



Borderless opportunities

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1. Pre-studies
2. Co-financiers

✓ = completed project

Priority area 1 – Research and innovation

Prioritizing research and innovation can result in thriving innovative environments and meeting places in the region. Such innovative environments can be combined to create further development opportunities, into and even further than priority areas in our program. Furthermore, the Nord programme can also help in creating greater cross-border innovation support systems, resulting in the strengthening of innovative environment in the region.

Specific goals and granted projects

1) Companies' ability to commercialize innovation has been enhanced within the region's priority areas.

Nord: CMT, MinNorth, I3, Arctic Energy, Nya möjligheter för CLT, Live Nord, Smart WPC, WAX, WIRMA, VanProd, C3TS, Sea-Surf-Snow, NYEP, SmartCharge, MoreNPBiz, Arctic Airborne

2) Actors in the innovation system have enhanced their ability to participate in the European research arena aligned with the region's priority areas.

Nord: RESEM, NorFaST-HT, RENEPRO, SusMinNor, AMCA, ARCTIC-ecocrete, Flexible – Electrodes, ON-SITE

Priority area 2- Entrepreneurship

This priority area in the program aims towards strengthening of a long-term and competitive business market with focus on sustainable growth. A number of small and medium enterprises (SMEs) in the region have limited resources and therefore have inability to create a sustainable competitive advantage. By prioritizing this priority area and putting more focus on the resources, there are possibilities to increase the chances to develop competitive and international companies.

Specific goals and granted projects

1) Increased proportion of SMEs with cross-border business models.

Nord: NBS, Ny mat från Arctic, BMI, Utveckling av Nordkalottens gränstjänsts näringslivsvägledning, ICNBC, CYNIC, Nordic NaBS, Digi-AEC, AIP, ArctiqDC,

2) Increased export among SMEs in the region.

Nord: Arctic Image, VAE, CINEMA, VAE II

Priority area 3- Culture and Environment

By prioritizing the region's culture and environment, the program area's resources can be optimized and the potential added-value can be created where many get a change to participate in the region's rich culture and cultural heritage. Furthermore, a collective effort to increase the use of Sami language, preservation and retainment of the region's nature areas as well as collective efforts towards green development and resource efficiency.

Specific goals and granted projects:

1) The region's culture and heritage have become stronger and more vital

Nord: Tornedalens sommarsik – kultur och kulturarv, Our stories

Sápmi: AIDA, Aktene, Viesso duobddága/Levande landskap, Digital access to the Sámi heritage archives, Beavnardahke

2) Strengthened Sami language within the Sami population

Sápmi: Giellagáldu, Plupp

3) Improved conservation status of natural environments

Nord: Kustmynnande Vattendrag i Bottenviken, Tornedalens Sommarsik, natur och miljö, Arctic Fox Together, Tana River, SEAmBOTH, HALTI

4) The knowledge and expertise about green growth and resource efficiency in the region has increased in the public sector

Nord: Biogas i Tornedalen, EEBAK, Tana River II,

Priority area 4- Common labour market

Cross-border collaboration can provide access to varying skills and competences within different areas and branches, equally in new and extended network promoted at the greater scale. Furthermore, an enlarged and more diversified job market support in increasing possibilities for both public and private labor market players as well as for the manpower. Prioritizing this area will lead to improvement in employment along with free movement of manpower across the borders.

Specific goals and granted projects:

1) Cross-border mobility in the labour market has increased

Nord: NORPÅ, Rampen, Arctic Labour, Bottenviksbågens ungdomar, Academic North

2) Strengthened skills and knowledge development in the Sami enterprises

Sápmi: Biegganjunázat, Sámi musihkkaakademijja

Innovations and Industrial Internet ✓

Goal

The project's goal was to identify crucial factors for innovation and the use of modern digital technology to increase SME's commercialization ability in product and service delivery.

Result

Several national workshops have been carried out ex. with destination companies and business developers within Swedish Lapland, 23 participants; 3D printing seminar Centria Polytechnic Ylivieska, 50 participants from small businesses; international students with companies from the project, about 20 participants at each workshop, innovation workshop with Spinab, 10 participants.

Case studies have been conducted with 39 companies. The case studies have included investigations, feasibility studies, mapping and demonstrations. The companies have been a key factor for the project as the activities can be described as industrially oriented and applied research. The companies' participation and involvement in the project has therefore been crucial for formulating problems to work with, focusing on demonstrations and support developed and feedback on the project's activities.

Good examples from the project are successful introductions of new products and services, streamlining in manufacturing systems, smart solutions for logistics and inventory, increased knowledge of modern technology at SMF. In accordance with the purpose, the project has worked well as a neutral and creative environment for the companies where access to a broad competence has been offered.

This project's cross-border added value for companies lies in the project managers' understanding of small-scale that matches SME's diversified needs and that they have different skills that will benefit SMEs, ie. critical mass is obtained by collecting different competencies.

The project was nominated for the Regio Stars Awards 2017 and is described as a project example on the EU Commission's website:

https://ec.europa.eu/regional_policy/en/projects/sweden/digitalising-business-from-a-to-sme

Beneficiaries:

LTU, Centria, Högskolan Narvik

Project Duration: 2015-2018

Project Budget: 1 406 539 EUR

EU-funds: 663 532 EUR

IR-funds: 192 860 EUR

Public co-financing: 538 037 EUR

Private co-financing: 12 110 EUR

CMT ✓

Goal

The aim of the project was to increase the international competitiveness of SMEs and to increase their knowledge of modern surface treatment technology (CMT + laser). The project also wanted to study the possibilities of participating in Horizon 2020.

Result

Technological developments were focused on creating innovations to improve productivity, materials and energy efficiency, eg. within mining, offshore and process industry. There is potential for sustainable development by replacing expensive or rare material solutions with high performance coatings on cheaper or more environmentally friendly base materials.

Technical development was carried out in many ways and lots of new benefits were obtained for use in product development. There were goals that during the project, solutions would be ready to be released on the market, but CMT technology is very demanding as welding applications are usually, and participating companies have not yet reached that step yet. The participating companies have future project ideas to take advantage of the project results, but they have said it can take up to five years to get them ready for markets.

The project has delivered several useful and valuable data to help companies move forward in using the CMT technology in future projects. There were several companies that participated in the project, but the results from the research work have also been given a wide spread outside the project in order to benefit as many as possible. The project results would not have been achieved without this type of cooperation. For SMEs and also for larger companies, this has significantly reduced the threshold for using CMT technology. Results can also be compared with previous results in the FATLASE project, where the methods studied had similar goals and together there is now a broad basis for supporting decision-making in development projects.

The project collaboration has also led to applications and participation in Horizon 2020. The project TRINITY (within agile robotics in SMF) has been approved and starts in 2019. Another application, "REFINED - Robust Percussive Drill Technology for Single Descent", has during the time this was written proceeded to step two. Another application for "Refurbishment and remanufacturing of large industrial equipment" will be submitted in 2019.

Beneficiaries: Centria, LTU, UiT

Project duration: 2015-2017

Project Budget: 1 465 634 EUR

Approved EU-fund: 683 444 EUR

Approved IR-fund: 121 951 EUR

Public co-financing: 504 937 EUR

Private co-financing: 155 302 EUR

NorFaST-HT ✓

Goal

The main goal was to update the heat treatment technology from the traditional furnace and flame heating to technologies that are better in efficiency and properties, such as induction and resistance heating.

Result

The NorFast (HT) project has linked the industry's Scandinavian research collaboration and created an attractive research environment for the industry's needs. The main focus of the project was to investigate the possibilities and problems of short heat treatments in the production and processing of steel during different phases ranging from cast material to final product.

The collaboration has offered an exceptional research environment for casting, rolling, heat treatment and tailoring of products. The project has developed three different laboratories for industrial testing of induction heating. The laboratories are located in Nivala, Luleå and Lund. Compared to Japanese and American counterparts, NorFaST-HT co-operation has broader technical possibilities because it does not focus on a separate production process. The NorFaST-HT collaboration offers opportunities for a wide range of processes from the manufacture of bulk steel, to steel production, recycling and even sensors.

The utilization of results during the project is short-term (1-3 years), but one also continuously strives for long-term research collaboration with both those who participated in the project and companies that are not yet part of the consortium. In the project, there were several development areas, eg the possibility of making production machines with modern heat treatment lines based on induction heating, which enables the production of harder steels than before with more cost-effective and environmentally friendly processes than before.

More than 30 reference articles were published, 18 scientific articles were presented at international conferences and 12 were published in scientific journals.

The cooperation has also led to an application being submitted to Horizon 2020, but it was not granted.

Beneficiaries: Oulun yliopisto, LTU,

Lunds Universitet, Mefos

Project Duration: 2015-2018

Project Budget: 1 669 107 EUR

Approved EU-fund: 1 084 921 EUR

Approved IR-fund: -

Public co-financing: 529 186 EUR

Private co-financing: 55 000 EUR

RESEM ✓

Goal

The main objective of the project was to develop new opportunities to use remote sensing data from satellites in mining safety and environmental monitoring in northern conditions.

Result

The research and the practical work carried out in the project focused on evaluating how remote sensing can be utilized in monitoring large dust structures for processing waste and how environmental monitoring can be done in large areas.

Monitoring the stability of the ponds is important for identifying problems at an early stage, so that measures can be taken, and accidents can be prevented. The ground movement can be carefully surveyed by analyzing radar satellite data using a technique called interferometry (InSAR). This project investigated how InSAR could be used to monitor the stability of ponds. The satellites studied could monitor possible movement, although the spatial and temporal resolution may vary and active work on a pond may complicate the interpretation of motion data.

