scandinavian part. Those big differences in living conditions and culture change in a long-term the daily life for inhabitants in the Nordic part. The need for a historical analyze is therefore of great importance both for understanding of similarities and differences between different parts of the region as well as for seeking a new kind of Nordic identity.

In the year 2002 a network for researchers as well as research about modernising in Barents region was worked out by an initiative from Luleå technical university. One of the basic ideas was to write a common history book about Barents region from the ongoing research in the region. All historical institutions at universities in Barents region is part of the network. The network has for that reason a character of pioneer activity within the North and European Union. In fall 2007 Luleå technical university was granted funds from Interreg IIIA Kolarctic for a preliminary investigation with purpose to work out organizational possibilities and financing way for producing a historical book for education as well as an encyclopaedia with web publishing about Barents region. The Nordic humanistic and social science research about Barents region is still in its beginning, that's why there is a big need for international knowledge in this area.

### **Objective and aim**

The purpose with the project is to strengthen the regional cooperation between universities in northern Sweden, Finland and Norway and to increase their international competitiveness. The project will also enlarge level of knowledge among citizens and students. The project will create a lasting co-operation within history and social science between universities with connection to Barents region. The project will also produce a history book and an encyclopaedia of the region.

**Project time:** 2008-11-01 – 2011-10-31

**Date for decision:** 2009-01-29

**Grant amount:** 215 940 euro

**Norwegian IR-funding:** 82 094 euro

**Public co-financing:** LTU 29 205 euro, Kulturfonden Sverige-Finland 14 237 euro, Vetenskapsrådet 56 621 euro, Nordiska ministerrådet 11 602 euro, Länsstyrelsen i Norrbotten 6 350 euro, Länsstyrelsen i Västerbotten 6 879 euro, Lapin Liitto 19 067 euro, Norges forskningsråd 26 458 euro, Barentssekretariatet 36 587 euro, Nordlands fylke 6 350 euro, Troms fylke 6 350 euro, Finnmark fylke 6 350 euro

**Total budget:** 524 089 euro

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## **Project: Roads to Ruija**

**Lead partner: Museum of Norrbotten**

### **Partners**

The Provincial Museum of Lapland  
Museum of Varanger  
Museum of Nord Troms  
Institute of Kven

### **Background**

In both Sweden and Norway are ongoing processes of cultural vitalizing in order to strengthen position and identity for “kväner” and “tornedalingar” as national minorities. With this process has an increasing awareness about the importance of documenting history and culture heritage of these minorities – a task for museums.

### **Objective and aim**

By travelling exhibitions participating institutions intend to initiate and develop possibilities for cross border cooperation between five regional institutions in North Calotte. Parties see the exhibition as a pilot project that correspond to the need for developing tools and methods as well as competence that can be used to initiating future project linked to the common heritage in North Calotte.

Purpose with the project is through travelling exhibitions present how Finnish speaking people has migrate to Ruija (Finnmark). The exhibition is based on documentation from Finland, Sweden and Norway. With this purpose the parties wish to contribute to the ongoing revitalize of both culture and language in Sweden and Norway.

**Project time:** 2009-09-01 – 2012-08-31

**Date for decision:** 2009-05-28

**Grant amount:** 131 655 euro

**Norwegian IR-funding:** 84 750 euro

**Public co-financing:** Nordisk kulturfond 47 000 euro, Nordkalotträdet 25 000 euro, Norrbottens museum 29 722 euro, The provincial museum of Lapland 22 048 euro, Varanger museum 36 250 euro, Kvensk institut 6 250 euro, Nordtroms museum 6 250 euro

**Total budget:** 388 925 euro

**Project leader:** Ulf Renlund, +46 920 24 35 10, **E-mail:** ulf.renlund@nll.se

## **Project: Boundless care**

**Lead partner: Municipality of Inari**

### **Partner**

Municipality of Sörvaranger

### **Background**

On both sides of the border activity environment is characterized by long distances and a small population. The same problem is in social and healthcare sector. The number of elderly is large and increasing all the time. The population is living longer and longer why also illness and need for help is increasing. Services is few and elderly experience loneliness and insecure. The threshold for moving to a chief town (Kirkenes, Ivalo) far away from their own language and culture environment is lower than normal since the number of employees is low in rural areas.

### **Objective and aim**

1. To develop new, innovative activity models for cross border cooperation for elderly and home services.
2. To investigate need for services on both sides of the border and how the services can be developed in cooperation.
3. To compare how services that can support living at home has been solved in other places in South Varanger and Enare municipality.
4. To unite good ways of working and service models on both side of the border.
5. To develop personnel's all-round skills.
6. To achieve an agreement of cooperation between municipalities.

When the project is completed elderly in the border area will have opportunity to live longer in their own language and culture environment thanks to personnel's wider job knowledge and cross border cooperation. Through developing services that correspond to and are adapted to peoples need functioned safety net for elderly will be created with help of service strategies coordinated by municipalities.

**Project time:** 2009-08-01 – 2011-12-31

**Date for decision:** 2009-05-28

**Grant amount:** 50 280 euro

**Norwegian IR-funding:** 51 900 euro

**Public co-financing:** Lapin Liitto 14 254 euro, Nordkalottrådet 13 966 euro, Inari kommun 5 300 euro

**Total budget:** 187 600 euro

**Project leader:** Reijo Timperi, +358 16 687 200, **E-mail:** reijo.timperi@inari.fi

## **Project: Development of an Internal Waste Market in the North Calotte**

**Lead partner: Tekniska Verken i Kiruna**

### **Partners**

Perämeren Jätenhuolto Oy  
Lapin Jätenhuolto Kuntayhtymä  
Napapiirin Residuum Oy  
Hålogaland Ressurselskap IKS

### **Background**

From the project “Refuse transport in North Calotte area” that was granted from Steering Committee in June 2008 this is a further development that include refuse logistic over the entire North Calotte including Finland. Presentation of the problem is still the same – waste is growing together with transport. For the moment has transport system for waste economic as well as environmental shortage. Lorries don’t have a sufficient maximum load and utilization of capacity. A improved logistic structure that consist of all countries in North Calotte is supposed to generate economical and environmentally advantages.

### **Objective and aim**

The purpose of this project is to identify the condition for an integrated waste logistical market for the North Calotte - independent of national borders. The project work will form the basis of an increasing cooperation in handling refuse by focusing on improvement in environment and logistic.

The aim is to identify the most important economical and environmentally challenges in this market as:

8. Balanced goods flow and capacity use in present transport system
9. Suggestion to alternative transport solution and structure

**Project time:** 2009-05-01 – 2010-05-31

**Date for decision:** 2009-05-28

**Grant amount:** 86 667 euro

**Norwegian IR-funding:** 28 889 euro

**Public co-financing:** Tekniska verken i Kiruna 16 261 euro, Perämeren jätehuolto Oy 3 604 euro, Lapin jätehuolto kuntayhtymä 3 500 euro, Troms kraft AS 8 880 euro

**Total budget:** 202 223 euro

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## **Project: Mara Nord**

**Lead partner: Rovaniemen Koulutuskuntayhtymä (RAMK)**

### **Partners**

Oulun seudun koulutuskuntayhtymä (OAMK)

Lapin tiepiiri

Vägverket

Statens Vegvesen Region Nord

### **Background**

Some areas of expertise in the Nordic countries have developed better and further than others. One of such example of cutting edge expertise, knowledge skills and development of tools is in Ground Penetrating Radar (GPR) method. The main concentration of the skills and knowledge (even in level of world leading expertise) are in Finland, especially in Rovaniemi. Some research groups, producers and contractors like Sintef, VTI, 3D Radar and NCC Roads are in Sweden and in Norway. And the interest in Sweden and Norway now is growing rapidly. The potential has been recognised.

Due to the different level of application, level of knowledge and awareness about the equipments and the method for application, it is hard for companies to compete in the Nordic market. Also the levels of knowledge, awareness and experience regarding the use of GPR in the Road Administrations are different in all the three countries. There is a need to share the knowledge and develop common procedures to insure better quality of services for the road administrations and also to make cross-border business possible. The research results has to be updated, information gap evened and know-how disseminated evenly across the borders and across the business to promote the expertise even further.

### **Objective and aim**

The project overall is to boost the cooperation between the Nordic road administrations, research units and the business sector on the use of GPR in road rehabilitation planning.

All Road administrations consider this as strategically important from their perspective although in very different levels. The project is built so that it responds to each interest groups needs with different WP's.

To reach the overall objective the project has identified next steps:

To even out the knowledge gap:

Firstly different levels of training will be developed and carried out. It is necessary to disseminate the know-how to understand the GPR method better.

To make the cross-border business easier:

Recommendations for harmonising the procurement requirements and procedure will have to be developed and agreed upon.

To further promote the cutting edge expertise:

A research on development of the method (past-present-future) will be carried out (1 these work). The research will include several aspects and the findings will be used to update the recommendations at the end of the project.

To respond to the changes that has happened in asphalt mixture and GPR method developments to get the best possible results further tests of the method itself are required. 10 years is a long time in current pace and many changes have taken place. The guidelines that where written 10 years ago are in need for updating.

Combining the different work packages the project will boost the cooperation between the research, road administration and business sectors. Also the new network as such will be of a value to develop further as a strong expertise.

**Project time** 2009-10-01 - 2011-12-31

**Date for decision** 2010-01-14

**Grant amount** 368 229 euro

**Public co-financing:** Vägverket 50 110 euro, RAMK 40 000 euro, Tiehallinto 40 000 euro, Lapin tiepiiri 14 650 euro, OAMK 7 000 euro, Lapin Liitto 61 444 euro, Nordkalottrådet 32 282 euro

**Total budget** 751 715 euro

**Project leader**

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## **Project: Boundless Care II - Torne Valley**

**Lead partner: County Council of Norrbotten**

### **Partners**

Municipality of Tornio, Ylitornio, Pello, Kolari, Muonio and Enontekiö

### **Background**

This project is phase 2 of the project "Free care choice within its functional region of the Torne Valley."

### **Objective and aim**

The purpose of the Boundless Care II - Torne Valley is to further deepen the interaction between health care centres in the municipalities in the Finnish and Swedish Torne Valley in order to achieve the right quality of care and free care choice for patients in the region. The main goal of this project is to create conditions for increased mobility for the region's residents by ensuring a good health care regardless of workplace and residence, more efficient use of healthcare resources that already exist, to strengthen cooperative relations and to increase information transfer between the region's various health care players. The interim targets for Boundless Care II Torne Valley is to:

- implement a number of priority cooperation projects
- implementation of an education in common terminology
- create common guidelines for treatment of acute medicine
- begin the transfer of information between health care in countries

**Project time:** 2009-10-01 - 2011-07-31

**Date for decision:** 2009-10-23

**Grant amount:** 607 715 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 28 570 euro, Nordkalotträdet 50 000 euro, Tornedalsrådet 19 046 euro, Norrbottens läns landsting 137 606 euro, Tornion kunta 17 998 euro, Ylitornion kunta 17 998 euro, Pellon kunta 17 998 euro, Kolarin kunta 17 998 euro, Muonio/Enontekiön kunnat 17 998 euro

**Total budget:** 1 013 872 euro

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## **Project: Gaze towards Arctic**

**Lead partner: Pohjola-Norden Lapin piiri ry**

### **Partners**

Föreningen Norden, Norrbotten  
Nordisk informationskontor i Nord-Norge

### **Objective and aim**

The project's Gaze towards Arctic looking for Associations' Nordic countries together with other stakeholders solutions to bring new residents to feel at home so that municipalities, businesses and people in a better way to welcome newly arrived health. The project surveyed already proven path and with the help of these seek appropriate solution models for the whole skull-cap area. The aim is to ensure a good reception for the immigrant so that North Calotte area perceived attractive to live and work in.

The project aims to:

- Improve the area's readiness to accept new labour
- Increase policy makers and residents' awareness of conditions that affect the well-being of immigrant in the region so that they stay fixed accommodation in their new homes.
- Lowering the threshold for the acceptance of minorities and new northerners as part of society.
- Improve local communities and organizations prepared to meet foreign cultures. Nordic Associations can through this activities act as a pioneer in promoting immigrant adaptation in the region.

**Project time** 2009-06-01 - 2011-05-31

**Date for decision** 2009-12-22

### **Grant amount**

91 090 euro

### **Norwegian IR-funding**

6 590 euro

**Public co-financing:** Nordkalotträdet 12 600 euro, Föreningen Norden – Norrbotten 3 460 euro, Lapin Liitto 21 800 euro, Pohjola-Norden 28 460 euro, Föreningen Norden – Nordnorge 2 400 euro

### **Total budget**

187 300 euro

### **Project leader**

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## **Project: The Arctic Ocean way (Ishavsbanen)**

**Lead partner:** Tornedalsrådet

**Partners:** Municipality of Storfjord

### **Background**

In Kolari / Pajala area are major ore deposits and the company Northland Resources plans for future mining. The company is exploring various options for transportation of ore; including Kemi (Finland) in the Gulf of Bothnia has been mentioned as an option. Gulf of Bothnia (Kemi) has some difficulties with ice problems in winter and deep conditions that allow larger ships have a hard time walking in there. Skibotn in Troms is relatively close to the Finnish border and an ore company has expressed interest in using rail transport to Skibotn. There is no railway there in the current situation but could be built between Kolari and Skibotn (The Arctic Ocean way). Skibotn can offer a deep, ice-free port, with the Finnish track gauge, and that can mean a significant advantage when large bulk cargo (ore) to be shipped to distant markets, for example to Asia. There is a need for a survey of what other market opportunities an Arctic Ocean way would mean.

### **Objective and aim**

The project aims to investigate and identify other operations - in addition to iron ore - which could be carried on the planned rail route, and which other business-oriented and evolutionary opportunities and synergies, a railroad would mean. For further work, it is important to explore and describe the full potential by evaluate and analyze the Arctic Ocean way opportunities and obstacles. To do market research and segmentation analysis of the Arctic Ocean way, comparing ice conditions and transportation facilities with the Gulf of Bothnia, to do market survey for the needs of Finnish industry if the way becomes a reality. Develop plans for the future operation of the way.

The project's main objective is to investigate and document possible transport streams for this track alignment, regionally, nationally and internationally. The project will provide concrete information on the particular ice conditions in the Gulf of Bothnia, the effects of industry and environmental indicators.

**Project time:** 2010-06-30—2011-06-15

**Date for decision:** 2010-10-20

**Grant amount ERDF:** 49 838 euro

**Norwegian IR-funding:** 34 392 euro

**Public co-financing:** Tornedalsrådet 8 050 euro, Kolari kommun 5 000 euro, Enontekiö kommun 5 000 euro, Muonio kommun 5 000 euro, medverkande kommuner 5 177 euro, Lapin Liitto 5 000 euro, Troms fylkeskommune 30 488 euro, Storfjord kommune 11 569 euro

**Total budget:** 167 180 euro

**Project leader:** Peter Hagström

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## **Project: Forestry Impact and water management in Torne International River basin**

**Lead partner:** County Administrative Board of Norrbotten

### **Partners:**

Skogsstyrelsen

Centre for Economic Development, Transport and the Environment

Metsähallitus

Lapin Metsäkeskus (Lapland “Forestry Centre”)

### **Background**

Forest industry is the human activity which, because of their large areas has the largest negative impact on lakes and rivers in northern Scandinavia. Different forestry activities such as drainage, fertilization, felling and scarification charged lakes and streams with sediment, nutrients and metals. Historically, rivers straightened and cleared to facilitate the log-driving. This has led to large-scale physical and morphological damage to water environments, which include a position and play areas and spawning-ground for fish disappeared. Construction of dams in the context of log-driving has led to important migration routes for different species of animals turned off.