11 companies participated in the project and a total of 15 organizations participated in initiatives that lead to new methods. The collaboration led to two applications; "Smart post-processing and utilization of my waste streams (ProMise)" and "Peatland Biodiversity: Coupling eco-hydrological observations and modeling to assess land use and climate change impacts on ecosystem functions and services" were submitted to Horizon 2020. However, none of the applications further.

Beneficiaries: Oulun yliopisto, LTU,

Norut

Project Duration: 2015-2018

Project Budget: 1 039 024 EUR

Approved EU-fund: 455 000 EUR

Approved IR-fund: 169 512 EUR

Public co-financing: 414 512 EUR

Private co-financing: -

RENEPRO ✓

Goal

The purpose of the research project was to develop, test and present a unique production concept that brings together bioeconomy, metal production and the production of chemicals / fuels. The project aimed at developing bio-based reducing agents that are suitable for use in blast furnaces and which can replace fossil reducing agents.

Result

The results from the RENEPRO project show that bio-based reducing agents can be used as raw material in the blast furnace and that process gases from the steel industry can be used for fuel production. Positive results regarding scalability in the production of bio-based reducing agents were also obtained within the project.

An important conclusion from the project was that the use of bio-based reducing agents in metal production shows a significant CO₂ reduction potential. The project has been carried out in close collaboration between Finnish and Swedish partners. Unique results regarding the possibility of reducing carbon dioxide emissions in the Nordic region have been produced. It is envisaged that the study will benefit both employment and economic growth in the region.

<http://www oulu.fi/pyometen/renepro>

Beneficiaries: Oulun yliopisto, LTU,

Mefos, Future Eco

Project Duration: 2015-2018

Project Budget: 1 160 346 EUR

Approved EU-fund: 754 224 EUR

Approved IR-fund: -

Public co-financing: 385 494 EUR

Private co-financing: 20 628 EUR

SusMinNor ✓

Goal

The purpose of the project was to strengthen cooperation between Lapland and Norrbotten in sustainable mining operations. The regions represent the most prominent regions for the extractive industries on a global scale. The SusMinNor project was implemented to support the recognition that the EU's northernmost regions are important in the mining sector.

Result

The project worked with, among other things, the theme "Sustainable mining - Nordic advanced knowledge" and meant that an electronic and printed version of a guidebook that gathers the good methods for sustainable mining in the north was developed. Web publications can be reached here:

<http://ltu.diva-portal.org/smash/record.jsf?pid=diva2%3A1070321&dswid=-8637>
<https://lacris.ulapland.fi/fi/projects/sustainable-mining-in-the-northernmost-europe--lessons-learned-and-practices-developed%286957fcd4-a410-4459-8aba-24881dcb7353%29.html>

In 2017, Mineral Economics published a special issue about the project
<https://link.springer.com/article/10.1007/s13563-017-0101-3>

The project organized a forum for EU mining regions and raw materials in the North together with DG GROW (Internal Market, Industry, Entrepreneurship and SMEs), The European Innovation Partnership (EIP) on Raw Materials and the European Regional Committee in November 2015. In place there were over 60 participants. The forum was a kick-off for cross-border cooperation and EU networks and the first milestone was to set up MIREU cooperation: <https://ec.europa.eu/growth/tools-databases/eip-raw-materials/en/content/mining-regions-eu>

Based on this collaboration, SusMinNor has supported at least 6 initiatives for applications within Horizon 2020, Interreg Europe, Interreg Nord and NPA.

"Interregional cooperation methods" was a work theme aimed at providing a wider number of regional actors in the mining sector. During the project, two network events were organized, which then continued their work in cross-border collaborations. The events were also used to share common ideas.

Beneficiaries: Lapin liitto, LTU,

Lapin yliopisto

Project Duration: 2015-2016

Project Budget: 220 572 EUR

Approved EU-fund: 143 368 EUR

Approved IR-fund: -

Public co-financing: 77 204 EUR

Private co-financing: -

New possibilities for CLT

Goal

The main goal is to increase knowledge on production of CLT along with understanding varying CLT characteristics. This implies producing new varieties of CLT with new characteristics, introducing CLT in the existing construction processes as well as creating possibilities for an application in the Horizon 2020.

Expected Result

Increased use of CLT by exploring new areas of its utilization as well as increased production of new CLT in the region, in existing as well as new companies.

Project Description

The social structure along with continuous expansion in bigger regions implies the increase in the market for high multiple-storey apartment buildings. Therefore, the wood industry has extensive opportunities to contribute to this social transformation. The existing wood-based construction system in Sweden has a capability to construct 6-8 floored building, while there is a growing demand to construct significantly higher buildings.

To cater to this demand, it is required to have new thinking, innovative solutions and further development in the whole construction system. The preliminary investigations conducted so far have revealed that the rigidity of the walls and floors is important to cope with demands of load capacity and dynamic characteristics. As per various studies conducted up till now, the current cross laminated timber (CLTs) do not meet required standards.

The project will seek potential collaboration partners in Norway to build a CLT-innovation-network of skills and support for the development of companies. Such a developed and diverse innovation-network would increase the likelihood of participation in Horizon 2020-project. Furthermore, the project is going to identify and develop new constructional solutions by simulating and analyzing the material to devise new and competitive solutions. Later, these solutions are going to be tested with help of quicker prototypes to further enhance the process of product development. This part is customer-focused since the pilot project is based on the customer needs. Furthermore, an ongoing insecurity with regards to the quality and characteristics of slabs is needed to be addressed. For example, among other things, the use of these slabs in humid situations is required to be tested for purpose of utilization in both indoor and outdoor products. Lastly, studies on adaptation to new construction processes where CLT is a robust alternative to the traditional material will also be conducted; this will further lead to need for new methods, machines and ways of working.

Beneficiaries: LTU, Digipolis Oy,
Lapin amk, SP Sveriges Tekniska
Institut, Centria

Project Duration: 2015-2018

Project Budget: 1 305 840 EUR

Approved EU-fund: 858 392 EUR

Approved IR-fund: -

Public co-financing: 447 448 EUR

Private co-financing: -

Live Nord ✓

Goal

The main objective of the project was to collect, popularize and visualize various types of cross-border data at science centers in northern Norway, northern Sweden and in northern Finland.

Result

The project has worked out three tools that will be used in the three science centers.

The first tool is a visualization tool that includes real-time data and statistics for a popular science visualization. Themes to be presented to the public in each science center:

- Climate: Snow depth, temperature, wind, CO2 and historical data for snow depth and temperature.
- Aurora Borealis: About the Northern Lights, research (including All Sky camera films from the three countries) and historical data.
- Animal tracking with projects on moose, bear and wolf.
- Regional news.

The second tool is a collection tool that enables science centers and other stakeholders to create a data collection project where the public can contribute data and data, eg photos.

The third tool is an interregional planning tool, which can be used to show regional infrastructures and other things with geographical location, as well as for other social topics where feedback can be visualized as a heat map. Topics such as the Health of Young People and Future Railway Plans were something that was used in demonstrations of the tool.

The project has resulted in:

- Three scientific exhibition stations containing the visualization tool, which are placed in the respective permanent exhibition of the partner institutions' science centers.
- A comprehensive planning tool that facilitates integrated interregional dissemination
- A tool for public participation that enables the acquisition of data via crowdsourcing and facilitates citizen science observation projects
- Improved knowledge in visualization technology
- Enhanced cooperation between Arctic, peripheral scientific exhibition centers
- Enhanced thematic knowledge of the region among the partner institutions
- Increased stakeholder networks for the partner institutions

www.arcticcentre.org/EN/Arktikum/Projects/LiveNord

www.teknikenshus.se/partners-projekt/projekt/livenord/

Beneficiaries: Lapin yliopisto,
Teknikens Hus, Agency 9, Nordnorsk
Vitesenter/ Norut

Project Duration: 2015-2018

Project Budget: 1 202 788 EUR

Approved EU-fund: 490 257 EUR

Approved IR-fund: 224 273 EUR

Public co-financing: 420 591 EUR

Private co-financing: 67 667 EUR

MinNorth

Goal

The vision is to decrease the dispersion of population from mining areas with aim to preserve the unique environment in the northern regions.

Expected Result:

In order to hinder the transfer of pollution from the mining areas, the project is expected to develop new environmental techniques, commercialize and widen the applicability of existing environmental techniques.

Project Description:

In this project, the evaluation and widening of related areas is to be carried out for technical sampling and environment measurements at the pilot and field level, before the actual products, instruments and services can be commercialized and implemented by the small and medium companies located in the region. It is also important to develop cost effective and environment- friendly sampling methods of analyses. The overall aim is to decrease the environmental affects as result of mining operations in the region.

Four different types of techniques are going to be developed:

- 1) Development of a method that can trace the transfer of pollutants in the mines, mining areas and in the surroundings by integrating geo-physical and geo-chemical methods.
- 2) The construction of wetlands in order to decrease nitrogen and metals, bio absorption materials to lower the metals and nitrites.
- 3) Covering methods for marine disposal of residues.
- 4) Development of covering system for protection of waste from the mines.

Beneficiaries: LTU, GTK, Oulun

yliopisto, UiT

Project Duration: 2016-2018

Project Budget: 1 411 346 EUR

Approved EU-fund: 663 904 EUR

Approved IR-fund: 185 468 EUR

Public co-financing: 556 974 EUR

Private co-financing: 5 000 EUR

Arctic Energy

Goal

1. To develop and test a simulation method for modelling of self- sustaining and carbon-free regional production of renewable energy in the rural areas of the north.
2. To implement the established simulation methods as a tool for enterprises existing in the area.
3. To create a competence-network between enterprises and research project.

Expected Result:

As a result to this project, the use of renewable energy will be increased. This will further create new opportunities for business operations, markets and service opportunities for SMEs, in addition to opportunities for equipment vendors, service providers and energy distributors existing in the area.

The project is going to result in two competence-networks.

Project Description:

A developed planning model is to be tested in several different areas in northern parts of Sweden, Norway and Finland. With the help of the model one can do several estimations with regards to transference to renewable energy, to be studied on an area (for example in a municipality, part of a city/town or any other community).

Furthermore, one can even review different hybrid models for renewable energy, assess their profitability in different energy production alternatives, and compare them with other energy resources, for example, oil. The model is going to help in decision making, thereby optimizing energy production already at planning stages.

A network, consisting of enterprises and research and development organizations participating in development of simulation model, is also going to be created in this project. Out of this, the project seeks to further build a network of companies which can provide service of ´ modeling of renewable energy production ´, which is to be applied in the company's sales to the pilot project items to begin with. Upon completion of the project, a complete service and production concept along with compiled references is expected to have been established. The simulation model will help in smartly mapping future powerlines. The project seeks partners specializing in intelligent networks in order to form a consortium. This will further help in crafting international applications in various programs, such as Horizon 2020.

Beneficiaries: Iin Micropolis, LTU,

Lapin amk, Centria, Norut Narvik, UiT

Norges Arktiske universitet

Project Duration: 2016-2018

Project Budget: 1 316 127 EUR

Approved EU-fund: 585 968 EUR

Approved IR-fund: 207 317 EUR

Public co-financing: 518 769 EUR

Private co-financing: 4 073 EUR

Smart WPC

Goal

The project aims to develop functionalized wood plastic composites (WPC) and hybrid materials. This will be done by combining the functionalized WPC and high-performance fibers from regenerated cellulose (MMCFs) to extend the use of WPC to more advanced applications.

Expected Result:

- Production of sound and heat insulating WPC with electrical functions and improved structural properties (pilot scale).
- Design and manufacture of hybrid structures based on functionalized WPC and high performance regenerated cellulose, to develop advanced composite products for the construction, transport and electronics industries.
- Development and validation of accelerated test method (ATM), which can be used in both academia and industry to predict the long-term properties of polymeric composite materials.
- Dissemination to the academic, business and the public; organize seminars, courses and workshops with audience customized content and focus, scientific publications, new R & D projects in the field of bio-based composites after the project end.

Project Description:

The project is to mobilize research efforts in the northern regions of Sweden and Finland, and to stimulate cooperation between R & D actors and industries for the development of bio-based functional materials. Functionalized WPC and high performance cellulose fibers (MMCF) should be tailored for different application areas. The project will conduct joint research activities and disseminate the results to those industries that are looking for sustainable solutions with innovative materials and cost-effective processing techniques to generate economic and environmental benefits. The project will initiate pioneering work to introduce new features in the commercially applied bio-based composite materials. This will expand the fields of application of these materials to more advanced applications, such as flooring with built-in de-icing, structural designs for flexible electronics (printed circuits and antennas, electronic components, parts for electric vehicles). With the help of the project, the economic and social value of forest resources in the region will increase, thus favoring sustainable development of industry and society. The knowledge obtained in this project can be used by universities to increase awareness of new opportunities for bio-based materials and eco-efficient manufacturing. R & D actors will help SMEs to develop their skills to match the new capabilities of the developed materials, training, consulting and business projects, which will also benefit the growth of business and jobs.

Beneficiaries: Sicomp, LTU, Centria

Project Duration: 2017-2019

Project Budget: 1 049 500 EUR

Approved EU-fund: 682 174 EUR

Approved IR-fund: 0 EUR

Public co-financing: 367 326 EUR

Private co-financing: 0 EUR

WAX

Goal

The project's goal is to develop methods that enable extraction of natural wax from cranberries and blueberries. Natural wax should be analyzed with scientific methods and its chemical and physical characteristics will be compared with other available waxes. Potential use in technical applications, such as biocomposites will be studied theoretically and experimentally. Natural wax based products must also be analyzed from the business and marketing of views with the aim of exploring new niche applications and new products. The project will increase awareness of this valuable Arctic natural resource.

Expected Result:

- The project has created societal interest, increased awareness and appreciation of our northern natural resources.
- The project will contribute to improving the bio-economy and circular economy and contributed to the "smart specialization" in the Arctic region.

Project Description:

In the Arctic and Scandinavia, there is an excellent resource in berry wax which is currently not utilized. Extraction of natural wax provides opportunities to develop new business and commercialization of new products. This is likely to increase the interest in the berries efficient use compared to the current 5-10% of the annual berry harvest that is taken advantage of today. The project partners in Finland, Sweden and Norway has expertise in various fields such as plant biology and genetics, berry industry, bio composite technology, chemical and physical analysis and processing. This wax may prove to be a very valuable natural resource if it can be recovered economically.

Beneficiaries: Oulun yliopisto, Oulun amk, LTU, NIBIO

Project Duration: 2017-2019

Project Budget: 1 000 797 EUR

Approved EU-fund: 510 212 EUR

Approved IR-fund: 115 854 EUR

Public co-financing: 374 731 EUR

Private co-financing: 0 EUR

WIRMA

Goal

The project's vision is to achieve full readiness for rapidly changing weather conditions in the Arctic traffic. The project's ultimate aim is to research and demonstrate a viable industrial internet systems as decision support for road maintenance in winter through smart devices and sensors that are connected to computers, real-time analyzes and forecasts and simulations.

Expected Result:

- 1) Research and demonstration of a new hybrid optical measurement technique that can provide nearly complete characterization of winter conditions, which provides significant new data on winter conditions.
- 2) Research and demonstration on modern vehicles based IoT solutions and related road weather sensors that enables data collection vehicles in real time.
- 3) A demonstration version of the support system for government decisions about winter maintenance of the northern and Arctic routes. The aid scheme is based on vehicle-based observations in real time and on projections developed on the basis of the observations.
- 4) A framework for planning the winter maintenance of the road infrastructure in weather conditions with rapid changes
- 5) Research and demonstration of the production of better road condition and road weather projections based on vehicle-based observations
- 6) Examination of how the result of the project affects the value of the network and the community, including the results of scalability and replicability.

Project Description:

The need for transport in the north faces major challenges through more heavy transport the commodity-intensive industry, increased tourism and more private trips. This transportation needs require secure, accessible and sustainable road infrastructure in all types of weather and road conditions. Today, the winter road maintenance is much based on stationary weather stations that report the meteorological data, as well as subjective reporting of vehicles and controllers. By transmitting real-time data from vehicles travelling on the road to a cloud-based system, a comprehensive real-time view of the prevailing conditions on the roads is generated. The development of visualization and decision support on the basis of the new information will create a more efficient winter road. External measurement and data communication system will be placed on the vehicle to demonstrate a commercializable Industrial Internet optimum solution for winter

Beneficiaries: Lapin amk, Ilmatieteen

laitos, Foreca oy, LTU, Casselgren

Innovation AB, UiT

Project Duration: 2016-2019

Project Budget: 1 171 733 EUR

Approved EU-fund: 528 391 EUR

Approved IR-fund: 164 836 EUR

Public co-financing: 397 142 EUR

Private co-financing: 81 364 EUR

VanProd

Goal

The main goal is to develop vanadium recovery technologies for solid and liquid wastes, which are currently not utilized in Nordic area and additionally pose an environmental threat to the surrounding milieu.

Expected Result:

The main outcome will be the optimized chemical and/or biological extraction process for different solid wastes and the optimized recovery process for liquid wastes that can be utilized by the companies.

Project Description:

1. Characterize vanadium wastes in the Nordic region. We plan to sample waste materials and leachates from several sites (Mustavaara, Selvåg, Tellnes, and Bruvann) and investigate their chemical, mineralogical, and microbial properties.
2. Develop an innovative extraction methodology for vanadium from solid mineral waste with chemical and biological leaching.
3. Develop vanadium recovery from liquid waste streams.
4. Implement/modify the vanadium recovery system from pregnant leach solutions.
5. Increase the competitiveness of Nordic industries in the growing international market for clean technology that can be implemented by SME.

Beneficiaries: Oulun yliopisto, UiT,

Kjeøy Research and Education Center

Project Duration: 2017-2020

Project Budget: 883 865 EUR

Approved EU-fund: 194 176 EUR

Approved IR-fund: 292 042 EUR

Public co-financing: 306 672 EUR

Private co-financing: 90 975 EUR

C3TS

Goal

The overall objective of the project is to increase international competitiveness for regional SMEs in the engineering industry by introducing 3D writing in metal as new manufacturing technology.

Expected Result:

- Identify, develop and establish a long-term arctic cooperation platform for metal component manufacturing using 3D writing, where regional experts from industry and academia between the three countries can meet and collaborate
- Mobilize regional SMEs in manufacturing and support at different levels that ultimately lead to the implementation of 3D writing
- Develop new approaches to 3D writing research that enable future SME affairs for the region

Project Description:

The project will create a collaboration platform that supports the regional engineering industry to implement 3D writing technology for mainly metallic products. Globally, 3D writing has recently emerged as a promising alternative.

The project aims to support companies in the region to participate in a simplified production process through the project for creating, 3D writing, testing and selling innovative parts and products of metal. Within the project, industry and academy experts will meet to jointly allow innovative design design and then 3D print demonstration models. For these demonstration models, the project will also develop new testing methods and create and analyze new business models.

The project will also investigate a new recycling technique, which means that metal scrap is melted by a laser beam and a new product is created from the drops. Another idea that will be tested in the project is to use metal ore powder from mines to create new products, this technique would avoid costly manufacturing processes for new powders.