Finland and Sweden decided in 2009 on a joint management plan and an Action Programme for International Torne River basin. The program identifies environmental problems as a result of physical and morphological changes as the main problems in the area. The problems are usually caused by timber log-driving and in that the floating unions ended is currently no organization that is responsible for the renovation. To get started with concrete steps is now required a detailed assessment of the measure needs and a common priority of action items on both sides of river. Through a broad collaboration the actions plan to be anchored in the area.

Based on experience gained from previous cooperation projects (TRIWA) participants have come to the conclusion that a joint action plan forms an essential basis of local authorities and interest groups can work with to get started with practical cooperation and concrete measures to improve water environments. The project will contribute to achieving the objective good ecological status in 2015 for the Torne River Basin.

### **Objective and aim**

The project aims to develop a joint Finnish-Swedish plan of action for the recovery of aquatic environments in the Torne River's international river basins, and strengthen collaboration between actors involved in the work in the water in this area. The project focuses on actions related to historic and contemporary effects of forest industry in the region.

The project involves mapping the environmental status and action needed in tributaries, evaluating the environmental reason for forest industry in aquatic environments and detailed action plans for two tributaries of the river basin level.

The goal is a concrete and detailed action plan that can be used by regional authorities, municipalities, associations of fish and fisheries at the restoration of streams affected by forestry. The action plan should be anchored among local and regional actors along the Torne River so that future action will work as efficiently as possible.

Another target is to harmonize the national assessment tools and a common vision for the

measure needs in the Torne River tributaries. The long term goal of the Action Plan is to improve conditions for migratory fish like trout and salmon, which in turn can benefit the fishing and tourism. Other species associated with running water, such as mussels, benefit from measures that improve habitat for fish.

**Project time**

2011-01-01—2013-12-31

**Date for decision**

2010-10-20

**Grant amount ERDF**

485 460 euro

**Public co-financing:** Länsstyrelsen i Norrbotten 175 400 euro, Skogsstyrelsen Region Nord 22 440 euro, Lapin elinkeino- liikenne- ja ympäristökeskus 125 800 euro

**Total budget**

809 100 euro

**Project leader**

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## **Project: Dance & Performing Arts – Arctic Dance Circle**

**Lead partner:** Municipality of Skellefteå

**Partners:** Municipality of Piteå, JoJo Oulu Dance Centre, Pyhäsalmi Dance federation

### **Background**

In recent decades, interest in dance and movement-related arts (performances, installations, and circus) has increased markedly. In the northern regions of Sweden, Norway and Finland it has among others resulted in local and regional efforts in dance education for children and young people, extending the association of life amateur dance activities and the establishment of professional dance training, venues and festivals where the new performing arts are presented. Despite a rapid and positive development, it is still far from the northern regions of dance and performing arts environment similar to that in big cities.

For both artistic and cultural and regional political reasons, the applicants think that it is important to offer young dance / performing arts actors' good opportunities for development in their region. It is also important that any work created by leading and / or most innovative dance / performing arts actors presented on scenes of the region. Through our own production, regular meetings with other dance and performing arts and art created in other parts of the country / world, the northern regions of young dance and stage artists get an opportunity to place themselves, find inspiration, get new knowledge and build important networks. For the audience involves regular meetings with new performing arts that experience of one's own place is interlinked with other places and in interaction with their contemporaries is strengthened. This in turn contributes to both the residents as people outside the region perceive the field as vital and dynamic. These are factors that often are associated with creativity and success.

### **Objective and aim**

The planned project will

- broaden the area's recreational activities / selections for young girls / women and boys / men
- be a base for regional dance and performing arts interested young
- strengthening the links between the region's dance and performing arts interested youth and professional dance and theater actors
- developing inter-regional cooperation for the production and distribution of dance and performing arts
- improve media coverage of the region's dance and performing arts activities
- secure the scene, the artists' ability to work in the region with networking as a key factor affecting the area's development

The project aims to

- the area offers dance and performing arts interested young people good opportunities for artistic development
- there is an inter-regional platform / framework for regular exchanges and collaborations between the area's dance and performing arts interested youth and professional dance and theatre actors
- people feel that the area's dance and performing arts are connected over regional and nation borders

- area residents can take part of a continuous range of dance and performing art-oriented regional productions, workshops and seminars

**Project time**

2010-11-01 - 2013-10-31

**Date for decision**

2010-10-20

**Grant amount ERDF**

551 821 euro

**Grant amount Norwegian IR-funding**

130 056 euro

**Public co-financing;** Skellefteå kommun 228 865 euro, Piteå kommun 93 765 euro, Lapin Liitto 51 337 euro, Kirke- och kulturdepartementet 43 352 euro, Norskt kulturråd 43 352 euro, NLD 43 353 euro

**Total budget**

1 292 375 euro

**Project leader**

Maria Rydén

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## **Project: Music on top 2**

**Lead partner:** Norrbotten County Council, Norrbotten Big Band

### **Partners**

The city of Oulu – Oulu Sinfonia,  
Nordnorska landsdelsmusikerordningen

### **Background**

The Music on Top-project in the first period 2008-2011 has made a basis for cooperation. That project initiated by Norrbottensmusiken / Norrbotten Big Band has been successfully implemented, but it takes a few more years of supportive activities to create sustainable partnerships. In the phase two of Music On Top-project the connections between the finest cultural actors in the musical culture area in North Calotte area will be strengthened. Common activities refined and new business creation, Music on Top Phase two is a success factor for a wider and permanent cultural cooperation in the North Calotte area in the future. When the structured cooperation is fully integrated into the existing organizations, then the project has reached the long term goal - a highly successful cross-border cooperation that continues to expand and evolve by itself for years to come.

### **Objective and aim**

The main goal for Music On Top is to link the music life in the Nordic area of Norway, Sweden and Finland together. The project will develop the culture to a regional profiling, where the overall music skills in the North Calotte area are safeguarded and developed.

In the phase two of Music On Top-project the structures will settle. The networks for cooperation will become solid and natural so they can last in a long term perspective for many years in the future.

In year 2011-2014 the project will focus on four main activities to achieve the goal:

1. a) YOUNG – Youth Big Bands
1. b) YOUNG – Women in jazz
2. ENSEMBLE COLLABORATION
3. PRODUCERS NETWORK
4. BARENTS FORUM

**Project time:** 2011-08-01 - 2014-06-30

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 498 000 euro

**Norwegian IR-funding:** 285 000 euro

**Public co-financing;** Norrbottens läns landsting 98 000, Luleå kommun 98 000 euro, Oulu stad 136 000 euro, Troms fylkeskommune 142 500 euro, Nordlands fylkeskommune 99 750 euro, Finnmarks fylkeskommune 42 750 euro

**Total budget:** 1 400 000 euro

**Project leader:** Peter Hauptmann, **E-mail:** [peter.hauptmann@nll.se](mailto:peter.hauptmann@nll.se)

## **Project: Preproject railway Rovaniemi-Kirkenes**

**Lead partner:** Northern Lapland municipal

**Partners** Kirkenes Naeringsshage AS

### **Background**

The opening of the northern sea routes, the gas and oil reserves in northern Russia and Norway and the plans to privatize the Trans-Siberian railway are changing global transport routes. Northern Finland's new mining projects will also increase freight transports significantly. These changes have raised discussion about building a Finnish railway connection to the Arctic Ocean as an alternative transport route between Europe and Asia.

A preliminary study on the Rovaniemi-Kirkenes connection was completed in February 2010. The study assessed the starting points of the Arctic railway, described the region covered by the plan and its transport system, proposed alternative railway lines and construction costs and estimated current transport needs and the impact of international logistics. Feedback regarding the preliminary study has been positive and it has captured broad attention in both Finnish and Norwegian media. It has also been taken into consideration in Finland's arctic strategy and in Norway's report dealing with northern railway corridors.

It is necessary to supplement the preliminary study to obtain a more realistic picture of the Rovaniemi-Kirkkonieimi railway strategy and to be able to assess whether industry and commerce, the region, Finland and Norway express approval for continuing implementation of the strategy. It is also important to compare the railway connection with the road connection; the advantages and disadvantages of both transport modes and the minimum freight volumes that would make rail transports more cost-efficient. What investments would road transports require with different transport volumes?

The objective of this project is to determine whether there are realistic grounds for continuing implementation of the Rovaniemi-Kirkkonieimi railway strategy, or should emphasis be placed only on developing road connections. After the project the commitment of industry and commerce and other stakeholders at the local, regional and national levels will be known and the necessary planning processes and funding models related to the construction of an international railway connection will be identified.

### **Objective and aim**

The overall project objective is to support the development of a transport corridor between the Baltic and Barents region. Corridor would open up new transport opportunities for mining companies and other companies as well as a connection to the northern sea routes. It would also increase employment in the region considerably, and develop cross-border cooperation in many sectors.

Goals of the preliminary project:

- obtain a realistic picture of the international and national grounds that may support construction of a railway from Rovaniemi to Kirkkonieimi
- compare differences between and development thresholds of road transports and railway transports
- identify necessary planning processes and funding models

- increase awareness of the railway project at the national level in both Finland and Norway

**Project time:** 2011-03-01 - 2012-03-31

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 22 500 euro

**Grant amount Norwegian IR-funding:** 12 500 euro

**Public co-financing:** Lapin Liitto 3 750 euro, Pohjois-lapin alueyhteistyön kuntayhtymä 5 625 euro, Rovaniemen kaupunki 5 625 euro, Finnmark fylkeskommune 5 000 euro, Sörvaranger kommune 3 750 euro, Kirkenes næringshage 3 750 euro

**Total budget:** 62 500 euro

**Project leader:** Timo Lohi

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## **Project: Northern network climate change**

**Lead partner:** Municipality of Jokkmokk

**Partners** Norrbottens Energikontor AB (Nenet), Oulukaaren kuntayhtymä (Oulu Arc Subregion), VINN, University of Troms, University of Lapland

### **Background**

The North Calotte Area will face similar challenges and opportunities in the field of climate and energy. Therefore, transfer of best practices, methods and tools of high importance. In each partner region, there are different strategies and tools being developed to meet the challenges ahead and each region and each partner has their own areas of excellence.

Climate change is a serious threat to the future development of Northern Europe. Important branches of industry such as forestry, energy, tourism and reindeer husbandry will be affected most and first. But so far, awareness and knowledge about adaptation is low. On the other hand, provides an environmentally-driven growth in areas such as bio-energy and environmental technologies and improved energy efficiency of new opportunities for the region. Here there is a lack of knowledge in the public sector and in companies to launch a broad strategic effort.

The project creates a transnational forum to be able to tackle challenges in the energy and climate in the region. The network includes both communities, young researchers, and also companies and leading research institutions (eg Universities of Tromsø and Rovaniemi).

Jokkmokk Winter Conference will be developed through the preparatory meetings and workshops in Norway and Finland, through close cooperation with the Sami community, by involving industry and municipalities, including as mentors and potential employers of young people. The conference will offer new opportunities for regional players to meet and exchange experiences and create partnerships.

### **Objective and aim**

The project aims to bring together local and regional actors in cross-border cooperation to tackle common challenges such as population growth, how to use natural resources in a sustainable way and how to preserve the Sámi cultural heritage in a changing climate. One of the main goals is to share experiences and educate municipalities, authorities and opinion leaders on future climate and energy issues throughout the region. The project thus aims to transfer scientific results into practice and improve cooperation between different research institutions, municipalities, businesses and other stakeholders.

Native traditional knowledge of sustainability will be included in all activities. For the project it is also important that the region's young people can participate in awareness-raising activities on environment, climate and energy. The main objective of the project is through cross-border cooperation get municipalities to act more in a sustainable manner. The project will develop the local variety of new and specific tools (guides, tutorials, templates, whatIf scenario tool) for a strategic work in the energy and climate for the different target groups (municipalities, businesses and schools) By raising environmental awareness among the so-called stakeholders, municipalities adapt better to climate change and establish sustainability issues as part of various planning processes. The project aims also to raise environmental

awareness and participation among the region's young people to be able to meet tomorrow's challenges.

**Project time:** 2011-01-01 - 2013-12-31

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 277 510 euro

**Public co-financing:** Jokkmokks kommun 29 800 euro, Övertorneå kommun 17 400 euro, Norrbottens läns landsting 105 720 euro, ELY-keskus 24 030 euro, Oulunkaaren kuntayhtymä 8 070 euro

**Total budget:** 622 658 euro

**Project leader:** Wolfgang Mehl

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## **Project: Boundless Bothnian bay**

**Lead partner:** Metsähallitus, Natural Heritage Services

### **Partners**

Municipality of Skellefteå, Luleå, Piteå, Kalix and Haparanda in Sweden  
Municipality of Oulu and the towns of Kalajoki and Kokkola in Finland  
Kemi-Tornio development company, Iilaakso Oy, Bothnian Arc

### **Background**

In the North Calotte area, tourism is a major source of revenue and tools for regional development. Gulf of Bothnia region has much potential and opportunities to develop into an attractive object for both tourism and other business investments. A well-developed infrastructure of the coast along with well maintained roads and railways, together with ever increasing air links make the area easily accessible. In addition, its unique nature, a force: the maritime area is still fairly clean and in year-round use, thanks to guarantee safe ice.

Currently, however, the maritime area is not seen as a single tourist destination and this weakens significantly the region's tourism opportunities now and in the future. In addition to the preceding, it is a relatively small part of the local residents who use the sea area for recreation. One can rightly say that the ocean is currently underutilized. This is because of a number of reasons where most important is in discussions identified as lack of cooperation. Cooperation within the region are small and occasionally difficult due to regional and other strategic alignments including of companies and municipalities. Despite several cross-border measures, cooperation across the border usually been temporary and its intensity has varied depending on available resources and interest and activity by tourism developers. Barriers to cross-border cooperation can only be disclosed when the various sectors and transnational actors work together towards a common goal.

In addition to the activation of co-operation you must work for increasing the appreciation for the sea and the items and service it offers among local people and local decision-makers. Increased appreciation would increase the sense of community within the region along with greater regional identity. The increase of awareness regarding the ocean leads to increased economical, ecological and health effects and also affect biodiversity (eg natural knowledge) and ecosystem services. If one sincerely seeks the cooperation of Boundless Bothnia Bay which is widely known even outside the region both as a visit object and an area for cross-border cooperation, one must pay special attention, in developing the uniform services. It is through the consistent development one can ensure that visitors experience the services within the region represent a sufficiently high level of quality. Most of the above mentioned challenges for cross-border maritime cooperation have also been found in the EU Baltic Sea Strategy as well as in tourism strategies in Lapland and Ostrobothnia and in Norrbotten Bothnia Bay Archipelago national projects and policies.