Oulu University is currently installing the first 3D metal printer in the region, which will be used in the project to print produced prototypes. Luleå University of Technology comes in the project to provide laser lab for basic studies for 3D writing. The University of Tromsø assists in the project with skills in innovation platforms, business models, market analyzes and opportunity and risk analyzes.

Beneficiaries: LTU, Oulun yliopisto, UiT

Project Duration: 2017-2019

Project Budget: 945 676 EUR

Approved EU-fund: 479 106 EUR

Approved IR-fund: 104 029 EUR

Public co-financing: 307 294 EUR

Private co-financing: 46 000 EUR

Sea-Surf-Snow

Goal

The project aims at creating better resource utilization of the region's natural resources by producing lightweight, durable composite materials made of seaweed for surfboards and snowboards.

Expected Result

Seaweed are used primarily for food energy and, to a lesser extent, for fibers. The project aims to investigate how you can use biorestories from production to create new products using available technology and knowledge, thereby creating processes and products with low energy footprint and better use of the entire raw material.

Through the project, you can increase the profitability of the companies that work with composites, which in the long run create more sustainable and attractive products. This in turn creates a broader customer base and creates a new business area based on a sustainable resource.

Project Description

Luleå University of Technology has the competence to produce composites and nanocomposites of natural fibers and will support the companies in basic research and development in laboratory scale. The companies involved help with harvesting and processing of seaweed and composite production and product design.

In Norway, there is access to and knowledge about seaweed at Northern Company, which is a company that harvests and sells seaweed. They will harvest the seaweed two times and make a chemical analysis of the seaweed that will provide knowledge about how to handle it to make sheets of composites.

Midnight Composites in Sweden deliver products and services in advanced fiber composites, and in the project, they investigate a composite casting method using liquid resin to make sheet composites.

Treeform in Finland is a design and product development company focusing on finding nature-inspired solutions. They will develop a sandwich construction with seaweed and carbonized nanomaterials that will be tested in a snowboard demo.

Beneficiaries: LTU, Treeform, Midnight

Composites AB, The Northern company AS

Project Duration: 2017-2018

Project Budget: 133 579 EUR

Approved EU-fund: 71 925 EUR

Approved IR-fund: 9 756 EUR

Public co-financing: 34 530 EUR

Private co-financing: 17 368 EUR

AMCA

Goal

The primary goal is to create an architecture of arctic communications and a roadmap. When the gaps and the required support and their timelines are put together, the result is the roadmap that describes what is needed and when by whom.

Expected Result:

The first expected result is a research report describing the architecture and roadmap for the implementation of data transfer in the arctic area. The second result is one or more Horizon 2020 applications, where solutions to problems identified in the roadmap are presented. The third is to inform about the results of the project to leaders, politicians, companies, researchers and the public in the region.

Project Description:

Telecommunication capabilities in the Arctic and north remote areas do not correspond modern state. This means that industry, society, education and people in the area do not enjoy the benefits of digitalization like others do

The aim of the project is to describe how the problem could be solved by creating the architecture of arctic communications solution. When the gaps and the required support and their timelines are put together, the result is the roadmap that describes what is needed and when by whom. The roadmap allows to create projects as well as regulatory and political process that will solve the problems related to the acritical communications solution.

Local industry from Finland and Sweden has been invited to participate in the project's advisory group, including representatives from Norwegian universities.

Beneficiaries: Oulun yliopisto. LTU

Project Duration: 2017-2019

Project Budget: 375 713 EUR

Approved EU-fund: 244 215 EUR

Approved IR-fund: -

Public co-financing: 131 498 EUR

Private co-financing: -

NYEP

Goal

The project will strengthen the competencies of participating actors in the field of flue gas purification and create an international reputation for the technology, which today is not used commercially to any significant extent.

Expected Result:

- The long-term stability of the absorption plant is determined by at least one year of continuous operation
- A techno-economic evaluation of the market in the Nordic countries is presented as a basis for assessing the potential of technology
- A sustainability assessment of the technology has been carried out
- In positive research results, design of biofuel fuel systems should be developed in close cooperation with industry.
- Trying alternative fuels gives interesting suggestions to new markets for the mining industry
- Sewage combustion with levels of flue gases within the emission requirements of smaller plants allows for less locally located combustion plants

Project Description:

A large number of biofuel-fueled fireplaces exist within the region and constitute potential applications for the intended technology. Effective flue gas purification for small and medium-sized heat plants is not available today and the current technology that the project will test will result in positive research results to create new products.

Both northern Sweden and northern Finland have a significant engineering industry, which are potential stakeholders to produce a commercial product for flue gas treatment. Four Swedish and six Finnish companies will have access to knowledge about the technology that is built up through the project. The project will also investigate flue gas purification on the burning of biopellets containing residues from mining activities to investigate the potential for utilizing energy currently unused.

By jointly developing and disseminating knowledge about cheaper systems for flue gas purification that meet environmental requirements, technology can be of interest to municipalities in the region, while reduced transport results in less environmental impact.

At Luleå University of Technology there is knowledge about flue gas purification with absorption technology. Luleå University of Technology and Oulu University also have skills in CFD technology that complement each other. Oulu University has competence in sustainability research as well as measurement and analysis of flue gases. Lapin AMK has specific expertise in the creation of pellets by mixing mines with biofuel. Lapin AMK and Oulu University also have knowledge about techno-economic analyzes.

Beneficiaries: LTU, Lapin amk,

Oulun yliopisto

Project Duration: 2018-2020

Project Budget: 802 873 EUR

Approved EU-fund: 521 844 EUR

Approved IR-fund: -

Public co-financing: 281 029EUR

Private co-financing: -

ARCTIC-ecocrete

Primary goal of the project

The overall objective of the project is to improve the competitiveness, vitality and employment of the arctic area by, in collaboration with the northern region's most important research and business partner, improving concrete species and production technologies that are environmentally friendly, energy efficient and utilize sustainable regional tributes from industry and power plants.

Expected Result:

The expected result is a strong, regional and cross-border cooperation network between cement and concrete researchers and industry.

Another significant result is an innovative, more competitive and vital business. The expected result in the technical part is for field conditions complete, organic concrete solution suitable for winter concrete and enables concrete casting at temperatures down to -25 ° C and also withstand long transport distances.

Project Description:

The northern and cold climate, the long distances and the polar night represent a challenge for concrete construction. All of these factors are new challenges that require innovative solutions to ensure safety and quality in construction. A significant disadvantage and brake for building and development in the northern area is avoiding building during the most demanding winter months to reduce risks. This leads to greater construction costs and layoffs of competent employees, which you sometimes lose. If it is not possible to find good solutions, all these factors can together prevent or reduce the desired development in the northern area. In the northern area millions of tons of inorganic industrial waste are generated annually. The bulk of this consists of the mining industry's waste stone and enrichment sand. Other significant waste materials consist of fly ash generated by burning peat and wood and the slag of the metallurgical industry. These wastes are currently mostly on dumps or landfills, although they could at least partly be used as raw materials in cement and concrete. Waste management costs are increasing as legislation limits the use of dumps and landfills. In the northern area surrounded by untouched and vulnerable nature there is a great need for sustainable use of this waste material. In addition, the use of these waste materials in local construction would reduce produced CO2 emissions compared to traditional cement production and would enable growth of responsible and sustainable industry.

Beneficiaries: Oulun yliopisto, LTU

Project Duration: 2018-2020

Project Budget: 1 364 343 EUR

Approved EU-fund: 547 456EUR

Approved IR-fund: 261 029 EUR

Public co-financing: 409 516 EUR

Private co-financing: 146 342 EUR

Flexible Transparent Conductive Films as Electrodes

Goal

The project will channel the excellent but individual research competencies of coal-based nanomaterials in northern Sweden and Finland for the benefit of the region's technology-based industries.

Expected Result:

- To develop a validation triangle between participating universities to manufacture, characterize and model carbon based nanomaterials, as well as thin film electrodes based on these.
- Developing computer models to effectively investigate the characteristics of the functionalized graph and metallic carbon nanotubes.
- To study the characteristics of the functionalized graph and metallic carbon nanotubes for use in thin film electrodes by means of simulations.
- To design and implement new experimental methods for inkjet writing of thin film electrodes.
- Experimentally evaluate the mechanical, electrical and optical properties of inkjet thin film electrodes.
- Identify new areas, technologies and industries that can benefit from improved thin film electrodes, and disseminate knowledge to companies in the program area by organizing workshops.
- Publishing scientific articles in highly rated journals to maximize the spread of our knowledge to researchers and companies in the world.
- To jointly organize a session at an international conference focused on thin film electrodes made of carbon nanomaterials.
- To broaden cooperation between the three participating universities and industry-based partners in the region.

Project Description:

Transparent, conductive and flexible electrodes are one of the most important components of the development and design of new consumer electronics for everyday use. Currently, such electrodes are based on expensive metals such as indium, which is one of the more rare metals in the earth's crust. Manufacturing is also done at high cost and with advanced technology. The project proposes technologies for developing flexible, transparent and conductive electrodes based on integrated metallic carbon nanotubes, functionalized graphs and abundant metals. The goal is that the electrodes should be able to manufacture with scalable processes, such as spray coating, or so-called scroll-to-roll printing.

Beneficiaries: LTU, UmU, Oulun

yliopisto

Project Duration: 2018-2020

Project Budget: 944 363 EUR

Approved EU-fund: 613 836 EUR

Approved IR-fund: -

Public co-financing: 330 527 EUR

Private co-financing: -

SmartCharge

Goal

The main objective of the project is to promote the introduction of smart and energy-efficient solutions for responsible service production and to support the emergence of new innovations in forward-looking sectors, such as construction, energy, vehicle and tourism industries.

Expected Result

1. How electric vehicles, e.g. powered scooters can have two roles.
2. Plan and test a complete V2G / B concept, which is based on open standards and protocols (eg, ISO 15118, OCPI, OCPP v1.6 & amp; 2.0)
3. The influence of Arctic conditions on battery energy storage and bidirectional energy transfer
4. Determine the technological and economic and social impacts of innovation policy related to points 1-3 above.
5. Promotes and disseminates the results obtained via multiple channels, e.g. seminars, courses, trade journals and conferences, including CIRED, Powertech and EVCC. Publications and reports: a) Report on the situation on the markets and for the technologies, assessment of the most important interest groups and recommendations for the development of business models. b) A scientific report on the research results, c) General information in all countries
6. 3-4 scientific / professional articles

Project Description

The main objective of the project is to produce new knowledge of the Vehicle-to-Grid (V2G) solutions' commercial and technical opportunities and challenges using three pilot projects. The pilot projects are carried out in Mehamn (Norway), Jukkasjärvi (Sweden) and Lehtojärvi (Finland). In these pilot projects, local systems are created with the help of electric vehicles (electric scooters, electric cars) used as energy storage, and at the same time the implementation is examined from a technical and commercial perspective. Through research and development, the project wants to speed up the companies' investments in energy-efficient solutions with renewable energy, which would also reduce greenhouse gas emissions.

Beneficiaries: Lapin amk, UiT

Project Duration: 2019-2022

Project Budget: 513 144 EUR

Approved EU-fund: 181 190 EUR

Approved IR-fund: 116 707

Public co-financing: 215 247 EUR

Private co-financing: -

MoreNPBiz

Goal

The aim of the project is to develop / improve the competitiveness and establishment of the natural product companies in the international market by:

- promoting the development of energy-efficient drying methods so that the quality of the products is maintained
- developing appropriate quality verification methods that companies can use to demonstrate the level of vital substances in, among other things, dried raw material

Expected Result

Expected results are:

- a mapping of potential sources of energy within the program area
- an information package on energy-efficient drying techniques for selected plants
- instructions on the function of the drying units
- recommendations and examples of how the energy efficiency and the quality of dried plants can be improved in selected existing drying systems
- examples of how alternative drying techniques and drying processes affect the quality of selected plants
- information packs on tested and economically profitable quality verification methods and laboratory services for various plants
- assessment of the energy models and process industry partnership models
- proposals for commercial symbiosis
- strengthened cooperation networks between organizations active in the industry.

Project Description

Health and environmentally conscious consumers are a trend that greatly changes the market. Outside the world, the demand for natural products that are perceived to be healthy has become a megatrend.

Drying fresh plant material is a very common conservation / treatment method in the natural product industry. However, drying requires a lot of energy and this cost can amount to 70 percent of the manufacturing process. The economic profitability of business operations in the natural product industry can be improved only if the drying technologies and the use of waste energy are made more effective. Dryers have been developed mainly in Northern Finland, but they have not been commercialized.

The EU 2020 strategy emphasizes smart and sustainable growth. New work opportunities can be created in the countryside if the Nordic natural product industry is developed and the raw materials are processed in the home country.

Beneficiaries: Centria, LTU,

Hushällningssällskapet, Oulun amk

Project Duration: 2019-2020

Project Budget: 915 722 EUR

Approved EU-fund: 578 344 EUR

Approved IR-fund: -

Public co-financing: 337 378 EUR

Private co-financing: -

ON-SITE

Goal

To examine in Finland, Sweden and Norway the principles for how such sewage systems are handled that are not connected to sewage networks, as well as highlight best practices, strategies and regulations that generate the best result in terms of both environmental protection, socio-economics and sustainable development.

Expected Result

- review of the principles for the management of sewage systems that are not connected to the sewer network, as well as best practices and operating models.
- examination of possible shortcomings in the knowledge of the purification effect and environmental impact of the small-scale sewage systems (regulated and non-regulated substances).
- Increased competence on the sewage systems' cleaning effect and environmental impact.
- increased competence in wastewater treatment, monitoring and impact assessment of the state of the environment.
- innovative biotechnology processes and methods.
- increased collaboration between interest groups, research institutes and industry, and improved business relationship between research, innovation and technology in the program area

Project Description

The Nordic countries have partly similar rules when it comes to environmental protection and sewage, but there are clear differences in the control of the small sewers (regulations / laws / supervision). The project will examine the guiding principles for small sewers in Finland, Sweden and Norway. The project will describe and compare the strategies for small sewers in the three countries in terms of permits, supervision and function control. The project will also build cooperation between the countries and the various actors in the industry, ie. universities, companies, municipalities and authorities in Sweden and Finland to work together to implement innovative solutions and sewage systems with good function. Through the cooperation of different actors in the two countries, experiences and knowledge will be shared and problems will be solved by learning from each other.

Beneficiaries: Oulun yliopisto, SYKE, LTU

Project Duration: 2019-2021

Project Budget: 776 503 EUR

Approved EU-fund: 504 728 EUR

Approved IR-fund: -

Public co-financing: 271 777 EUR

Private co-financing: -

Arctic Airborne 3D

Goal

The main objective of the project is to conduct pilot studies in northern conditions that enable companies to increase their competitiveness and find a more sustainable way of working. The main purpose of the project is to create innovations through drone technology. The technology innovations are demonstrated across borders for the partners in tourism, municipal activities, road maintenance and reindeer husbandry.

Expected Result

1. Solve the current problems of the Arctic municipalities and tourism companies and their service providers using the latest drone technology
2. Solving problems for reindeer husbandry and service providers in the Arctic region using the latest drone technology
3. Developing business models and demonstrating their added value to help entrepreneurs start using drone technology and create drone-based services
4. Adapt the latest drone technology to solve the problems in sub-goals 1-4, where the problems to be solved are: 1) more refined analyzes and forecasts of road and snow conditions, as well as analyzes of snow depth and ice thickness, 2) snow and ice formation in hydro power plants and on wires, 3) extended flight time from 30 minutes to 2-5 hours, extended flight distance from today's 5 km so that it is possible to operate within the entire 3G network area (hybrid communication) and outside (3D / GPS), analysis and visualization of the coverage in the positioning network and improve coverage for the reindeer positioning band with drone-based "preliminary masts".

Project Description

The Arctic Airborne 3D project focuses on industrial research that utilizes innovative drone technology, visualization and sensor and localization technology. Research experts from Finland, Sweden and Norway create a whole that meets the needs of the planned innovations and demonstrations. Interaction methodology is also used in the project to develop and demonstrate business models for drone applications in the Interreg Nord area.

Beneficiaries: Centria, Ilmatieteen

laitos, LTU, Maailmasta Oy

Project Duration: 2019-2021

Project Budget: 952 071 EUR

Approved EU-fund: 616 417 EUR

Approved IR-fund: -

Public co-financing: 306 013 EUR

Private co-financing: 30 000

Nordic Business Support ✓

Goal

The aim of the project was to create collaborations, form clusters, to enable larger and better business between the region's small and medium-sized companies.

Result

The project has used business support models and working methods developed in previous projects to support existing and new companies in the northern parts of Finland, Sweden and Norway. One of the most important long-term effects was to promote trade and cooperation between SMEs in the region and also in cross-border activities.

The NBS project has increased the competitiveness of small and medium-sized companies, has strengthened international cooperation between small and medium-sized companies, has increased the understanding of regional similarities and differences in trade and sales and it became new opportunities for clusters or group activities for participating companies.

TK-Eval has evaluated the project. The result of the evaluation was mostly positive, eg that a large part of the companies have received new customers or cooperation contacts via the project.

72 companies participated in cross-border marketing efforts for internationally oriented companies. 761 people participated in business development initiatives and 1,533 people participated in competence development initiatives for SME's internationalization.

Beneficiaries: Oulun kaupunki,
Norrbottens Handelskammare,
Bedriftskompetanse AS

Project Tid: 2015-2018

Project Budget: 1 885 657 EUR

Approved EU-fund: 800 800 EUR

Approved IR-fund: 310 244 EUR

Public co-financing: 651 362 EUR

Private co-financing: 123 251 EUR

Arctic Image ✓

Goal

The aim of the project was to create an intensified and more strategic cooperation between the AV industry and other industries, especially with the tourism industry and regional marketing.

Result

One of the project's sub-goals was an increased production volume within the project region. During the project period, 24 feature films, 8 documentaries, 13 short films and 18 television productions were produced in the project region. 24 of these were international productions. Arctic Image helped the production to find suitable film recording locations in the project area through location scouting, which was carried out for 60 productions, of which 17 were international, during the project (22 in Norway and 38 in Finland). 20 of these were then produced in Norway and 18 in Finland.

The project also wanted to increase the visibility of the region, but it is difficult to estimate how large the total visibility is from the productions that were filmed in the regions during the project, but for example the series Chongqing cuisines alone had 5.2 million viewers in China. The project's rough estimate is that a total of 11.3 million viewers (in home markets) have seen the productions that have been filmed in the region in which the Arctic image project worked. Project results will continue to be realized even after the project period, when productions are still on the market.

During the project, a total of 42 companies participated in project activities and received support from the project by allowing them, for example, to participate in international marketing activities. In addition, productions that have been filmed in the region have used services from approximately 178 companies, which then indirectly received benefits from the project activities.

Several cross-border co-productions have been made during the project, which would not have been possible to co-produce without the support of the Interreg Nord program. Networks created during the project have helped producers find partners from other regions. Feature films Oskars America, produced between Norway and Sweden, the National Team (co-produced between Finland-Norway-Sweden), Starboy (co-produced between Finland and Sweden) and Heavy Trip (co-produced between Finland-Norway) are some examples of cross-border cooperation projects as partners from Arctic image has been part of or facilitated.