### **Objective and aim**

The overall project goal is to create the Gulf of Bothnia as borderless. To build cross-border cooperation in the maritime area requires that the network between stakeholder groups in the public and private sector are being strengthened and that cooperation between NGOs strengthened. In addition, the goal is to establish a permanent forum for the coordination and strengthening of the maritime cooperation, which in turn increases the above network construction but also the sustainability of developments. The project aims also to raise

awareness of the Gulf of Bothnia potential. ie. what the sea has to offer. The project has also intended to improve the current information delivery and offer comprehensive information about the region, objectives, services and events in a user-friendly form. The intention is also to jointly improve services and develop services, availability, and business concepts in close cooperation with maritime organizations, yacht clubs and other interest groups around the Gulf of Bothnia.

**Project time:** 2011-05-01 - 2014-04-30

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 645 600 euro

**Public co-financing:** Skellefteå kommun 16 100 euro, Luleå kommun 10 500 euro, Piteå kommun 5 800 euro, Kalix kommun 2 400 euro, Haparanda stad 1 500 euro, Bothnian arc 20 000 euro, Länsstyrelsen i Norrbotten 52 600 euro, Norrbottens läns landsting 35 100 euro, Region Västerbotten 16 100 euro, Metsähallitus 36 240 euro, Oulu stad 36 000 euro, Kemi-Tornio utvecklingsbolag 36 000 euro, Kokkola 24 000 euro, Kalajoki 24 000 euro, Ii 24 000 euro, Bothnian arc 30 000 euro, Lapin Liitto 60 000 euro

**Total budget:** 1 075 940 euro

**Project leader:** Mirva Leppälä

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## **Project: Development of cooperation between administrative authorities in Tana river valley 2011-2013**

**Lead partner:** ELY centralen

**Partners** Norwegian Water Resources and Energy Directorate

### **Background**

Tana River is a free-floating border-river between Finland and Norway. The river is located in Finland in the Lapland province north of Utsjoki and Inari municipalities and in the middle of Finnmark county in Karasjoki, Tana and Kautokeino municipality area in Norway.

The importance of Tana River as a tourist destination and recreation area for local people is important. River in the subarctic environment with clean water and rich with salmon is an attractive tourism objects. Nowadays there is a danger that the river's unique character is being obscured by the tourists as the delicate and beautiful views over the river on both the Norwegian and the Finnish side is about to get behind dense shrubbery. Especially one experiences Nuorgam area depressing and dirty. The second factor that reduces the amenity of the area is perceived as erosion protections that are built in the 1980s - and 1990s, which is not treated landskapsarkitekturisk. Especially erosion protection in Nuorgam have been perceived as massive and ugly when viewed from the Norwegian side.

EU Flood Directive requires special attention to watercourses flooding. Flooding Directive's implementation has already begun in Finland and in Norway. Both countries are trying to implement the three phases of the Floods Directive (Preliminary assessment of flood risk, flood risk maps and risk their control plans) in collaboration and cooperation has so far been succesful. At preliminary identification of flooding risks charts the significant areas in the valley. The ongoing assessment of flooding puts Nuorgam area as a significant local flood risk area. With regard to the national level, then it is not to appointed as area of significant flood risk area, which means that it will not developed maps for the area in the implementation of the Floods Directive. As a rough outline that is developed to help the preliminary survey, there is a need for more precise mapping of flooding risks in Nuorgam. While one can compare the Finnish and the Norwegian authorities' methods of production of flood maps and work out a model for the cooperation of flooding and its recommendations for action.

### **Objective and aim**

The project aims to deepen and develop the cross-border agency cooperation and improving co-operation network between actors in the region. The project collects data and experiences from Norway and Finland on erosion control and landscape adjustment. The project brings together material about the current state of the field, which may for example be of assistance in land use planning. The project will create experiences from different stages of the flood mapping and the maps of shooting modes between authorities.

The project aims to

- 1) conduct a test of an existing flood protection to try to adjust it in the landscape.
- 2) draw up a landscape plan for Nuorgam village.
- 3) develop a guide in English about the construction of erosion control with related landscape adjustment in sub-arctic conditions.
- 4) air photograph the river and processing the images so that they can easily be used by both

Governments.

5) photograph erosion objects that are mapped in the past to assess the erosion development.

6) Flood mapping of Tana river from Nuorgam to Polmak

**Project time:** 2011-04-01 - 2013-12-31

**Date for decision:** 2011-03-23

**Grant amount ERDF:** 187 200 euro

**Grant amount Norwegian IR-funding:** 121 823 euro

**Public co-financing:** Utsjoki kommun 10 000 euro, ELY 114 800 euro, NVE 121 823 euro

**Total budget:** 555 646 euro

**Project leader:** Niina Karjalainen

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## **Project: Travel center Haparanda-Tornio**

**Lead partner:** Haparanda Municipality

**Partners** Tornio Municipality, County administrative board of Norrbotten

### **Background**

Construction of a joint travel center is yet another step in increasing the cooperation between Haparanda and Tornio. The two cities with some 20 000 and 10 000 inhabitants respectively strive for finding the areas of cooperation that will strengthen the region. The planned travel center project is part of the HaparandaTornio vision 2020.

The fact that the two cities have their own bus stations is a considerable shortcoming and it hinders the establishment of a functioning and efficient public traffic system between Finland and Sweden. Furthermore, the existence of two separate bus stations implies that it is not possible to offer a good quality client service to travellers in the region who use public transportation means. Logistic side of the regular bus traffic suffers which implies, among others, time consuming and unnecessary trips of empty busses between the borders.

Competitiveness and attractiveness of the area will be increased by the construction of a joint travel center, the project being an integral part of the logistics hub HaparandaTornio. The travel center will also be connected to other transport junctions through bus communications to and from railway stations and close-by regional airports – KemiTornio, Kallax, Oulu and Rovaniemi.

The project brings together the labour market of the region through connecting Swedish and Finnish public traffic in one and thus provides a larger regional labour market which in turn provides better possibilities for the mobility of the labour force.

Today the shipment of commodities with the buses in Tornio and Haparanda is not managed in a rational manner and the planned travel center will synchronise this management. Even the taxi industry in Haparanda and Tornio will be connected to the travel center so that the whole travel experience will be made easy for those using public transport.

The planned travel center has been identified as a priority investment object both by the County transport plan for Norrbotten for the years 2010-2021 and by the Development plan for the traffic system for Kemi-Tornio region for the years 2010-2014 (Kemi-Tornio alueen liikennejärjestelmän kehittäminen- Aiesopimus 2010-2014).

### **Objective and aim**

The objective of the project is to connect the existing separate national public transportation systems in a functional international unit. The projects' overall objective is to:

- Connect the national public transportation systems in Finland and in Sweden in one international unit as well as increase the public transportation market shares.
- Facilitate the transportation of commodities by bus in HaparandaTornio.
- Broaden the labour market region and mobility of the labour force.
- Increase the international cooperation as well as the collaboration and establishment of networks between regional municipalities and enterprises.

- Increase prerequisites for tourism as well as the range of activities offered to visitors as well as the number of enterprises within the tourism branch.
- Ensure economical growth in the region HaparandaTornio and thus new job opportunities.

**Project time:** 2011-06-01 – 2013-12-31

**Date for decision:** 2011-06-23

**Grant amount ERDF:** 1 530 000 euro

**Public co-financing;** Haparanda Municipality 340 000 euro, Tornio Municipality 340 000 euro, County Administrative board of Norrbotten 850 000 euro

**Total budget:** 3 060 000 euro

**Project leader:** Fredrik Nestor, **E-mail** [fredrik.nestor@haparanda.se](mailto:fredrik.nestor@haparanda.se)

## **Project: Restoration of the freshwater pearl mussel populations with new methods**

**Lead partner:** Metsähallitus

**Partners** ELY-centralen, University of Jyväskylä, County administrative board of Norrbotten, Bioforsk Jord och miljö Svanhovd, Bioforsk Nord Holts.

### **Background**

Freshwater pearl mussels or mussels represent an indicator of the ecological state of the fluvial environment: an increased mussel population means natural fluvial environment. At the same time, the mussels are key organisms that clean fluvial waters by filtering them through their coelom thus ensuring a good living environment for many other species. A vital part of the mussels live cycle is ensured by salmon and salmon trout that act as a host for their larva. Thus measures aimed at the preservation of the mussels always imply protection of the living environment for the local fluvial population of salmon trout or salmon that migrate from the sea.

The species that have strict requirements towards their living environment are called “flagship species” within the framework of the environment protection work, as many other species benefit of their preservation. Freshwater pearl mussels are among the species mentioned in the EU habitat directive and enjoy state protection in Finland, Sweden and Norway. But despite this protection, freshwater pearl mussels’ population has considerably diminished almost in all areas where they are usually present. Proper vital populations can only be found in the Northern Fennoscandian Shield (also called Baltic Shield) and in the northern parts of Russia. The said areas have thus a decisive role for the preservation of the species as a whole.

### **Objective and aim**

The objective of the project is to:

- 1) Find new methods and solutions to stop decline of the sterile mussel population as well as test critical factors for its propagation.
- 2) Provide updated information about the preservation of the mussel population to both public and private sectors that through their decision-makers and through their activities can influence the situation of the fluvial environment.
- 3) Expand and deepen Nordic cross-border cooperation between the authorities in the fields of inventory, follow up and preservation of freshwater pearl mussels as well as develop this area through concrete measures aimed at stopping the decline of the mussel population.

The aim of the project is to:

- 1) Provide updated information about the reasons behind the decline of the mussel population as well as about the methods that aim at maintaining and restoring sterile populations. These methods can be used for preserving the mussel population within the whole EU.
- 2) Offer concrete information about the way to protect and restore the mussel population. This information will be presented in the final report of the project, in brochures drafted in several languages as well as during separate information sessions that would be organised within the framework of the project. The information that will be as comprehensive as possible, will be forwarded to state and local decision-makers as well as to both relevant public and private

actors that deal with preservation of the mussel population or with relevant research, or to the institutions that through their mandate and activities can influence the state of the fluvial environment.

**Project time:** 2011-06-01 – 2014-05-31

**Date for decision:** 2011-06-23

**Grant amount ERDF:** 511 948 euro

**Public co-financing;** County Administrative board of Norrbotten 26 041 euro, Lapin ELY-keskus 259 353 euro, Metsähallitus 9 588 euro, Lapin ELY-partnerirahoitus 12 900 euro, Jyväskylän yliopisto 33 417 euro, Research found for Northern Norway 160 040 euro, Troms fylkeskommun 30 000 euro, Finnmarks fylkeskommun 30 000 euro, Landsdelsutvalget 50 000 euro, Troms fylke 23 000 euro, Finnmarks fylke 21 000 euro

**Total budget:** 1 481 327 euro

**Project leader:** Matti Mela, **E-mail** [matti.mela@metsa.fi](mailto:matti.mela@metsa.fi)

## **Project: Cultural and business life in the North Calotte**

**Lead partner:** Föreningen Norden Norrbotten

**Partners:** Pohjola-Norden Lapin piiri ry, Nordisk Informationskontor i Nord-Norge

### **Background**

The North Calotte is known for its minerals, oil, gas and energy. At the same time, quite a few abandon the area, and many of those who work in the area are not willing to live permanently in the region. The project would like to focus on how culture can be used as to make North Calotte a more attractive place to live in. Cultural cooperation promotes understanding across the borders, stimulates innovation and growth in the region.

Since 1960, North Calotte conferences have been organised by the Finnish, Swedish and Norwegian association Norden at the request of the Nordic governments. Conferences became an important meeting place for the population, politicians, volunteer organisations and business representatives of the area. The North Calotte conference that took place in Harstad in 2012, was focused on culture and business life. The conference was aimed at highlighting how cultural initiatives can strengthen region's attractiveness and contribute to business development. Harstad is considered to be a cultural center in the Northern Norway and has hosted Northern Norway Festival since 1965.

### **Objective and aim**

The project aims at highlighting the significance of culture in the North Calotte as well as various opportunities that exist in this field. The project would like to promote successful examples of entrepreneurship and to present them during the North Calotte conference. The objective is to contribute to creating new jobs in the cultural sector in the region. Furthermore, the project aims at establishing a meeting place for young artists in the North Calotte.

The aim of the project is to determine how culture can contribute to the economic development, growth and attractiveness of the North Calotte. The project will particularly target young artists establishing new meeting places and networks in the North Calotte. New meeting places for culture and business representatives will also be created through seminars and expositions in cooperation with the established art and culture organisations. In addition, the project will also provide motivation to develop art critics in the North Calotte through invitations to various seminars.

**Project time:** 2011-08-01 – 2013-07-31

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 38 520 €

**Norwegian IR-funding:** 89 983 €

**Public co-financing;** Föreningen Norden Norrbotten 3 600 € Nordkalottrådet 33 930 € Nordiska kulturfonden 12 500 € Letterstedska föreningen 2 600 € Pohjola-Norden Lapin piiri 1 800 € Troms fylkeskommune 25 000 € Harstad kommune 6 875 €

**Total budget:** 276 165 €

**Project leader:** Marit Lamberg **E-mail** [nordenbd.marit@telia.com](mailto:nordenbd.marit@telia.com)

## **Preliminary study: Fibre optics network Pajala - Kolari**

**Lead partner: Municipality of Pajala**

### **Partner**

Municipality of Kolari

### **Objective and aim**

The purpose with the preliminary study is to make a survey of the possibilities for a common application for a fibre optic connection between Sweden and Finland (Pajala – Kolari) that makes it possible with high speed data communication, for the benefit of companies in the tourist trade as well as the coming mining.

### **Project time**

2008-05-20 - 2008-11-20

### **Date for decision**

2008-05-20

### **Grant amount**

6 000 euro

**Public co-financing;** Pajala kommun 2 000 euro, Kolari kommun 2 000 euro

### **Total budget**

10 000 euro

### **Project leader**

Erik Mella

### **Telephone**

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### **E-mail**

## **Preliminary study: SWEFI - Övertorneå**

**Lead partner: Municipality of Övertorneå**

### **Partners**

Municipality of Ylitornio  
Kemi-Tornio University of Applied sciences

### **Objective and aim**

The aim is to build a base for cross border cooperation and increase knowledge about neighbouring municipalities. The purpose of this feasibility study is to choose some common development themes at the prospect of future co-operation.

### **Project time**

2008-09-01 - 2009-01-31

### **Date for decision**

2008-10-16

### **Grant amount**

8 264 euro

**Public co-financing;** Övertorneå kommun 2 755 euro, Ylitornio kommun 2 754 euro

### **Total budget**

13 773 euro

### **Project leader**

Stig Kerttu

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### **E-mail**

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## **Preliminary study: Arctic Dance Circle**

**Lead partner: Municipality of Skellefteå**

### **Partner**

Municipality of Piteå

### **Background**

In northern Norway and Finland there is today qualified producers and arranger of dance and movement art. Their activities share many of the problems that exist in northern Sweden, large geographical distances, a relative short period of dance art history and so on. In spite of that they have succeed in creating well-reputed special guest performance scenes, well-attended festivals etcetera. During an interregional dance meeting in autumn 2008 was an exchanged of experiences and ideas concerning possibilities of how to benefit each other resources. With that as starting point create a common base for production, distribution and marketing of scene art.