Beneficiaries: Oulun kaupunki,

Naturpolis Oy, Keskipohjanmaan

koulutusyhtymä, Kainuu ammattiopisto,

FilmCamp AS

Project Duration: 2015-2017

Project Budget: 1 749 417 EUR

Approved EU-fund: 654 874 EUR

Approved IR-fund: 279 367 EUR

Public co-financing: 724 263 EUR

Private co-financing: 90 912 EUR

Visit Arctic Europe ✓

Goal

The aim of the project was to increase networking and cross-border cooperation by, for example, improve accessibility, exercise joint tourism marketing and develop new products and joint product packages that meet the requirements of international tourists.

Result

During the VAE project, 13 different network events have been held with about 100 participants at each occasion. The participants worked in workshops with various challenges, eg. cross-border themes and packages, accessibility, market needs, low season opportunities and challenges. According to the overall feedback, the companies have found networking between companies from different countries and areas as very important and this has also been the focus of VAE and the basis for the cooperation.

To learn and gain input from the markets and gain deeper insight into the market, it was decided to set up a reference group consisting of tour operators. Selected tour operators have been involved in networking events and have had a significant role in spreading knowledge about the markets that VAE focused on. The best way to show the attractiveness of the VAE area and its potential as a destination is to experience the area itself. The VAE project therefore organized 40 cross-border familiarization trips (Fam trips), with a total of 242 participants from nearly 100 different tour operators. One result of the project's activities is that tour operators have created different cross-border tourist packages for different seasons.

The project has also gathered knowledge from research on future travel trends and digital trends. Lapland University completed the report "Disoriented travelers or disoriented destinations? - An analysis of future travel trend studies for Visit Arctic Europe project "in August 2016 and LTU completed the report" Digital tourism - An analysis of digital trends in tourism and customer digital mobile behavior for the Visit Arctic Europe project "in May 2017. The project has also identified obstacles to cross-border cooperation In the report "Cross-border cooperation - An analysis of challenges and obstacles for cross-border cooperation in the Visit Arctic Europe area" which was completed by UiT, LTU and the University of Lapland in April 2017.

www.facebook.com/visitarcticeurope

<https://visitarcticeurope.com/>

<https://www.youtube.com/watch?v=iWYwLkDOmq8>

Beneficiaries: Finnish Lapland

Tourist Board ry, Swedish Lapland

Visitors Board, NordNorsk Reiseliv AS

Project Duration: 2015-2017

Project Budget: 6 491 802 EUR

Approved EU-fund: 2 780 161 EUR

Approved IR-fund: 487 805 EUR

Public co-financing: 2 580 406 EUR

Private co-financing: 643 430 EUR

New Food from the Arctic ✓

Goal

The project had three clear goals:

1. Increased processing of nature-based raw materials from the area.
2. Create a platform for cross-border collaboration
3. Development of new markets

Result

The project wanted to promote the innovation climate in small-scale food production as well as increase knowledge and collaboration on innovation processes in companies and the companies' internationalization. A total of 180 people have participated in the project's activities.

The project evaluation shows that the companies have specifically developed new products, they think more in terms of processing and processing which is innovative. They work together, even across borders.

- Increased cross-border collaboration, exchanges of experience and commercial exchange of raw materials and products.
- At least 20 new innovative products.
- Increased knowledge of demand in new markets, brand development and product development

Several companies indicate in the evaluation that they have expanded their markets geographically and to new target groups.

- New platforms for collaboration within food processing, nationally and across borders in the program area, both regional and cross-border initiatives are underway to strengthen collaboration. As an example, a web platform is planned, and several are planning to attend the Grüne Woche in Berlin 2019.

New platforms have been developed, formal as well as informal. One example is the innovation partnership on refining within reindeer herding which has been formed as a side effect, but also interest formally and informally for cross-border cooperation where personal meetings and contacts between individual companies and groups of companies have been developed.

- An innovation partnership in clean processing (Sweden) has been formed as a direct consequence of the project, funding has been applied for from EIP Agri.
- Increased knowledge of and models for processing new markets, eg the idea of a more local fair has resulted in an approved application for funds to regionally implement a mini-fair and thereby create a common platform for the local companies.

Beneficiaries: Hushållningssällskapet i Norrbotten-Västerbotten, ProAgria, Oulu ry/Oulun Maa- ja kotitalousnaiset, Bioforsk

Project Duration: 2015-2018

Project Budget: 604 525 EUR

Approved EU-fund: 221 721 EUR

Approved IR-fund: 101 220 EUR

Public co-financing: 220 608 EUR

Private co-financing: 60 976 EUR

Business Model Innovation

Primary goal of the project:

Main goal of the project is to increase the competitiveness of small and medium enterprises (SMEs) catering to industrial customers in the region.

Expected Result:

- Methods and models for further development and implementation of advanced business models.
- Updated "ProcessIT.EU Roadmap" that can affect the policy and decision makers as well as financiers within research and development (R&D) area.
- Increased cross-border collaborations between the region's SMEs, processing industry, industrial networks as well as academics for creation of advanced business models.
- To spread and apply knowledge and "best practice" in the region with help of industrial networks.
- New methods of use for SMEs that have commercialized their advanced business models towards regional and global customers.
- Increased internationalization of SMEs with help of business and R&D activities.

Project Description

As this project is aimed towards process industry (customers to SMEs), it is important to form its basis depending on customer's (process industry) needs. This means looking for new business opportunities that can resultantly increase the competencies of regional SMEs, most importantly via combination of different service and product in order to provide more advanced product-service offerings, meaning more advanced and valuable offerings. Here, the SMEs take full responsibility of services over the whole life cycle of offerings. Offerings providing functional results, where the providers (i.e. SMEs) maintain full ownership and generate specific results like production volumes are of great interest. In this way the company can increase profitability due to product differentiation, increase possibility of profitability margins and stable income over the time. Apart from the development of new business models, regional SMEs will also benefit from the establishment of new collaborative models and networks leading to greater participation in the European R&D project. A lot of SMEs do not have access to the researchers, research networks and financiers required to conduct advanced research on new technologies that can be implemented for new offerings/services/products. It is therefore important that SMEs are able to access these research capacities/ networks/ financiers as well as potential partner companies possessing the complementary capabilities, competencies and technologies in order to improve their competitiveness overtime.

Beneficiaries: Lapin amk, Nivalan

Teollisuuskylä, NIHAK, Oulun yliopisto,

IUC, LTU

Project Duration: 2016-2019

Project Budget: 1 706 574 EUR

Approved EU-fund: 873 191 EUR

Approved IR-fund: 181 626 EUR

Public co-financing: 544 607 EUR

Private co-financing: 107 150 EUR

Development of Nordkalotten's border services business guidance

Primary goal of the project:

The long term goals of the project are to improve the total number of small and medium sized enterprises (SMEs) operating across the border, to promote the internalization of SMEs, to provide opportunities for reaching to new markets.

Expected Result:

The project is going to create adequate competencies on and companies' operating conditions across the border as well as guarantee a good collaboration among the regional actors striving towards the same goals. The project caters to companies' need of receiving actual and updated information at the right time, which resultantly create better conditions for cross-border operations.

Project Description

The project is going to develop collaboration between regional players working towards same goal. The service model developed in this project will facilitate companies in getting the relevant and updated information at right time, thereby resulting in feasible conditions for cross-border business operations. During the course of project, all partners (cross-border service centers, companies, public enterprises, and business community and support functions) will get an opportunity to learn about each other's operations and strive towards better collaboration opportunities. The aim is to collectively attend to identified challenges in cross-border business and benefit from the potential growth opportunities existing in the Nordkalott's region. A number of seminars and training sessions will be arranged in order to inspire various groups such as youth, females, and individuals with foreign background etc. towards cross-border business operations.

Beneficiaries: Lapin liitto, Storfjord

kommune

Project Duration: 2016-2019

Project Budget: 1 030 852 EUR

Approved EU-fund: 325 000 EUR

Approved IR-fund: 291 677 EUR

Public co-financing: 414 175 EUR

Private co-financing: - EUR

ICNB

Goal

The goal on a long term is to promote resource-saving smart accommodation and increase the popularity of energy efficient solutions in the construction and maintenance of the building stock during the entire lifecycle. This is achieved by developing solutions based on open standards for SMEs, public sector operators and residents. The project's short-term goal is to develop the skills of the construction industry, SMEs and the operators of the public sector, so that they can produce high-quality services at a competitive and resource efficient way.

Expected Result:

The project results in:

- SMEs in the construction sector will improve their potential for competitive business.
- Companies' are more prepared to operate in the Nordic countries since the project strengthens the understanding of the differences in building regulations.
- Competence in model-based methods facilitates the cooperation between SMEs and the bodies that govern construction activities, as information exchange about construction projects is done through compatible computer systems.

Project Description

The project develops model-based control solutions for the construction sector's needs, in particular for SMEs, but also for the supervisory authorities. The project highlights how companies can get started to develop the use of BIM and how to deal with differences in building regulations between the Nordic countries in the planning and supervision. The project includes a pilot run of the process of application for building permits based on BIM models and processes. The project will result in concepts and instructions for implementing model-based methods. By using the models, the construction sector can plan their own development. In this way, the project supports the operational conditions and the competitiveness of SMEs. It also increases the skill and the ability to offer cross-border services of public sector operators.

Beneficiaries: Oulun amk, Oulun kaupunki, Umeå universitet, LTU, UiT

Project Duration: 2017-2019

Project Budget: 1 293 075 EUR

Approved EU-fund: 598 461 EUR

Approved IR-fund: 197 351 EUR

Public co-financing: 497 263 EUR

Private co-financing: 0 EUR

CYNIC

Goal

The project will promote the development of the digital service industry in the region by providing a cross-border development environment for testing and learning, resulting in business models tailored for digitization and digital services.