### **Objective and aim**

Syftet med projektet är att utveckla förutsättningarna för danslivet i norra Sverige, Norge och Finland. Genom en förstudie få möjlighet att träffas och skapa förutsättningar för ett partnerskap i ett framtida projekt.

The purpose with the project is to develop conditions for dance in northern part of Sweden, Norway and Finland. Through a preliminary study get opportunity to meet and create possibilities for co-operation in a future project.

### **Project time**

2009-04-14—2009-09-13

### **Date for decision**

2009-04-27

### **Grant amount**

7 584 euro

**Public co-financing;** Piteå kommun 4 742 euro, Skellefteå kommun 7 437 euro

### **Total budget**

19 763 euro

### **Project leader**

Maria Rydén

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## **Preliminary study: Development of navigation between Kemi and Kalix**

**Lead partner: Municipality of Kemi**

### **Partner**

Municipality of Kalix

### **Background**

Both Kemi and Kalix have during the summer season proportionately lively small boats navigation traffic. Although the towns don't be geographical far from each other is cooperation between those "navigation towns" proportionately small. After a meeting between representatives for the municipalities it was clear that there is a lot that is common and it's possible to develop in cooperation. In order to further develop a serious cooperation in archipelago development must conditions for cooperation be examined more closely.

### **Objective and aim**

The project will investigate conditions and find cooperation partners for an application in order to improve small boat services and infrastructure for tourism in the archipelago.

### **Project time**

2009-08-01 – 2009-12-31

### **Date for decision**

2009-06-12

### **Grant amount**

10 000 euro

**Public co-financing;** Kalix kommun 4 000 euro, Kemin kaupunki 4 000 euro

### **Total budget**

18 000 euro

### **Project leader**

Jukka Vilen

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## **Preliminary study: Young and environmentally conscious**

**Lead partner:** The Norden Association Norrbotten

### **Partners**

Pohjola-Norden Lapin piiri  
Storfjord Kommunen

### **Objective and aim**

The pilot study aims to compare the environmental education in secondary education at the various schools in the Arctic. It will explore the differences between countries, to identify needs and provide secondary schools to participate in the project and actively work towards a better environment. Seminar participants will also discuss the EU's environmental objectives and the consequences for the individual. The preliminary study carried out in collaboration with school staff from the participating high schools. The pilot study will lead to a joint environmental project by autumn 2010.

### **Project time**

2010-02-01 - 2010-06-30

### **Date for decision**

2010-02-16

### **Grant amount**

4 550 euro

**Public co-financing;** Nordkalotträdet 4 000 euro, Föreningen Norden Norrbotten 400 euro, Pohjola-Norden 380 euro, Storfjord kommune 380 euro

### **Total budget**

9 710 euro

### **Project leader**

Marit Lamberg

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### **E-mail**

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## **Preliminary study: Boundless Sea**

**Lead partner:** Forestry Board, Natural heritage Services

### **Partners**

Municipality of Luleå, recreation and sports  
Bothnian Arc Association

### **Background**

Gulf of Bothnia marine areas have a long common border regional history, however, there has been significant cooperation between different actors, and both countries have developed their marine areas on their own. The marine areas have large resources and future potential to develop into attractive destinations for tourism, recreation and investment. It remains to resolve some of the barriers to cross-border cooperation will be fruitful.

### **Objective and aim**

This study aims to compare and find solutions for how to integrate the Finnish and Swedish strategy for marine areas for a joint development plan. The pilot study also aims to devise a common main application to the Interreg IV A North Programme. To succeed in these missions, joint cross-border meetings with various parties arranged. The main activity during the study period is to develop a main application to the Interreg IV A North Programme. The main application is based on the existing island strategies; progressed project in Finland and the Gulf of Bothnia archipelago strategy in Sweden. The Project Manager evaluates strategies and develops a proposal for further cooperation. Operators will arrange meetings with funders and partners with an interest in the main application.

### **Project time**

2010-09-01 - 2010-12-31

### **Date for decision**

2010-09-03

### **Grant amount**

10 000 euro

**Public co-financing;** Luleå kommun 2 000 euro, Bothnian Arc ek för 1 000 euro, Metsähallitus 2 000 euro, Oulun kaupunki 2 000 euro

### **Total budget**

17 000 euro

### **Project leader**

Arto Ahokumpu

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## **Preliminary study: Measures to stimulate the surviving of the fresh water pearl mussel population**

**Lead partner:** Metsähallitus, Natural Heritage Services

**Partners** Bioforsk Soil and environment Svanhovd

### **Background**

The Interreg Programme 2003-2006 included funding for a project that mapped the population of freshwater pearl mussels in eastern Inari, Norway and Russia in the rivers Näättä, Lutto and Pasvik, "The presence of freshwater pearl mussels and population of the state of the Arctic Region Northeast region". It noted then that populations of freshwater pearl mussels in Näättä River and into the mainstream of Lutto River lacked fertility and that there were no juveniles remaining. The lack of fertility was partly due to ocean salmon are no longer able to get up (Lutto River) since the 1960s and that the presence of freshwater pearl mussels were too sparse (Näättä River) due to the track in the 1950s. The lack of new generations of freshwater pearl mussels also occurs elsewhere in the north and particularly further south of Finland. The various stakeholders involved in freshwater pearl mussels has had preliminary plans on a project using different methods with the help of man should try to reach new generations of freshwater pearl mussels in and save the existing, but aging populations of freshwater pearl mussel.

### **Objective and aim**

In preparing the project, the intention to identify appropriate partners in the North Calotte area in Finland, Norway and Sweden and to investigate their ability and willingness to participate in the actual project. In preparing the project also includes a visit by the promoters of all partner candidates and help with the planning of tasks and budgets.

**Project time:** 2010-08-20 - 2011-03-31

**Date for decision:** 2010-11-26

**Grant amount ERDF:** 6 300 euro

**Public co-financing;** ELY-keskus 3 400 euro, Metsähallitus 400 euro, Jyväskylän yliopisto 200 euro

**Total budget:** 10 500 euro

**Project leader:** Matti Mela

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## **Preliminary study: Treriksgränsen (The frontier between three countries)**

**Lead partner:** Metsähallitus Natural Heritage Services

### **Partners**

County Administrative Board of Norrbotten  
Fylkesmannen i Troms

### **Background**

National boundaries of Finland, Norway and Sweden met at Treriksroset (the frontier between three countries). The surrounding area represents the most arctic part, an almost treeless country, big mountain area. The limestone rock foundation makes its flora species. The area's natural threatened by climate change that also affect reindeer herding and thus the original Sami culture of the area constitutes a core area. There are several different types of protected areas in this field. There are several research units. The area is also a major tourism area where Kilpisjärvi tourist centre is a center.

The traditional hiking area in the 2000s expanded in particular by the number of Norwegian snowmobile drivers has increased. In Finnish Lapland's tourism strategy has Kilpisjärvi been identified as an area with potential for growth and for further development. In this area a development project (EAKR) is running with a view to develop Kilpisjärvi tourist centre and also a project Arctica Regions (Interreg IV) which aims to promote entrepreneurship in tourism.

The increase in tourism has caused problems between different ways of using land and tourist groups. The problem has grown worse due to the fact that regulations in the three countries are so different, and by the lack of cooperation between authorities and operators. This refers especially to nature conservation and wilderness areas. More intensive cooperation would allow industries to work better together and the attraction of wildlife can be utilized in sustainable tourism.

### **Objective and aim**

The project compiled a preliminary study regarding how to increase cooperation in management and monitoring of protected areas, the operation of the service range of outdoor activities and the manner in which other land uses can be coordinated. One should investigate the formation of the Trilateral Park of existing and planned nature. If the common will can be manifested an application for Interreg IV A North Programme will be prepared for the implementation of those objectives.

**Project time:** 2011-01-01 - 2011-05-30

**Date for decision:** 2011-01-17

**Grant amount ERDF:** 10 000 euro

**Public co-financing;** Länsstyrelsen i Norrbotten 3 882 euro, Metsähallitus 2 000 euro, Kiruna kommun 500 euro, Sametinget 500 euro, ELY-keskus 1 000 euro, Enontekiö kommun 1 000 euro

**Total budget:** 24 382 euro

**Project leader:** Pertti Itkonen, **e-mail:** [pertti.itkonen@metsa.fi](mailto:pertti.itkonen@metsa.fi)

## **Preliminary study: Yhessä/Tillsammans/Together**

**Lead partner: Tornedalens folkhögskola**

**Partners Ylitornion Kristillinen Opisto**

### **Background**

People's high school in Tornio valley and Ylitornion Kristillinen Opisto are situated on the opposite sides of the Tornio river. Both schools offer education to persons with various forms of disability. At the current stage there are no exchanges between the schools. People's high school in Tornio valley has experience in working with various forms of theatre and during a number of years students with a disability (mental retardation) produced theatre performances. Ylitornion Kristillinen Opisto concentrates on different kinds of music events. A joint project will engage persons of various ages and will thus strengthen cross-border cooperation. This will also serve as a good foundation for both schools to continue cooperation in the future.

### **Objective and aim**

A functioning partnership will be established during a preliminary study. The work will result in some kind of a cultural event that will strengthen cross-border cooperation between different generations and at the same time will promote region's identity, language, traditions and cultural heritage.

**Project time:** 2011-03-01 - 2011-06-30

**Date for decision:** 2011-05-02

**Grant amount ERDF:** 3 713 euro

**Public co-financing:** Övertorneå Municipality 1 788 euro, Tornedalens folkhögskola 300 euro, Ylitornio Municipality 800 euro

**Total budget:** 6 601 euro

**Project leader:** Irene Muskos, **E-mail:** [irene.muskos@tornedalen.se](mailto:irene.muskos@tornedalen.se)

## 4. Sub-programme Sápmi – Borderless development

**Goal:** In 2013, the Sami region will have strengthened Sami culture and trade and industry by laying the foundations for broader and more structured trade and industry cooperation and by focusing on mutual solutions for development of what is unique to the Sami culture

### **Interim objective 1**

*Increase variation of industry by strengthening traditional forms of trade and industry and developing modern day Sami commercial activity.*

### **Interim objective 2**

*Develop cooperation through interaction between both Sami and other actors on local, regional and central levels in order to coordinate resources and create lasting alliances.*

### **Interim objective 3**

*Increase awareness of the Sami situation and conditions for survival in Sápmi and through this contribute to increasing the knowledge on the Sami people in the world around them.*

### **Interim objective 4**

*Strengthen the Sami language.*

### **Interim objective 5**

*Develop cross-border training, research and documentation in order to create a base for language, culture and industry.*

**Target group:** Sami people engaging in traditional forms of trade and industry, Sami villages/reindeer pasture areas, Sami associations, Sami industry and culture institutes, Sami organizations, other industry organizations, institutes, public institutes and subsidiaries etc., Sami industry, similar organizations, universities and colleges, other educational institutes, museums, companies, authorities, municipalities and county councils.

**Budget ERDF: 4 349 845 €**

**Granted amounts: 3 044 837 (70%)**

**Returned: 44 775 €**

**Remaining: 1 349 783 (31%)**

The following projects have been approved within prioritized area 4.

Project	Granted amount
<b>Interim objective 1:</b> <i>Increase variation of industry by strengthening traditional forms of trade and industry and developing modern day Sami commercial activity.</i>	
Preliminary study; Industry development	10 000
Indigenous entrepreneurship	228 055
Industry development	217 374
<b>Total:</b>	<b>455 429</b>
<b>Part of total budget:</b>	<b>10%</b>
<b>Interim objective 2:</b> <i>Develop cooperation through interaction between both Sami and other actors on local, regional and central levels in order to coordinate resources and create lasting alliances.</i>	
The Sami Parliament Youth Conference 2008	54 246
Preliminary study; Sami language and school development in Tana	3 900
Sami youth	188 272
Preliminary study; Sami Artchildren	10 000
OVTTAS! Sami language, school and kindergarten development	246 071
Ambassadors of reindeer herding	111 793
<b>Total:</b>	<b>614 282</b>
<b>Part of total budget:</b>	<b>14%</b>
<b>Interim objective 3:</b> <i>Increase awareness of the Sami situation and conditions for survival in Sápmi and through this contribute to increasing the knowledge on the Sami people in the world around them.</i>	
	0
<b>Total:</b>	0
<b>Part of total budget:</b>	<b>0%</b>
<b>Interim objective 4:</b> <i>Strengthen the Sami language.</i>	
Saemesth die!	227 528
Collection of words in Pite-Sami language	70 318
Preliminary study; SAFA	10 000
<b>Total:</b>	<b>307 846</b>
<b>Part of total budget:</b>	<b>7%</b>
<b>Interim objective 5:</b> <i>Develop cross-border training, research and documentation in order to create a base for language, culture and industry.</i>	
The Sami language and culture in nursery school and school	132 599
Saemieh Saepmesnie - Inside the Sami room	590 309
Preliminary study; Education - immaterial rights	5 850
Skolt Lappish cross-border culture	278 057
Arin	34 637
Traditional ekological knowledge conveyed by female reindeer keepers	108 110
Före gränser och över gränser...	137 747
Sydsamer - landskap och historia	379 971
<b>Total:</b>	<b>1 667 280</b>
<b>Part of total budget:</b>	<b>38%</b>
<b>Budget ERDF €</b>	<b>4 349 845</b>
<b>Granted amount €</b>	<b>3 044 837</b>
<b>Granted amount %</b>	<b>70%</b>

## **Descriptions of projects and preliminary studies granted in priority 4**

### **Project: The Sami language and culture in nursery school and school**

**Lead partner: Luleå University of Technology**

#### **Partner**

Tromsø College

#### **Background**

Experiences from ongoing project indicate on the importance of that starting point for education in mathematics is in Sami culture, traditional knowledge and Sami language. The importance of tie education in mathematic together with language and culture is commented in research however there is a lack of Sami research in the field. Planned project have reference to mathematic from Sami culture, Sami language as school language with functional bilingualism as purpose.

#### **Objective and aim**

Purpose with the project is to initiate a vitalization of Sami language and traditional knowledge by development work in Sami and mathematics in the Sami education in Sami nursery school and school.

The overall purpose is to strengthen Sami children/pupils vitalization of Sami and traditional knowledge. Concrete it will lead to designing of a pedagogical support material for education in mathematic from a Sami perspective as well as a pedagogical resource book for crossing between nursery school and school.

Intermediate goal is to develop cooperation between Luleå technical university and Tromsø College as education institute for teachers and the field that educated teachers are going to work in.

**Project time:** 2008-04-01 - 2010-04-30

**Date for decision:** 2008-06-12

**Grant amount:** 132 599 euro

**Norwegian IR-amount:** 37 205 euro

**Public co-financing;** LTU 71 399 euro, Högskolan i Tromsø 37 205 euro

**Total budget:** 278 408 euro

**Project leader:** Gunilla Johansson

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## **Project: Collection of words in Pite-Sami language**

**Lead partner: Sami Association of Arjeplog**

### **Partner**

Salt and Pite-Sami Association, Moldfjord, Norway

### **Background**

Pite-Sami language, or Arjeplog-Sami language as it often is named in Sweden, belong to the central Sami language. It is totally obsolete in Norway while there are as few as 20 people that can the language in Sweden. Pite-Sami is on the list of language under threat of extermination and is serious threaded. It is enormously important to take care of Pite-Sami language when it consists of way of thinking and therefore is carrier of culture historical knowledge. In Pite-Sami there are few written sources and there is no vocabulary.

Sami Association of Arjeplog has since autumn 2006 take part in a project with purpose to document Pite-Sami language. The project has been carried out in cooperation with Norway when this language is spoken in a zone from Piteå at the coast to Bodö in Norway. In Norwegian side the words are translated to Norwegian. During the first phase of the project we where able to collect about 2 500 words.

### **Objective and aim**

Pite-Sami is a language that keeps alive in spoken language by less than 20 people. Pite-Sami is very little documented. The knowledge is mainly among the older generation and therefore it is important to collect information before it disappears from spoken language.

The aim is to document between 8 000 to 10 000 words after that record right pronunciation. After that the meaning is to produce a school book for beginners in Pite-Sami language.

**Project time:** 2008-09-01 - 2008-09-01

**Date for decision:** 2008-06-12

**Grant amount:** 70 318 euro

**Norwegian IR-amount:** 21 999 euro

**Public co-financing;** Norrbottens läns landsting 10 674 euro, Arjeplogs kommun 11 179 euro, Sametingets kulturråd 5 337 euro, Statens kulturråd 10 674 euro, Nordkalotträdet 23 244 euro

**Total budget:** 152 180 euro

**Project leader:** Nils-Henrik Bengtsson

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## **Project: Saemesth dle! (SamS)**

**Lead partner: Sami local education authority**

### **Partner**

County Government of Nordland

### **Background**

The project is cross border and come into contact with pupils that have education in south Sami language. South Sami people in Norway and Sweden has a common language and culture. South Sami language is according to UNESCO list a threatened language. SamS and County Government of Nordland will in this project give opportunity to take back, strengthen, preserve and develop south Sami language in an active comprised Sami environment.

### **Objective and aim**

Objective is to create a development environment that set up conditions, through language and culture, in order to strengthen, preserve and develop the Sami language. Through language camps that are carried out in Sami environment with traditional knowledge you can pick up things that are important in a life long learning. The project will inspire to increasing efforts in order to acquire the south Sami language, increase the language zone, contribute to better recruiting of teachers with competence in south Sami and create environment where Sami could be used in areas that are sparsely populated both in Sweden and Norway. One aim is also that more pupils and parents want to have training in south Sami. One other aim is to give desired knowledge about vitalizing that can be of help for other Sami language and for more contribution in strengthen of language arenas in society.

### **Project time**

2008-04-01 - 2011-03-31

### **Date for decision**

2008-06-12

### **Grant amount**

227 528 euro

**Norwegian IR-amount:** 190 968 euro

**Public co-financing;** Sameskolstyrelsen 70 337 euro, Länsstyrelsen i Västerbottens län 28 704 euro, Skolverket 19 171 euro, Umeå kommun 2 870 euro, Strömsunds kommun 1 434 euro, Fylkesmannen i Nordland 190 967 euro

### **Total budget**

731 979 euro

### **Project leader**

Britt Allas-Labba, **Telephone** +46 971 442 08, **E-mail** labba@sameskolstyrelsen.se

## **Project: Inside the Sami room - Saemieh Saepmesinie**

**Lead partner: Gaaltje – South Sami Culture Centre in Östersund**

### **Partners**

Museum of Västerbotten  
Saemien Sijte

### **Background**

The pressure on outlying land area and mountain area is heavy and Sápmi (the land of the Sami) culture landscape is acute threatened by different exploitation. Large-scale tourism, forestry, mining, wind power parks and pylons are just some examples. Even nature environment protection measure as establishing reserve and national parks can hurt Sami culture environment if environments isn't known and documented. Unsatisfactory inventory and documentation of the Sápmi landscape involve that sensitive environment not get attention and therefore run the risk of destroying for the future. This doesn't only concern physical relic but also the invisible, immaterial culture heritage. In order to be protected by all sorts of exploiting it is necessary for the Sami culture environment is known.

### **Objective**

The project will generate new cross border knowledge about south Sami history and culture landscape. Such documentation is necessary for understanding of importance and value of the ground. Results from documentation will become an important basic data for planning that can contribute to growth and development of industry. The material will be accessible and used in order to strengthen Sami peoples work towards increasing local influence in administration of the mountains.

The project shall bring out traditional Sami knowledge and use of landscape for pointing out continuity and quality (intensity) in using soil as well comparing it today's use and dependence to landscape, people and reindeer. Also other Sami industries than reindeer breeding as hunting, fishing and farming will be highlighted in the project.

### **Aim**

It's crucial to make south Sápmi landscape and people's presence in landscape visible and strengthen. South Sami history and areas for settlement and industry are, not least in Sami connection, unfamiliar with. An important task for the project will be to set out basis on today unknown state of things.

The project will work to create interests for south Sami history and way of living at education and research centre as well as to generate new basis for research.

Knowledge about own culture landscape is a link in a tenability perspective and is necessary to protect valuable culture environment.

One important intermediate goal is to create network. The most important network is between south Sami institutions and organisations with Sami competence on both sides of the border. This network shall lead to a lasting cooperation so that each organisations competence is taken care of and used. It is also important to create network between organisations, research institutions and college involved in the project.

**Project time**

2008-06-01 – 2010-12-31

**Date for decision**

2008-10-09

**Grant amount**

590 309 euro

**Norwegian IR-amount**

306 569 euro

**Public co-financing;** Länsstyrelsen i Jämtland 95 745 euro, Sametinget Sverige 79 788 euro, Länsstyrelsen i Västerbotten 95 745 euro, Länsstyrelsen i Dalarna 15 957 euro, Länsstyrelsen i Västernorrland 15 957 euro, Ájtte, svenskt fjäll- och samemuseum 15 957 euro, Norsk kulturråd 60 828 euro, Nordland fylkeskommune 62 043 euro, Nord-Trøndelag fylkeskommune 126 276 euro, Sametinget Norge 132 238 euro, Arbeids- og inkluderingsdep 63 870 euro

**Total budget**

1 798 328 euro

**Project leader**

Ulf Stefan Winka

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## **Project: The Sami Parliament Youth Conference 2008**

**Lead partner: The Sami Parliament, Sweden**

### **Partners**

The Sami Parliament, Finland and the Sami Parliament, Norway

### **Background**

Sami Parliament Council (SPC) is a cooperation organization between Sami Parliament in Norway, Sweden and Finland where also the Russian Sami organisations is permanent members. SPC consists of seven parliamentarians from each Sami Parliament in Sweden, Norway and Finland as well as two permanent members from Russia. In SPC's plan of action for 2007-2008 is youth related initiative prioritized activities. In the frame of action plan a youth conference is arranged every second/once every three years where act as host vary between countries under management by SPC. SPC's youth conference is a common Sami initiative in order to strengthen Sami youth society and political engagement, participating and be able to influence in the Sami society as well as increase contact, solidarity and cooperation between Sami youth cross borders.

The first youth conference took place in October 2004 in Norway. Present year it is the Sami Parliament I Sweden that shall arrange the youth conference that will take place in Lycksele 3<sup>rd</sup> to 5<sup>th</sup> of October 2008. To this conference is also Russian Sami invited.

### **Objective and aim**

The purpose is to get Sami youth cross border political active and the target group is young people between 16-30 years. Approximately 120 young people divided in 30 delegates from each Sami Parliament, 10 delegates from Russia and 20 delegates from Sami youth organisations in Sweden, Norway and Finland. The overall aim is to:

- Strengthen Sami youth participation in decision-making and influence in Sami Parliament and Sami society,
- To get more young people political engaged,
- To get more Sami youth to organize in register of electors,
- To create a creative environment for vitalizing cross border cooperation, language developing, networking,
- To make Sami youths living conditions and terms more visible and by that increase the surrounding worlds knowledge about Sami people

**Project time:** 2008-04-01 – 2009-04-30

**Date for decision:** 2008-06-12

**Grant amount:** 54 246 euro

**Norwegian IR-amount:** 21 276 euro

**Total budget:** 126 009 euro

**Public co-financing;** Sametinget Sverige 16 978 euro, Sametingets kulturråd 4 930 euro, Nordkalotträdet 7 303 euro, Sametinget Norge 21 276 euro

**Project leader:** Ulla Barruk Sunna, **Tel:** +46 980 780 50, **E-mail:** u.b.sunna@sametinget.se

## **Project: Sami youth**

**Lead partner: Ájtte Museum in Jokkmokk - the Sami Centre**

### **Partners**

Sámi Museum Siida, Finland  
Várjjat Sámi Musea, Norway  
Saemien Sijte, Norway

### **Background**

Situation among Sami young people in Norway, Sweden and Finland varies a lot, not least in the countries. At the same time these young people have much that are common. Some have a strong Sami identity while others have grown up in environment where there was less focus on the Sami culture. Nevertheless they share all challenges and where to express their culture belonging. In spring 2008 child ombudsman presented a report "The rights for participation and influence for Sami children and youth". Where children ombudsman in Norway, Sweden and Finland establish that the greater part of Sami youth are proud of their Sami culture and identity but at the same time there are lacks in relations to children's convention. Among other things it is that youth not are part of the questions that are connected to them. Museums have to a lesser extent worked with youth questions and there is limited material in collections connected to youth. Therefore museums want by the project initiate new way of working and methods to work with Sami young people.

### **Objective and aim**

The purpose is that Sami youth will have influence and participate in creating Sami culture heritage. In the project will museums in Norway, Sweden and Finland together develop methods and way of working in order to formulate and document today's question that are important for young Sami people. Aim is that youth will have a view in the work at museums and press on in creating Sami culture heritage. They get opportunity to meet and work with young Sami people in other countries. Cooperation/network between museums and with schools strengthen and a unique ethnological source material is produced.

**Project time:** 2009-05-01 – 2011-04-30

**Date for decision:** 2009-05-28

**Grant amount:** 188 272 euro

**Norwegian IR-amount:** 80 010 euro

**Total budget:** 450 692 euro

**Public co-financing;** Sametingets kulturråd 5 900 euro, Ájtte, svenskt fjäll- och samemuseum 21 000 euro, Jokkmokks kommun 22 500 euro, Norrbottens läns landsting 4 900 euro, Västerbottens läns landsting 4 900 euro, Nordkalotträdet 15 100 euro, Lapin Liitto 29 100 euro, Siida museum 4 000 euro, Norsk kulturråd 21 654 euro, ABM-utvikling 20 708 euro, Finnmark fylkeskommun 3 041 euro, Nord-Trøndelag fylkeskommune 10 827 euro, Sametinget Norge 10 827 euro, Snåsa kommun 3 953 euro, Varanger samiske museum 4 000 euro

**Project leader:** Anna Westman, **Telephone:** +46 971 170 14

**E-mail:** anna.westman@ajtte.com

## **Project: Skolt Lappish cross-border culture**

**Lead partner: Sámi Oahpahuovddás/Saamelaisalueen**

### **Partner**

East Sami Museum Norway

### **Background**

Skolt living in Norway, Finland and Russia are a minority among other Sami. Language is an inseparable part of culture. Revitalising the language and culture needs to immediately be utilized in all three countries.

### **Objective and aim**

The objective with this project is to create possibilities for skolt Lappish people to work and live in their home village. By doing that the countryside can be kept vigorous and removal be reduced. For skolt Lappish people that already been alienate from their own cultural background and language the project will give information that help them to strengthen or find their own cultural identity. For skolt Lappish people that live outside their own district will this project offer possibilities to take part in cultural events especially in summer time.

Main aim for the project is to contribute to strengthen and develop skolt Lappish culture, language and identity in a cross-border perspective in Finland, Norway and Russia. The project will contribute to increasing understanding and better knowledge for skolt Lappish culture, national and international. Aim is to create synergy effect by creating new job so young skolt Lappish families became motivated to move back to the district.

**Project time** 2010-01-01 - 2012-06-30

**Date for decision** 2010-03-29

**Grant amount** 278 057 euro

**Norwegian IR-amount:** 62 527 euro

**Total budget** 974 368 euro

**Public co-financing;** Lapin Liitto 149 723 euro, Arbeids- og inkluderingsdep 252 345 euro, Barentssekretariatet 218 216 euro, Östsamisk museum 13 500 euro

### **Project leader**

Liisa Holmberg, **Telephone** +358 16 67 1426

## **Project: Arin – New minority drama in the North Calotte**

**Lead partner: The Sami Theatre**

### **Partners**

Tornedalsteatern  
Sápmi Teáter Searvi  
Beaivvas Sami Teahter  
Åarjelsaemien Teatere

### **Background**

The Sami Theatre Association (STS) and the Sami Author Association (SGS) work in order to promote Sami literature and theatre art and carry on activities that promote artistic development among members. The members are from four different countries; Norway, Sweden, Finland and Russia. Organizations wish concrete to arrange a wide drama course with approx. 12 to 15 participants.

### **Objective and aim**

Objective is to give Sami authors of imaginative literature and theatre art competence to write for stage.

Aim is that participating organizations carry out the course “New drama”. The course will be comprehensive and on a high level.

**Project time** 2009-02-12 – 2010-06-30

**Date for decision** 2010-02-23

**Grant amount** 34 637 euro

**Norwegian IR-amount:** 18 471 euro

**Total budget** 108 760 euro

**Public co-financing;** Giron Sámi teáhter 18 082 euro, Tornedalsteatern 19 099 euro, Beaivvas Sámi Teáhter 15 783 euro, Åarjelsaemien Teatere 2 688 euro

### **Project leader**

Ulf Fembro, **Telephone** +46 980 102 99 **E-mail:** [ulf.fembro@samiteahter.com](mailto:ulf.fembro@samiteahter.com)

## **Project: Ovttas! Sami language, school and kindergarten development in Tana Valley**

**Lead partner: Municipality of Utsjoki**

### **Partners**

Deanu giellaguovddás/Raba sanusje Tana language centre

### **Background**

Skolan i Utsjok i Finland och Sirmaskolan i Tana i Norge har samarbetat sedan länge. Samarbetet har förstärkt samespråkiga elevers språk- och kulturella kunskaper samt deras samiska identitet. Utsjok och Tana kommuner samverkar också om förskole-/daghemsverksamheter så, att barnen kan få tillgång till förskoleutbudet på samiska i varandras länder. Detta samarbete har varit nästan unikt i sameregioner såväl i Norge som i Finland. Samerna, norska och finska myndigheter vill utöka samiskt skolsamarbete. Dessa gemensamma aktiviteter kan utgöra en bra modell och ett gott exempel för övriga skolor och förskolor.