Expected Result

In the short term (Year 1), identify the specific situations and challenges related to business security and risks to SMEs that hinder new business models and new digital services.

In the medium term (year 2), compile and offer demonstrations, testing and training to the target group, regarding the opportunities and risks of different business models.

In the long term (3 years), develop and formalize custom business models with included strategic information security.

A mobile application to visualize risk reviews, standards and policies for SMEs activities will also be presented within the project

Project Description

Uncertainty and risk focus is an obstacle to SMEs to dare to invest in new business models tailored to digitalization and digital services. Better insights and risk awareness of the organization's Cyber behavior can be gained by testing and evaluating new business models in a safe testing environment. The project will help SMF access a physical and virtual experimental and learning environment at LTU and Centria AMK's IT and Information Security lab. These will serve as a test bed for SMF missing today.

Traditional service development follows a process where service problems as well as information risks are usually discovered when the solution is launched at the customer. By having access to a neutral test environment, in this case a cross-border physical and virtual lab environment, companies can learn from each other and learn about common challenges and problems. The initially involved companies consist of information security consultants, business services companies, manufacturing companies and digital service providers, which is a mix of needs owners and suppliers. The project also includes spreading project results and lessons to more companies and organizations.

Beneficiaries: LTU, Centria

Project Duration: 2018-2021

Project Budget: 632 503 EUR

Approved EU-fund: 411 127 EUR

Approved IR-fund: 0 EUR

Public co-financing: 214 376 EUR

Private co-financing: 7 000 EUR

CINEMA

Goal

The project will strengthen the region's business community and increase cross-border trade, exports and internationalization at the region's SMEs, using the new business opportunities that a circular economy offers.

Expected Result

The project will help the manufacturing processes, services and products developed after the project to be applied in corporate production so that:

- The number of innovative companies working with circular economics is increasing
- Exports and internationalization of the region's SMEs are increasing
- The company's production is streamlined and competitiveness is improved
- The supply of energy and raw materials in production is decreasing

Project Description

In the heavy industry, there is a desire to transition from the "produce, use and discard" concept to a more circular economy where materials and components are re-manufactured using additive methods. A paradigm shift will therefore take place and, if that is possible, specialized SMEs are required to handle the re-manufacturing of the basic industry using new surface treatment technologies. Since it is about new methods, development work, tests, demonstrations and simulation are required to prove that the methods favor both the SME and the basic industry. In many cases, completely new business models need to be developed in order for the transition to circular economy to be possible. SMEs who choose to switch to circular economics must specialize in a certain surface treatment method due to major investments in development and machinery. Through the project, participating companies get improved knowledge of opportunities and methods for repairing and re-manufacturing components in a cost-effective manner.

Beneficiaries: Centria, TTY, LTU

Project Duration: 2018-2021

Project Budget: 936 054 EUR

Approved EU-fund: 608 435 EUR

Approved IR-fund: 0 EUR

Public co-financing: 249 819 EUR

Private co-financing: 77 800 EUR

VAE II

Goal

The aim of VAE II is to increase overnight stays by 10% in certain market areas, focusing on developing year-round tourism in the region. The development of the quiet periods in the travel destinations and companies contributes to increased sales and profitability, which in turn helps to create new year-round workplaces and new investments.

Expected Result

- 10% increase in overnight stays from selected market areas, development of the year round tourism for participating companies and areas.
- The VAE area is known in selected market areas as a high-class tourist destination all year long.
- Availability and mobility all year round in the VAE area have been developed to serve the tourists who come from outside and those who travel within the region.
- Sustainable tourism development is recognized as a competitive advantage, and companies develop their activities according to the principles of sustainable development.

Project Description

The main objective of the second phase of Visit Arctic Europe is to increase tourism companies' profitability, create new year-round jobs and increase opportunities to start businesses and invest in the Arctic. The project's goal is to strengthen cross-border networking and commercial cooperation so that the Visit Arctic Europe area can be further developed, and the region becomes a high-quality and sustainable tourist destination all year round.

The project's activities are concentrated in three main areas:

- Marketing (image and tactical)
- development of accessibility (internal and external)
- development of the region and companies' competitiveness (digitization, sustainable development, market awareness and product development)

All activities in the project focus on cross-border networking and sustainable development.

Beneficiaries: Finnish Lapland Tourist

Board, Swedish Lapland Visitors Board,

NordNorsk Reiseliv

Project Duration: 2018-2021

Project Budget: 5 362 724 EUR

Approved EU-fund: 2 309 628 EUR

Approved IR-fund: 365 852 EUR

Public co-financing: 1 722 986 EUR

Private co-financing: 964 258 EUR

Nordic NaBS

Goal

The aim of the project is to develop joint Nordic business and service models within Green Care / Green Arena / NUR / Inn på tunet which is particularly suitable for northern natural and cultural conditions. The business and service models are created in collaboration between northern companies in the natural resource and tourism industry, as well as social and healthcare and pedagogical industry actors. The cross-border development work benefits from the expertise and resources in the various industries.

Expected Result

The project has led to the establishment of joint Nordic business and service models within Green Care / Green Arena / NUR / Inn på tunet that are particularly suited to northern nature and culture conditions. The northern companies in the natural resource, cultural and tourism industries and actors in the social, health and pedagogy industries cooperate among others to execute business and service models.

Project Description

For the people in the northern areas, nature is important in terms of livelihood but important also for recovery and as a source of power. Research shows that natural environments give people peace, as well as better mood, concentration ability and stress recovery. The services offered by the Finnish Green Care, the Swedish Green Arena and the NUR (Natural Supported Rehabilitation) and the Norges Inn på tunet have a common starting point that is based on nature's beneficial effects.

In terms of business environment and competence, rural nature companies have very untapped potential that can meet the needs of social and health care and pedagogy services. When arranging social and health care and pedagogy services, man's relationship to nature as well as its importance to well-being can be used in an appropriate manner with the help of activities within Green Care / Green Arena / NUR / Inn på tunet.

To solve the challenges in terms of the accessibility, effect and cost-effectiveness of social and health care and pedagogy services, a new type of social innovation and forms of cooperation are needed. The varying profitability as a result of seasonal activities among rural enterprises can be leveled out by broadening the range of services and target groups. Special efforts are required to develop the cooperation between small and medium-sized companies and public services, and this is desirable also according to the companies in Green Care / Green Arena / NUR / Inn på tunet which produce nature-based services in the area. In order to start up the collaboration, external support is required and that you find key people in different sectors and bring them together.

Beneficiaries: Lapin amk, LTU, Oulun

amk, Vasa universitet

Project Duration: 2019-2021

Project Budget: 1 266 605 EUR

Approved EU-fund: 827 487 EUR

Approved IR-fund: - EUR

Public co-financing: 439 118 EUR

Private co-financing: - EUR

Digitalisation as a driving force in the AEC-industry

Goal

The goal of the project is to:

- Increase the knowledge and understanding of how digitalization contributes to streamlining and cost savings.
- Increase the use of digital models and processes with the aim of reducing costs in planning, design, operation and maintenance.
- Contribute to cross-border cluster collaboration and development.
- Through strategic business support, increasing cross-border cooperation between SMEs.
- Increase knowledge on how requirements-making in public procurement becomes a driving force for digitization in the construction and civil engineering industry.

Expected Result

The common development of digitization throughout the value chain creates the right conditions for the construction and civil engineering industry to continue to be the leader in digital development, while at the same time increasing global competitiveness. The establishment of cross-border collaboration gives the conditions for the knowledge that is built in the project to continue to develop even after the end of the project period.

Project Description

The construction and civil engineering industry in the program area cannot, in the same way as other industries with clarity, show that digitization has had an impact and made the industry more efficient and cost-saving. Parts of the industry are world leaders in digital development today, but problems exist in utilizing this knowledge throughout the value chain and transferring the acquired knowledge sufficiently quickly and efficiently. The smaller companies do not have the resources themselves to drive this development, while there is a developed cooperation in the industry. Many of the individual companies are on key competencies, which means that the entire industry is part of a well-developed network. To develop this knowledge structurally and with the same vision in collaboration regionally and across borders is the objective of this project.

The project will support the public purchasers so that together they can develop their methods and models for procurement and how they should put the requirements in the tender documents so the procurement process becomes a driving force of the digital development in the entire industry

Beneficiaries: Oulun kaupunki,

Norrbottens Handelskammare,

Nordnorske entreprenörers

serviceorganisasjon

Project Duration: 2019-2021

Project Budget: 1 583 816 EUR

Approved EU-fund: 726 132 EUR

Approved IR-fund: 188 435 EUR

Public co-financing: 495 764 EUR

Private co-financing: 173 485 EUR

Arctic Investment Platform

Goal

The main objective of the project is pre-study work and a roadmap that explores the possibilities for more systematic funding cooperation and cross-border interconnection of power reserves to improve investment financing for SMEs in Europe's northernmost areas. The project is on par with regional business financing and support schemes for small and medium-sized enterprises.