School in Utsjoki, Finland and Sirma school in Tana, Norway have worked together since long. The cooperation has strengthened the Sami-speaking students' language and cultural skills and their Sami identity. Utsjoki and Tana municipalities also interact on preschool and kindergarten so that children can have access to preschool supply in the Sami in each other's countries. This cooperation has been almost unique in the Sami regions in Norway and Finland. Sami, Norwegian and Finnish authorities want to expand the Sami school collaboration. These joint activities may be a good model and a good example for other schools and kindergartens.

### **Objective and aim**

The project aims to strengthen and develop cooperation between schools and kindergartens in Tana Valley. An aim is also that the Sami language and Sami society thrive in school and kindergarten activities in Tana Valley

**Project time:** 2009-11-01 - 2012-10-31

**Date for decision:** 2009-10-23

**Grant amount:** 246 071 euro

**Norwegian IR-amount:** 97 125 euro

**Total budget:** 817 445 euro

**Public co-financing;** Utsjoki kommun 57 499 euro, Lapin liitto 45 000 euro, Nordkalottrådet 30 000 euro, Tana kommune 96 500 euro, Tana Språkcenter 51 500 euro, Sametinget i Norge 93 750 euro, Arbeids- og inkluderingsdep 100 000 euro

**Project leader:** Ellen Ravna , **E-mail:** ellen.ravna@seg.deatnu.no

## **Project: Indigenous entrepreneurship**

**Lead partner:** Swedish Sami National Association (SSR)

### **Partners**

Suoma Sámi Guovddassearvi SSG  
Norwegian Sami National Association  
International Barents secretariat

### **Background**

Sami, Nenets, Komi and Veps are indigenous people in the Barents region. Industrial development and exploitation of natural resources in the northern regions has contributed to economic growth now taking place in the Barents region. This development takes place in the region's indigenous traditional territories, and it has a strong impact on indigenous communities and their way of life.

### **Objective and aim**

Aim of the project is to include indigenous peoples in the development of the region, creating strong business relationships between indigenous entrepreneurs in the Barents region, creating jobs for people belonging to indigenous peoples in their communities, strengthen cooperation between indigenous peoples in the Barents region, and promote indigenous culture and traditions inside and outside the Barents region for indigenous peoples' own conditions. Project participants will through innovation find new ways to use indigenous traditions and traditional knowledge in the creation of small businesses, finding a meeting place for indigenous young entrepreneurs, thus creating business cooperation across state borders. The goal is that a minimum of 60 young indigenous entrepreneurs to pursue project development, at least 30 indigenous companies to develop positively, 10 cross-border collaborations with at least two or more IE-business will have been established at the end of the project and that a network of businesses owned by indigenous people is established with purpose to develop and promote indigenous industries inside and outside the Barents region.

**Project time:** 2010-06-05 - 2011-12-31

**Date for decision:** 2010-06-30

**Grant amount:** 228 055 euro

**Norwegian IR-amount** 59 298 euro

**Total budget:** 953 298 euro

**Public co-financing;** Norrbottens läns landsting 27 331 euro, Region Västerbotten 24 983 euro, Sametinget i Sverige 12 226 euro, Nordiska ministerrådet 100 492 euro, Danska utrikesdep 17 117 euro, Samerådet 2 500 euro, Sametinget Norge 25 676 euro, Finnmark fylkeskommun 18 340 euro, Nordland fylkeskommun 18 340 euro, Troms fylkeskommun 18 340 euro, International Barents sekretariat 109 856 euro

**Project leader:** Anders Blom, **Telephone:** +46 90 14 11 80

**E-mail:** anders@sapmi.se

## **Project: Ambassadors of reindeer herding**

**Lead partner: Sami Council in Sweden**

### **Partners**

Suoma Boazosámit rs, International Centre for Reindeer Husbandry

### **Background**

International Centre for Reindeer Husbandry has in the review of the Sami reindeer herding associations noted that the age structure of leaders and political activists are alarmingly high and that the recruitment of young people do not have the progressiveness that is necessary.

### **Objective and aim**

Ambassadors of reindeer herding is a trainee programme for personal and professional development. The aim is to recruit reindeer herding youngsters who has the will and potential to assume leadership positions in the herding community. The project will prepare and develop young people, and provide supportive measures so that communicative competence can be achieved and that participation in national and international venues will be a natural part of the reindeer business. The project will also where possible, take advantage of knowledge of present leaders and specialists, so that the generated skills also in the future will benefit from reindeer husbandry. Mentoring is a way to take advantage of both older and younger knowledge so that it may have spread between the generations. The concept must be developed and implemented during the project period, while ICR requires that mentor / mentee relationship will continue after the project ends. Reindeer herding Ambassadors are also the first step in networking for the young reindeer.

Reindeer herding Ambassadors aims to enrich the reindeer herding community of emerging leaders, communicators and informants. The project reindeer herding Ambassadors will help to secure the reindeer industry's long-term supply of skilled managers and employees to key positions in organizations. The aim is also to this project shall be the basis of a permanent form of education for young people, and also can be applied to other groups within the Sami community.

**Project time:** 2009-10-01 - 2011-02-28

**Date for decision:** 2010-03-10

**Grant amount:** 111 793 euro

**Total budget** 349 990 euro

**Public co-financing;** Sametinget Sverige 49 731 euroa, Lapin liitto 10 466 euroa, Sametinget Norge 35 700 euroa, Reindriftens utv.fond 21 500 euroa, Int. Centre for Reindeer husbandry 16 800 euroa, Uarctic Ealet Institutie 15 000 euroa

**Project leader:** Lars-Ove Jonsson, **Telephone:** +46 63 15 08 51

**E-mail:** lars-ove.jonsson@sametinget.se

## **Project: Traditional ecological knowledge conveyed by female reindeer keepers**

**Lead partner:** Ájtte, Swedish Mountain and Sami Museum

**Partners** Sámi University College, Vaisa Sami federation, Goahteskuvla

### **Background**

The starting point for this project idea is two ongoing research projects documenting female reindeer keepers' ecological knowledge. One project is titled "Goadastallanmáhtut pedagogalas perspektiivas" (Activities of Sami settlements from an educational perspective) and implemented in Sami University College with Elisabeth Gaup Utsi as project manager. The second project is titled "Traditional ecological knowledge of land use among women in reindeer herding in northern Sweden and Norway" with Ájtte as project owner and Berit Inga as a project manager. One project has a pedagogical focus while the second project has a more biological approach. Both projects have interviewed women who worked in reindeer during most of their life. In the ongoing research projects have collected material based on the these female reindeer keepers' conveyed and this will be analyzed and lead to more knowledge, for example in the form of reports .

### **Objective and aim**

In addition, keeping of traditional ecological knowledge is the common denominator in this cross-border cooperation. This is done by building networks, not only between research institutions, but also between local actors in different regions. The collaboration is to develop ways to actively manage the traditional ecological knowledge of local communities. The women participating in the project have a strong anchorage in the local environment in which to operate and can be seen as resources to work on traditional ecological knowledge of local actors. The aim of the gathering is to contribute to empowerment that is to become aware of their capacities and stimulate creativity. Participants can contribute to the revitalization of Sami meeting venues in the local community in which traditional knowledge and the Sami language is practiced.

**Project time:** 2011-01-01 – 2012-12-31

**Date for decision:** 2010-10-20

**Grant amount ERDF:** 108 110 euro

**Grant amount Norwegian IR-funding:** 82 360 euro

**Public co-financing;** Nordkalotträdet 30 000 euro, Ájtte 41 913 euro, Forskningsm. over reindrifstavtalen 47 445 euro, Finnmarks fylkeskommune 10 706 euro

**Total budget:** 320 534 euro

**Project leader:** Berit Inga, **E-mail**

## **Project: Business development in the borderless region of Sápmi**

**Lead partner: Svenska Samernas Riksförbund - SSR**

**Partners Harstad University College**

### **Background**

University College of Harstad (HIH) has received requests from actors / companies in Sami product business, which expresses great desire to HIH begin a professional development projects in enterprise development in Sapmi. With this as background, HIH, in cooperation with SSR (Swedish Sami Association) conducted a pilot study in autumn 2009, with 40 operations in Norway and Sweden has been interviewed. Those activities are within the Sami production.

### **Objective and aim**

The project aims to provide participants in the Sami product production in Norway and Sweden theoretical and practical knowledge of how to build and lead a product market. The project aims to develop existing and new products and markets where the Sami regions of Norway and Sweden are represented with their heritage, traditions and distinctiveness.

**Project time:** 2011-03-01—2014-02-28

**Date for decision:** 2011-02-28

**Grant amount ERDF:** 217 374 euro

**Grant amount Norwegian IR-funding:** 182 482 euro

**Public co-financing;** Region Västerbotten 35 000 euro, Länsstyrelsen i Norrbotten 35 000 euro, Länsstyrelsen i Jämtland 50 000 euro, Sametinget Norge 25 791 euro, Troms fylkeskommune 34 586 euro, Nordland fylkeskommune 40 876 euro, Nord-trøndelag fylkeskommune 18 601 euro, Sør-trøndelag fylkeskommune 20 876 euro, Innovasjon Norge Finnmark 41 752 euro

**Total budget:** 823 213 euro

**Project leader:** Hilde Nordahl-Pedersen

## **Project: Before and over the borders – long-term changes in the Sami society**

**Lead partner:** Åjtte, Svenskt fjäll- och samemuseum

**Partners** Àrran – lulesamiskt centrum, Centrum för samisk forskning, Umeå universitet, Luleå tekniska universitet, Universitetet i Nordland, Bodø

### **Background**

There are currently not that many cross-border projects that study the Sami land use from an archaeological and a historical perspective. The Sami had used the resources and left cultural relics on both sides of the border. Those relics have also been analysed separately and this represents a problem. Cultural relics in the area should be analysed as a whole, as belonging to the same group of people who have inhabited this environment, notwithstanding in which country they have been discovered as state borders have appeared at a later stage. If the project is not going to be implemented, the Sami history will continue being quite general and, in some areas, simply incorrect. The innovative side of the project consists in the fact that the current borders are considered as non-existent, the scientists will be working together on the same problematic and the study area will be considered as one independently from its territorial belonging to one or another country. The other novelty consists in studying the consequences of both kingdoms' policies for concrete individuals. The project is timely since decolonisation theories are becoming more and more spread in the context of research related to indigenous peoples, indigenous peoples are decolonising their own society, their own history etc. It is thus important to ensure that the research about both prehistorical times and history of the Sami is conducted under the same conditions, considering that the major part of the history is written from another perspective.

### **Objective and aim**

The aim of the project is to study how cultural changes in the society are reflected in the use of the cultural landscape, from prehistoric till modern times. A partial objective is to show that the Sami history is more complex than it appears according to currently existing descriptions that have been written in quite a basic way. The objective is to determine, with the help of archaeological methods and decolonisation theories, when the reindeer nomadism had developed in the Lule Sami language-spoken area. There are cultural relics in the area that show that reindeer herding had developed considerably earlier than the established paradigm stipulates. The objective is also to establish factual consequences that the two different kingdoms' policies in this area had for the Sami people. Furthermore, the objective is to develop a cultural pedagogy based on the notion "the indigenous peoples' knowledge" and on Sami traditional knowledge.

**Project time:** 2012-01-01—2014-06-30

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 137 747 €

**Grant amount Norwegian IR-funding:** 100 000 €

**Public co-financing;** Åjtte, svenskt fjäll- och samemuseum 74 170 € Àrran 100 000 €

**Total budget:** 411 917 €

**Project leader:** Elisabeth Pirak-Kuoljok, **e-mail:** [elisabeth.pirak-kuoljok@ajtte.com](mailto:elisabeth.pirak-kuoljok@ajtte.com)

## **Project: South Sami – landscape and history**

**Lead partner:** Gaaltije-sydsamiskt kulturcentrum i Östersund

**Partners:** Västerbottens museum, Stiftelsen Saemien sijte, Snåsa  
Sijti Jarnge – Samisk kulturcenter, Hattfjelldal

### **Background**

Large parts of the South Sami landscape have still not been documented in a satisfactory way. This means that sensitive environments have not been recognized as such and thus risk to be destroyed forever. This concerns not only physical remains but also the invisible, non-material cultural heritage. It is necessary that the Sami cultural environments are known in order to be protected from all kinds of exploitation. Furthermore, there are large gaps in the knowledge of the South Sami history. Certain sources about South Sami are known and there are certain publications available about South Sami history. However, there is no overall history analysis either from an archeological or from a historical sources perspective.

### **Objective and aim**

The project will be based on cross-border cooperation and generate new knowledge on South Sami history. Such documentation is necessary for understanding of the landscape's significance and value. The results will be made available and could be used in order to strengthen Sami efforts towards an increased local influence in the management of the mountains thanks to the knowledge that has been made available and to strengthened competences in various issues inside local communities. The project will deepen the knowledge about Sami history. The project will be linked to research by developing new research paper on South Sami culture history. This will be achieved partially through the existing contacts with the universities in Norway and Sweden and partially through the fact that the research paper developed in the course of the project implementation can be further used for research, for instance of the 14C datings of settlements and previously untreated archive material. The project will highlight the traditional Sami knowledge and use of the landscape in order to demonstrate the continuity and quality (intensity) in the use of the landscape, to compare it with today's use of land and to show the dependence between landscape, people and reindeers. The project will also highlight other traditional Sami occupations beside reindeer husbandry, such as hunting, fishing and agriculture. The project will disseminate new knowledge not only within the Sami society but also beyond it.

**Project time:** 2012-01-01—2014-06-30

**Date for decision:** 2011-11-10

**Grant amount ERDF:** 379 971 €

**Grant amount Norwegian IR-funding:** 200 000 €

**Public co-financing:** Länsstyrelsen Jämtland 67 203 € Länsstyrelsen Västerbotten 20 160 €  
Länsstyrelsen Dalarna 20 163 € Länsstyrelsen Västernorrland 19 824 € Region Västerbotten  
77 250 € Nordland fylkeskommune 50 438 € Hedmark fylkeskommune 50 439 € Nord-  
Trøndelag fylkeskommune 121 055 € Sør-Trøndelag fylkeskommune 38 417 € Sametinget  
Norge 121 055 € Norsk kulturråd 80 702 € Arbeids- og kulturdepartementet 80 702 €

**Total budget:** 1 369 001 €

**Project leader:** Ulf Stefan Winka, e-post [ulfstefan@gaaltije.se](mailto:ulfstefan@gaaltije.se)

## **Preliminary study: Sami language and school development in the valley of Tana/Sámi giella – ja skuvlaovdádeapmi Deanuleagis**

**Lead partner: Municipality of Utsjoki**

### **Partner**

Deanu giellagáddi/ The Sami industry and analysis centre AS

### **Background**

Utsjoki school in Finnish side of Tana and Sirma school in Norwegian side has since long time had a cooperation. Cooperation has strengthened Sami speaking pupil's language and culture knowledge and also their Sami identity. The cooperation has been very unique in Sami and also in Norway and Finland. Sápmi (the land of the Sami), Norwegian and Finnish authorities want more of Sami school cooperation and that cooperation can be a good role model for other schools.

### **Objective and aim**

This preliminary study is planning and investigates how Tana Valley can develop cross border co-operation when it comes to language and school development.

- That Sami society develops positive
- That Sami language strengthen
- That Sami curriculum, textbooks and teaching aids and ways of learning develops
- That Sami belonging strengthen
- That pupils knowledge in Norwegian and Finnish increase
- That feeling of solidarity between schools, other institutions and people strengthen and develops cross border

**Project time** 2009-03-01 – 2009-08-31

**Date for decision** 2009-02-18

**Grant amount** 3 900 euro

**Public co-financing;** Utsjoki kommun 2 100 euro, Tana samiske språkcenter 3 900 euro

**Total budget** 9 900 euro

### **Project leader**

Viljo Pesonen, **Telephone** +358 16 686 201

**E-mail** [viljo.pesonen@utsjoki.fi](mailto:viljo.pesonen@utsjoki.fi)

## **Preliminary study: Sami ArctiChildren**

**Lead partner: University of Lapland**

**Partners; Luleå University of Technology**

### **Background**

The policy agenda of sustainable development highlights to launch new strategies for promoting activities of sustainable development on all administrative levels of the society. To promote psychosocial well-being lies very near of the concept "to promote social and cultural sustainable development". Promotion means the creation of opportunities for improving people's living conditions and quality of life by means of reinforcing the resources and coping possibilities of the individual and the community. Own language and culture are the most important grounds for individual's cultural identity and well-being. Therefore it is important to reinforce and find new creative innovations how Sami languages and cultures could be used more as daily resource for children in educational processes of the community. As one base of the SamiArctiChildren project idea is the ArctiChildren projects which have had as a goal since 2003 to develop a cross-border network model and create new working methods for improving the psychosocial well-being, social environment and security of school-aged children in the Barents region. In the last ArctiChildren project 2006-2008 there was as a base a question: "how school teachers can improve children's well-being through school education". Now, in this preparatory project it is aim to continue development work for Sami children's well-being by starting cross-border discussion and planning process as a base a question: "how Sami stories/narratives could be as psychosocially and culturally supportive learning material in the Sami communities in Sweden, Norway, Russia and Finland".

### **Objective and aim**

The overall aim of the preparatory project:

- to implement through cross border collaboration a planning process for turning the Sami ArctiChildren Project Application (Sami Stories/Narratives as Psychosocially and Culturally Supportive Learning Material in the Sami communities in Sweden, Norway, Russia and Finland) to the financiers, Interreg IVA North, Sami sub-programme by November 30th, 2009.

The specific objectives of the preparatory project:

1. More detailed information available how to take advance of Sami stories/narratives as resource of learning material to promote psychosocial well-being and cultural identity in educational processes at the Sami communities.
2. Through cross-border planning collaboration to find elements needed of a good project plan (interest group analysis, problem analysis etc.) for the final project application.
3. The final project application of the Sami ArctiChildren Project 2010-2013 followed through

**Project time** 2009-07-01 – 2009-12-31

**Date for decision** 2009-08-26

**Grant amount** 10 000 euro

**Total budget** 15 385 euro

**Public co-financing:** LTU 1 800 euro, Lapplands universitet 3 585 euro

**Project leader;** Eiri Sohlman, **Tel** +358 16 341 341, **E-mail** [eiri.sohlman@ulapland.fi](mailto:eiri.sohlman@ulapland.fi)

## **Preliminary study: Education – immaterial rights**

**Lead partner: Sami Council**

### **Partners**

Sami Council, Sweden

Sami Council, Norway

Sami Council, Finland

### **Background**

Present ownership and copyright system of today is unfavourably for indigenous people. Internationally they are trying to find a solution. Sami Council is striving for with this information and education project to investigate and distribute information about immaterial rights.

### **Objective and aim**

Purpose of this preliminary study is to search solutions for:

- How Sami people themselves shall be more conscious about their rights and possibilities in connection with the Sami culture heritage, especially concerning development of the industry.
- How to strengthen industry concerning the Sami culture heritage.
- How other actors could be better conscious about Sami culture heritage.

### **Project time**

2009-05-01 - 2009-10-31

### **Date for decision**

2009-06-16

### **Grant amount**

5 850 euro

**Public co-financing;** Samerådet sekretariat 1 550 euroa, Samerådet svenska sektionen 1 050 euroa, Samerådet finska sektionen 550 euroa, SAmerådet norska sektionen 1 050 euroa

### **Total budget**

11 000 euro

### **Project leader**

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## **Preliminary study: Industry development in the boundless region of Sami**

**Lead partner: Svenska samernas riksförbund - SSR**

### **Partners**

College in Harstad

### **Background**

Participants and companies in Sami product segment express a large wish that the college in Harstad start a competence developing project within industry development in Sami area. Actors wants that focus in the project will be innovation, product developing and building trademark.

### **Objective and aim**

The preliminary study will make an overview of companies in Norway and Sweden that carry on trade in production and sale of Sami products within the segment “from sea to vast expanses”.

### **Project time**

2009-06-01 - 2009-12-10

### **Date for decision**

2009-06-16

### **Grant amount**

10 000 euro

### **Total budget**

50 400 euro

### **Project leader**

Anders Blom

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## **Preliminary study: SÁFÁ - Investigation into the establishment of a Nordic Sami language center**

**Lead partner:** Sami Council Finland

### **Partners**

Sami Council Sweden  
Sami Council Norway

### **Background**

In the current situation when the Sami language developed more and more in the community and is also used in writing, then there is a need in the Sami community of language advice and standardization services and to those basic language researches. A common Sami language trade center would integrate these services and be able to assist with handing out information and such a center would also strengthen the various Sami languages dialogue among them.

### **Objective and aim**

During the project period, an inquiry should be made on the establishment of a joint research and trade resource in Sami. Among other things, the inquiry will submit proposals to the organization and the manner in which the new center will be linked with existing organizations in relation to technical, business and finance. Also a continuation application of Language Centre experimentation will be designed.

### **Project time**

2010-06-01 - 2010-11-30

### **Date for decision**

2010-06-23

### **Grant amount**

10 000 euro

**Public co-financing;** Sametinget Sverige 1 783 euro, Sametinget Finland 3 602 euro, Sametinget Norge 20 000 euro

### **Total budget**

15 385 euro

### **Project leader**

Siiri Jomppanen

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## Appendix Public co-financing

<b>Financier</b>	<b>Euro</b>	<b>Number of projects</b>
Lapplands förbund / Lapin Liitto (även tidigare Lapin Lääninhallitus)	3 401 013	49
Länsstyrelsen i Norrbottens län	3 188 057	46
Luleå tekniska universitet	1 561 484	31
Troms fylkeskommune	1 028 906	15
Nordlands fylkeskommune	1 015 579	15
Norrbottens läns landsting	1 015 235	22
ELY (även tidigare Lapin ympäristökeskus)	972 590	11
Skellefteå kommun	884 109	6
Haparanda stad	748 978	6
Tornion kaupunki	738 598	5
Nordkalotträdet	689 444	32
Oulun kaupunki	666 762	8
Luleå kommun	593 629	11
Sametinget Norge	503 613	10
Arbeids- og inkluderingsdep	406 917	4
Barentssekretariatet	364 659	3
Region Västerbotten	338 871	8
Nord-Trøndelag fylkeskommune	276 759	4
Finnmark fylkeskommune	248 910	12
Troms fylke	226 640	4
Oulun yliopisto /University of Oulu	217 920	10
Länsstyrelsen i Jämtland	214 881	4
Västerbottens läns landsting	207 081	4
Norskt kulturråd	206 536	4
Fylkesmannen i Nordland	190 967	1
Innovasjon Norge	189 436	5
Kemin Digipolis Oy	188 468	7
Finnmark fylke	180 281	3
Länsstyrelsen i Västerbotten	173 467	6
Nordland fylke	172 771	4
Kemi Tornio yrkeshögskola (KTAK)	167 131	13
RDA Tromsø	165 456	1
Längmanska företagarfonden	165 098	2
Sametinget Sverige	161 006	6
Research found for Northern Norway	160 040	1
Piteå kommun	158 451	4
Ájtte, svenskt fjäll- och samemuseum	153 040	4
Forskningsrådet ColdTech	136 252	1
NVE	121 823	1
ALMI	119 641	3
Tysfjord kommune	117 500	1
Norrbottens forskningsråd	114 416	3
Interactive institute	114 000	1
Nordiska ministerrådet	112 094	2
Tillväxtverket	104 167	1
Trafikverket (tidigare Vägverket, Banverket)	103 142	3
SMHI	102 737	1
Kalix kommun	100 851	7
Tana kommune	100 150	2
Årran - lulesamiskt centrum	100 000	1
Finska kommuner (ej specade)	92 775	4
Kiruna kommun	85 370	5
Umeå universitet	83 760	2
Kolarin kunta	83 145	4

## Appendix Public co-financing

<b>Financier</b>	<b>Euro</b>	<b>Number of projects</b>
Norska utrikesdepartementet	73 880	1
SIVA	73 337	1
Utsjoen kunta	71 599	4
Räddningsverket	70 504	1
Sameskolstyrelsen	70 337	1
Umeå kommun	70 078	3
Arvidsjaur kommun	69 925	2
Jyväskylä universitet	66 215	3
Oulun ammattikorkeakoulu / Oulu university of applied sciences	65 868	2
Fauske kommune	59 782	1
Nordisk kulturfond	59 500	2
Sör-tröndelag fylkeskommune	59 293	2
Arjeplog kommun	57 374	2
Vetenskapsrådet	56 621	1
Bothnian arc	56 445	4
Tana samiske språkcenter	55 400	2
Forskningsparken i Narvik	54 781	1
Jokkmokks kommun	53 172	3
Hedmark fylkeskommune	50 439	1
Metsähallitus	50 228	5
Kuusamo kommun	50 000	1
Landsdelsutvalget	50 000	1
Chydenius	47 501	1
Forskningsm. over reindrifst avtalen	47 445	1
ETC	46 623	1
Bodö universitet	45 928	1
Lapplands universitet	45 890	3
Pajala kommun	45 716	3
Rovaniemi amk	45 616	3
Finska meteorologiska institutet	45 302	1
Työterveyslaitos	45 196	1
Team Botnia	45 000	1
Norut Narvik AS	44 929	2
NLD	43 353	1
Kirke- och kulturdepartementet	43 352	1
KETEK AB	40 361	3
Tiehallinto	40 000	1
Tornedalsteatern	39 299	2
Högskolan i Tromsø	37 205	1
Pohjola-Norden	36 949	4
Centria	36 800	2
Varanger museum	36 250	1
Länsstyrelsen i Dalarna	36 120	2
Kemi Tornio utvecklingsbolag	36 000	1
Länsstyrelsen i Västernorrland	35 781	2
Boden kommun	35 335	3
Rådet för gränskommuner i norr rf	34 489	1
Tvibit	31 250	1
Sametinget Finland	31 097	2
Nordiskt informationskontor	30 748	2
Tornedalsrådet	30 696	3
Tekniska verken i Kiruna AB	30 648	2
Saltdal kommune	29 890	1
Sörfold kommune	29 890	1

## Appendix Public co-financing

<b>Financier</b>	<b>Euro</b>	<b>Number of projects</b>
Oulun seudun ammattikorkeakoulu	29 747	1
Norrbottens museum	29 722	1
Gällivare kommun	27 100	2
Enontekiön kunta	27 000	3
Norges forskningsråd	26 458	1
Narvik Energi AS	25 000	1
Tromsø regionråd	24 595	1
li	24 000	1
Kalajoki	24 000	1
Kokkola	24 000	1
Steigen kommune	23 912	1
Norrbottensmusiken	23 130	2
lin Micropolis	22 961	1
Hålogaland ressurselskap	22 592	1
Skogsstyrelsen Region Nord	22 440	1
The provincial museum of Lapland	22 048	1
Övertorneå kommun	21 943	3
Ylitornion kunta	21 552	3
Reindriftens utv.fond	21 500	1
Handelshögskolan i Bodö	21 080	1
ABM-utvikling	20 708	1
Exportrådet	20 670	2
Beiarn kommune	20 651	1
Inarin kunta	20 350	2
Länsarbetsförmedlingen	20 000	1
Sicomp	19 950	1
Nesseby kommune	19 781	1
Formanskapspuljen/Nordiska ministerrådet	19 707	1
Skolverket	19 171	1
Giron Sámi teáhter	18 082	1
Rovaniemen koulutuskuntayhtymä	18 000	1
Pellon kunta	17 998	1
RHK	17 358	1
Danska utrikesdep	17 117	1
Norrbottensteatern	17 000	1
Int. Centre for Reindeer husbandry	16 800	1
Sametingets kulturråd	16 167	3
Sverigefinska folkhögskolan	16 108	2
Enontekiön kehitys Oy	15 943	2
Beaivvas Sámi Teáhter	15 783	1
Muonion kunta	15 351	2
Föreningen Norden Norrbotten	15 071	6
Älvsby kommun	15 011	2
Uarctic Ealet Institutie	15 000	1
Vattenfall	15 000	1
Lapin tiepiiri	14 650	1
Lantmäteriet	14 448	1
Kulturfonden Sverige-Finland	14 237	1
Östsamisk museum	13 500	1
Lapin ELY-partnerin rahoitus	12 900	1
Cirius/Nordiska rådets ungdomskommitté	12 798	1
Micropolis	12 500	1
Sveriges författarfond	12 300	1
Storfjord kommune	11 949	2

## Appendix Public co-financing

<b>Financier</b>	<b>Euro</b>	<b>Number of projects</b>
Statens kulturråd	10 674	1
Lappia	10 000	1
LKAB	10 000	1
Troms kraft AS	8 880	1
Fauna KF	8 333	1
Oulunkaaren kuntayhtymä	8 070	1
Tampere university of technology	7 600	1
Pohjois-pohjanmaan liitto	7 087	1
Harstad kommune	6 875	1
Kvensk institut	6 250	1
Nordtroms museum	6 250	1
Sveriges militärhistoriska arv	6 050	1
Pohjois-lapin alueyhteistyön kuntayhtymä 5 625 euro,	5 625	1
Rovaniemen kaupunki	5 625	1
Lappia vocational college	5 300	1
Nordland sykehuset	5 000	1
NST	5 000	1
Valtion Tekn. Tutkimuskeskus	5 000	1
Lapplands kommunalförbund	4 612	2
Kemin kaupunki	4 000	1
Siida museum	4 000	1
Varanger samiske museum	4 000	1
Snåsa kommun	3 953	1
Troms reiseliv	3 925	1
Kirkenes næringshage	3 750	1
Sör-varanger kommune	3 750	1
Indre utviklingsselskap	3 708	1
Finnmarkseiendomen	3 650	1
Perämeren jätehuolto Oy	3 604	1
Samerådet Norge	3 550	2
Lapin jätehuolto kuntayhtymä	3 500	1
Kemi Tornio polytechnic	3 412	1
Studieförbundet vuxenskolan	3 017	1
Åarjelsaemien Teatere	2 688	1
Letterstedska föreningen	2 600	1
Föreningen Norden Nord-Norge	2 400	1
Mellersta Österbottens förbund	2 198	1
Norra karelen landskapsförbund	2 198	1
Norra Österbottens förbund	2 198	1
Samkommunen för Kajanlands landskap	2 198	1
Sveriges geologiska undersökning	2 198	1
Kemin Matkailu Oy	1 900	1
Rovaniemi Regional dev agency Ltd	1 800	1
Kittilän kunta	1 708	1
Samerådets sekretariat	1 550	1
Strömsunds kommun	1 434	1
Samerådet Sverige	1 050	1
Kalix folkhögskola	821	1
Samerådet Finland	550	1
Överkalix kommun	500	1
Tornedalens folkhögskolan	300	1

Appendix Public co-funding

<b>Financiers Sweden</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
Länsstyrelsen i Norrbottens län	3 188 057	46
Luleå tekniska universitet	1 561 484	31
Norrbottens läns landsting	1 015 235	22
Skellefteå kommun	884 109	6
Haparanda stad	748 978	6
Luleå kommun	593 629	11
Region Västerbotten	338 871	8
Länsstyrelsen i Jämtland	214 881	4
Västerbottens läns landsting	207 081	4
Länsstyrelsen i Västerbotten	173 467	6
Längmanska företagarfonden	165 098	2
Sametinget Sverige	161 006	6
Piteå kommun	158 451	4
Åjtte, svenskt fjäll- och samemuseum	153 040	4
ALMI	119 641	3
Norrbottens forskningsråd	114 416	3
Interactive institute	114 000	1
Tillväxtverket	104 167	1
Trafikverket (tidigare Vägverket, Banverket)	103 142	3
SMHI	102 737	1
Kalix kommun	100 851	7
Kiruna kommun	85 370	5
Umeå universitet	83 760	2
Räddningsverket	70 504	1
Sameskolstyrelsen	70 337	1
Umeå kommun	70 078	3
Arvidsjaur kommun	69 925	2
Arjeplog kommun	57 374	2
Vetenskapsrådet	56 621	1
Jokkmokks kommun	53 172	3
ETC	46 623	1
Pajala kommun	45 716	3
Tornedalsteatern	39 299	2
Länsstyrelsen i Dalarna	36 120	2
Länsstyrelsen i Västernorrland	35 781	2
Boden kommun	35 335	3
Tekniska verken i Kiruna AB	30 648	2
Norrbottens museum	29 722	1
Gällivare kommun	27 100	2
Norrbottensmusiken	23 130	2
Skogsstyrelsen Region Nord	22 440	1
Övertorneå kommun	21 943	3
Exportrådet	20 670	2
Länsarbetsförmedlingen	20 000	1
Sicomp	19 950	1
Skolverket	19 171	1
Giron Sámi teáhter	18 082	1
Norrbottensteatern	17 000	1
Sametingets kulturråd	16 167	3
Sverigefinska folkhögskolan	16 108	2
Föreningen Norden Norrbotten	15 071	6
Älvsby kommun	15 011	2
Vattenfall	15 000	1

Appendix Public co-funding

<b>Financiers Sweden</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
Lantmäteriet	14 448	1
Sveriges författarfond	12 300	1
Statens kulturråd	10 674	1
LKAB	10 000	1
Sveriges militärhistoriska arv	6 050	1
Lapplands kommunalförbund	4 612	2
Studieförbundet vuxenskolan	3 017	1
Letterstedska föreningen	2 600	1
Sveriges geologiska undersökning	2 198	1
Strömsunds kommun	1 434	1
Samerådet Sverige	1 050	1
Kalix folkhögskola	821	1
Överkalix kommun	500	1
Tornedalens folkhögskolan	300	1

## Appendix Public co-financing

<b>Financiers Finland</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
Lapplands förbund / Lapin Liitto (även tidigare Lapin Lääninhallitus)	3 401 013	49
ELY (även tidigare Lapin ympäristökeskus)	972 590	11
Tornion kaupunki	738 598	5
Oulun kaupunki	666 762	8
Oulun yliopisto /University of Oulu	217 920	10
Kemin Digipolis Oy	188 468	7
Kemi Tornio yrkeshögskola (KTAK)	167 131	13
Finska kommuner (ej specade)	92 775	4
Kolarin kunta	83 145	4
Utsjoen kunta	71 599	4
Jyväskylän universitet	66 215	3
Oulun ammattikorkeakoulu / Oulu university of applied sciences	65 868	2
Metsähallitus	50 228	5
Kuusamo kommun	50 000	1
Chydenius	47 501	1
Lapplands universitet	45 890	3
Rovaniemi amk	45 616	3
Finska meteorologiska institutet	45 302	1
Työterveyslaitos	45 196	1
Team Botnia	45 000	1
KETEK AB	40 361	3
Tiehallinto	40 000	1
Pohjola-Norden	36 949	4
Centria	36 800	2
Kemi Tornio utvecklingsbolag	36 000	1
Sametinget Finland	31 097	2
Oulun seudun ammattikorkeakoulu	29 747	1
Enontekiön kunta	27 000	3
li	24 000	1
Kalajoki	24 000	1
Kokkola	24 000	1
Iin Micropolis	22 961	1
The provincial museum of Lapland	22 048	1
Ylitornion kunta	21 552	3
Inarin kunta	20 350	2
Rovaniemen koulutuskuntayhtymä	18 000	1
Pellon kunta	17 998	1
Enontekiön kehitys Oy	15 943	2
Muonion kunta	15 351	2
Lapin tiepiiri	14 650	1
Lapin ELY-partnerin rahoitus	12 900	1
Micropolis	12 500	1
Lappia	10 000	1
Oulunkaaren kuntayhtymä	8 070	1
Tampere university of technology	7 600	1
Pohjois-pohjanmaan liitto	7 087	1
Pohjois-lapin alueyhteistyön kuntayhtymä 5 625 euro,	5 625	1
Rovaniemen kaupunki	5 625	1
Lappia vocational college	5 300	1
Valtion Tekn. Tutkimuskeskus	5 000	1
Kemin kaupunki	4 000	1
Perämeren jätehuolto Oy	3 604	1
Lapin jätehuolto kuntayhtymä	3 500	1
Kemi Tornio polytechnic	3 412	1
Mellersta Österbottens förbund	2 198	1
Norra karelen landskapsförbund	2 198	1
Norra Österbottens förbund	2 198	1
Samkommunen för Kajanlands landskap	2 198	1
Kemin Matkailu Oy	1 900	1
Rovaniemi Regional dev agency Ltd	1 800	1
Kittilän kunta	1 708	1
	7 (11)	

## Appendix Public co-financing

<b>Financiers Finland</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
Samerådet Finland	550	1

<b>Financiers Norway</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
Troms fylkeskommune	1 028 906	15
Nordlands fylkeskommune	1 015 579	15
Sametinget Norge	503 613	10
Arbeids- og inkluderingsdep	406 917	4
Nord-Trøndelag fylkeskommune	276 759	4
Finnmark fylkeskommune	248 910	12
Troms fylke	226 640	4
Norskt kulturråd	206 536	4
Fylkesmannen i Nordland	190 967	1
Innovasjon Norge	189 436	5
Finnmark fylke	180 281	3
Nordland fylke	172 771	4
RDA Tromsø	165 456	1
Research found for Northern Norway	160 040	1
Forskningsrådet ColdTech	136 252	1
NVE	121 823	1
Tysfjord kommune	117 500	1
Tana kommune	100 150	2
Årran - lulesamiskt centrum	100 000	1
Norska utrikesdepartementet	73 880	1
SIVA	73 337	1
Fauske kommune	59 782	1
Sör-trøndelag fylkeskommune	59 293	2
Tana samiske språkcenter	55 400	2
Forskningsparken i Narvik	54 781	1
Hedmark fylkeskommune	50 439	1
Landsdelsutvalget	50 000	1
Forskningsm. over reindrifftsavtalen	47 445	1
Bodö universitet	45 928	1
Norut Narvik AS	44 929	2
NLD	43 353	1
Kirke- och kulturdepartementet	43 352	1
Högskolan i Tromsø	37 205	1
Varanger museum	36 250	1
Tvibit	31 250	1
Saltdal kommune	29 890	1
Sörfold kommune	29 890	1
Norges forskningsråd	26 458	1
Narvik Energi AS	25 000	1
Tromsø regionråd	24 595	1
Steigen kommune	23 912	1
Hålogaland ressurselskap	22 592	1
Reindrifftsens utv.fond	21 500	1
Handelshögskolan i Bodö	21 080	1
ABM-utvikling	20 708	1
Beiarn kommune	20 651	1
Nesseby kommune	19 781	1
RHK	17 358	1
Beaivvas Sámi Teáhter	15 783	1
Uarctic Ealet Institutie	15 000	1
Östsamisk museum	13 500	1
Storfjord kommune	11 949	2
Troms kraft AS	8 880	1
Fauna KF	8 333	1
Harstad kommune	6 875	1
Kvensk institut	6 250	1
Nordtroms museum	6 250	1
Nordland sykehuset	5 000	1

<b>Financiers Norway</b>	<b>Total financing (euro)</b>	<b>Number of projects</b>
NST	5 000	1
Siida museum	4 000	1
Varanger samiske museum	4 000	1
Snåsa kommun	3 953	1
Troms reiseliv	3 925	1
Kirkenes næringshage	3 750	1
Sör-varanger kommune	3 750	1
Indre utviklingsselskap	3 708	1
Finnmarkseiendomen	3 650	1
Samerådet Norge	3 550	2
Åarjelsaemien Teatere	2 688	1
Föreningen Norden Nord-Norge	2 400	1

Appendix Public co-financing

<b>Borderless financiers</b>	<b>Total financing</b>	<b>Number of projects</b>
Nordkalotträdet	689 444	32
Barentssekretariatet	364 659	3
Nordiska ministerrådet	112 094	2
Nordisk kulturfond	59 500	2
Bothnian arc	56 445	4
Rådet för gränskommuner i norr rf	34 489	1
Nordiskt informationskontor	30 748	2
Tornedalsrådet	30 696	3
Formanskapspuljen/Nordiska ministerrådet	19 707	1
Danska utrikesdep	17 117	1
Int. Centre for Reindeer husbandry	16 800	1
Kulturfonden Sverige-Finland	14 237	1
Cirius/Nordiska rådets ungdomskommitté	12 798	1
Samerådets sekretariat	1 550	1

## EU Strategy for the Baltic Sea Region

<b>An environmentally sustainable region</b>	
<b>1. to reduce nutrient inputs to the sea to acceptable levels</b>	
	<i>Sammanlänkning av vattenförsörjningssystem</i>
	<i>Forestry impact and water management</i>
<b>2. to preserve natural zones and biodiversity including fisheries</b>	
	<i>Flodpärlmusslan - förstudie</i>
	<i>Restaurering av flodpärlmusselbestånd genom nya metoder</i>
<b>3. to reduce the use and impact of hazardous substances</b>	
	-
<b>4. to become a model region for clean shipping</b>	
	-
<b>5. to mitigate and adapt to climate change</b>	
	<i>IEEB - förstudie</i>
	<i>IEEB</i>
	<i>På gränsen - Rajalla</i>
	<i>Detaljerad översvämningskartering</i>
	<i>Utveckling av myndighetssamarbete i Tana älvdal 2011-2013</i>
	<i>Northern network Climate change</i>
<b>A prosperous region</b>	
<b>6. to remove hindrances to the internal market in the Baltic Sea Region</b>	
	-
<b>7. to exploit the full potential of the region in research and innovation</b>	
	<i>Potential utveckling och demonstration av ny teknik för småskalig vattenkraft - förstudie</i>
	<i>Oljeanalys</i>
	<i>ANACOMPO</i>
	<i>JoHTo</i>
	<i>BERRY</i>
	<i>COBS</i>
	<i>II City v2</i>
	<i>VSP</i>
	<i>DIM</i>
	<i>NAKOMATE</i>
	<i>FATLASE</i>
	<i>Harsh weather testing network</i>
	<i>PROLAS</i>
	<i>NIMO</i>
	<i>Bothnian Arc Steel &amp; Metal Industry</i>
	<i>MEDIA</i>
	<i>Intelligent Road</i>
	<i>Innopenreurskip 21</i>
	<i>Meet, play and learn 2</i>
<b>8. implementing the Small Business Act, to promote entrepreneurship, strengthen SMEs and increase the efficient use of human resources</b>	

<i>Framgångsfaktorer Kvinnors Företagande - förstudie</i>
<i>Norra företagsacceleratoren - förstudie</i>
<i>Bevarande av militärhistoriskt arv - förstudie</i>
<i>Filmbågen A</i>
<i>Filmbågen B</i>
<i>Nordic Business Link</i>
<i>Utveckling av upplevelseindustrinäringen i Haparanda-Tornio</i>
<i>Gränsöverskridande innovation</i>
<i>Business network over the northern borders</i>
<i>Barents Företagar Råd</i>
<i>Cross-Biz</i>
<i>CONNECT Interreg med norra Företagsacceleratoren</i>
<i>Innovativa e-underhållstjänster</i>
<i>Gränslöst entreprenörskap i skolan</i>
<i>Innopreneurship</i>
<i>Bedriftsutveckling i den gränslösa regionen Sápmi - förstudie</i>
<i>Indigenous entrepreneurship</i>
<i>Bedriftsutveckling i den gränslösa regionen Sápmi</i>
<i>Nordic Business Link 2.0</i>
<i>Forum för industriell framtid</i>

**9. to reinforce sustainable agriculture, forestry and fishing**

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**An accessible and attractive region**

**10. to improve the access to, and the efficiency and security of, the energy markets**

<i>Center of expertise for energy in cold climate</i>
<i>Network of expertise for energy in cold climate</i>
<i>Highbio</i>
<i>Highbio 2</i>

**11. to improve internal and external transport links**

<i>Utveckling av Nordkalottens logistik</i>
<i>Ishavsbanen</i>
<i>Travel center</i>

**12. to maintain and reinforce the attractiveness of the Baltic Sea Region in particular through education, tourism and health**

<i>Region Arctica - förstudie</i>
<i>Nordkalottnätverk - hållbar turismutveckling - förstudie</i>
<i>Nordpraktik - förstudie</i>
<i>Sensorband II</i>
<i>Verktyg för utveckling av turismen i Varangenregionen och n:a Lappland</i>
<i>Region Arctica</i>
<i>Gränsleden</i>
<i>Multimodal communication systems - förstudie</i>
<i>Vi r Music</i>

<i>Meet, play and learn 1</i>
<i>Nordic mining school</i>
<i>Gränslöst hav - förstudie</i>
<i>Fritt vårdval</i>
<i>Gränslös omsorg - Rajatonta hoivaa</i>
<i>Gränslös vård II Tornedalen</i>
<i>Nordpraktik</i>
<i>Boundless Bothnian Bay</i>

**A safe and secure region**

**13. to become a leading region in maritime safety and security**

**14. to reinforce protection from major emergencies at sea and on land**

**15. to decrease the volume of, and harm done by, cross-boarder crime**