Expected Result

1. The main result of the project is a feasibility study of the Arctic Investment Platform
2. Roadmap for the foundation of AIP, which includes information on the necessary measures and resources
3. Preparations for the start of permanent investment cooperation between the key institutions (if the feasibility study is positive)

Project Description

The project aims, through a combination of Europe's top experts and the competencies of the NSPA areas in Finland, Sweden and Norway:

- Analyze the demand and feasibility of a financing partnership that promotes investment in SMEs in the NSPA areas
- Issue a recommendation on such a support structure (Investment Platform)
- Develop a roadmap for establishing such a support mechanism (if the feasibility study is positive)
- Guarantee credible resources for negotiations with financial institutions, which are central to the foundation of the system (including regional actors, national financiers, finance, private investors, European Investment Bank (EIB), European Commission and national ministries)

Beneficiaries: Lapin liitto, Oulun

kaupunki, Region Norrbotten, Region Västerbotten, Norrinova

Project Duration: 2019-2020

Project Budget: 746 251 EUR

Approved EU-fund: 305 420 EUR

Approved IR-fund: 138 187 EUR

Public co-financing: 278 254 EUR

Private co-financing: 24 390 EUR

ArcticDC

Goal

The aim of the project is to strengthen the regional data center industry's products, services, solutions and offerings to customers (parties) outside the region, nationally or internationally. This should be done by demonstrating and proving that; Investing and operating data centers in Arctic regions have low and among the lowest investment and operating costs in the world in terms of cooling and power distribution.

Expected Result

The benefit of the project is the development, testing and demonstration of unique technology that can be implemented effectively in the Arctic region. The demonstrations and evaluation results can be used long after the end of the project in marketing of sites and services / products. Regional product companies, both large and SMEs, will be able to deliver solutions and products to their customers based on results from the project. The result that is sought in the long term is that in the Arctic region about 40 new large and small data centers will be built and run within a five-year period, which must be met partly or completely and preferably exceeded.

Project Description

The purpose of the project is to develop the regional data center industry by small and medium-sized companies with products, services or the region's establishment offers together in a cross-border project. This is done by showing and proving that building and running data centers in the Northern Nordic have very low investment (CAPEX) and operating costs (OPEX) with respect to cooling and electric power. Comparisons should be made with the rest of the world.

The basic techniques in air cooling, electricity stability, heat recovery and IT operation at a distance need further development and evaluation with measurements and studies, but above all, testing and demonstration is needed in real test facilities, "Seeing is believing". By developing and displaying together in the Northern Nordic countries, the project helps companies in the region in the long term to establish, operate or deliver to energy-efficient data centers. The companies that are part of the project are also being developed and their business models, solutions and products are being improved to become more successful in a global market.

Beneficiaries: RISE AB, Hydro66, Xarepo, Älvsbyns kommun, LTU, Oulun Datacenter, Aurora DC Finland, Oulun yliopisto, SFTec, Hushållningssällskapet

Project Duration: 2019-2021

Project Budget: 1 429 668 EUR

Approved EU-fund: 929 306 EUR

Approved IR-fund: - EUR

Public co-financing: 429 501 EUR

Private co-financing: 70 861 EUR

Giellagáldu ✓

Goal

The aim of the project was to strengthen the use of Sami languages in various sectors in Finland, Sweden and Norway. The main purpose was to permanently establish the trade and resource center for the Sami languages, Sámi Giellagáldu.

Result

During the project, Sámi Giellagáldu had the task of producing the necessary terminology and vocabulary, new standards for use in Sami languages and providing advice to the users of the Sami languages.

Cross-border cooperation in the Sami languages is natural because the areas where the languages are spoken are not limited to national borders. Protecting and promoting the use of languages is one of the tasks of the Sami parliaments for all three countries in the project: Finland, Sweden and Norway.

An equal cross-border perspective was also maintained with respect to the five language divisions - South, Lule, North, Inari and Skolt - which were set up for the Sami Giellagáldu project. The same number of representatives in each state was allowed for the Sami language divisions spoken in most of the states concerned. An exception was made for Skolt, for which there was only one member on the Russian side of the border. This was because Russia was not a project partner, but Russia's representation for Skolt was considered important to ensure Skolt's representation in the language section. During the project, the language departments accepted a total of 4,131 new terms / words and 362 standardizations.

In accordance with the project plan, a new website was created for Sámi Giellagáldu www.giella.org. The websites are available in Southern, Lule, North, Inari and Skolt Sami languages, and in Finnish, Swedish and Norwegian. However, the content of the web pages is not identical between the languages, but each Sami language website focuses on presenting new terminology, standardizations and other important linguistic information for the Sami language in question. The pages in Finnish, Swedish and Norwegian provide information about the Sami language. The site continues to be used after the project.

During the project, Sámi Giellagáldu provided various activities for users of the Sami language. The purpose of these activities was to provide free advice and language services for users of the Sami language, regardless of where they live. Another goal was to provide information on new terms, words and standardizations and to disseminate information in the Sami languages. Ten seminars organized by Giellagáldu, minor events, users of FB pages, website users, contacts via e-mail and telephone and personal contacts all included in the project activities. A total of 52 378 people were contacted during the project via these activities.

Beneficiaries:

Sámediggi/Saamelaiskäräjät, Finland

Sámediggi-Sametinget Sverige

Sámediggi-Sametinget Norge

Project Duration: 2015-2018

Project Budget: 3 062 053 EUR

Approved EU-fund: 922 439 EUR

Approved IR-fund: 163 415 EUR

Public co-financing: 1 976 199 EUR

Private co-financing: -

Watercourses discharging into the Gulf of Bothnia ✓

Goal

The main goal of the project was to develop common methods that reduce the watercourses' transport of environmental toxins to the Baltic Sea.

Result

- Increased knowledge of the region's acidic sulphate soils and what possible measures can be taken to reduce the negative effects of these soils on the watercourses.
- Increased knowledge of whitefish, lake, salmon, trout and other species' stocks in the project area.
- Implemented biotope-improving measures in the watercourses of our waterways to improve the conservation status.

The project promoted sustainable development as the goal was to get ecologically sustainable watercourses in the Gulf of Bothnia. The fish studies that have been carried out have led to increased knowledge about the living conditions of the sea and the salmon in order to be able to implement life-improving measures for these species and habitat. The physical measures implemented through the restorations increase the vitality of the watercourses, primarily by creating free walking paths to the fish's play areas, which in turn leads to larger and more viable fish populations with a greater genetic variation.

The project's method development also contributes to reduced environmental impact. A fish path in composite has significantly lower climate impact than concrete. This method / innovation will partly be able to reduce carbon dioxide emissions during production compared to concrete, but also increase the opportunities for fish migration in watercourses where there are dams for electricity production.

The pilot study on acidic sulphate soils will be able to reduce the negative effects of these soils, both directly in place but perhaps primarily through the dissemination of information on the substance to the farmers. Through this, the project has contributed to an increased conservation status throughout the program area.

The work in the project improves and promotes opportunities for maintaining a vital salmon strain in the Simojoki water system. A strong salmon stem also promotes the river bead mussel in the watercourse. Leaching of metals from acid sulphite soils degrades water quality and adversely affects watercourses and can cause, for example, fish deaths in watercourses. When planning is based on sufficient knowledge of acid sulphate soils and their risks, situations can be prevented that can be devastating for, for example, tourism in the area. The work that has been done to develop restoration methods can be used in the restoration work of various watercourses in the Barents area.

Beneficiaries: Länsstyrelsen i

Norrbottnens län, Lapin ELY-keskus,

GTK, SGU, LUKE

Project Duration: 2015-2018

Project Budget: 2 083 727 EUR

Approved EU-fund: 1 239 640 EUR

Approved IR-fund: -

Public co-financing: 844 097 EUR

Private co-financing: -

Plupp ✓

Goal

The project's ambition was to implement 50 performances as an educational arena, where an artistic experience should act as a transfer of Sami language and culture in a natural and uplifting atmosphere.

Result

The story of Plupp – about the invisible on the mountain is a dramatization and setting up of a selection of Inga Borg's story books from 1955-2006. The performance is a musical dramatic depiction built up with yoiks composed by the southern Sami Frode Fjellheim. The performance with its newly composed music in the form of yoiks follows Plupp for one year. Dramatization describes the nature of Sami basic assumptions in a simple, educational and, not least, entertaining approach. The performance is aimed at children aged 6 to 10 years, and by mixing Sámi and Scandinavian language on stage, the young crowd could learn a few simple Sami words and expressions.

The project has taken place across a large geographical area, major parts of the southern Sami area in Norway and Sweden. The project has made visible the southern Sami language importance in the area, a pedagogical work through material and programs concerning Sami culture and southern Sami language in the schools that visited. The project has strengthened the collaboration between the theaters Åarjelhsaemien theaters, Estrad Norr and Beavivas Saminational teahter. This has given common competence both in performing arts and administration as well as knowledge of video projection and southern Sami language. The use of several languages in the project and in the performance, Southern Sami, Norwegian and Swedish was an educational and interesting process. The project continues through guest shows and invitations from various organizers on both sides.

The result of the project was that 8 136 people got to take part of 77 performances where Sami language and culture have been conveyed.

The project has come up with a new term in the theater world, namely yoikikal. Yoikikal is an extended concept of musicians, with dance, music, song, yoik and text. Mixed use of language in the performance is a form that has been a satisfying way of working. At the same time, the mixture of languages is natural for people in border areas between Sweden and Norway.

Beneficiaries: Jämtlands läns landsting, Åarjelhsaemien Teatere
Project Duration: 2015-2017
Project Budget: 563 853 EUR
Approved EU-fund: 153 735 EUR
Approved IR-fund: 146 341 EUR
Public co-financing: 263 777 EUR
Private co-financing: -

Biogas in Torne River Valley ✓

Goal

The project wanted to show the conditions for a biogas plant with cogeneration production or upgrading to vehicle gas and to form a working group consisting of stakeholders with interest and commitment to a local biogas plant.

Result

In addition to the project group of 7 people, the project had 35 participants (of which 8 women) on the activities plus the municipal councils in Ylitornio and Övertorneå.

Some results from the project:

- Technical and economic analyzes of the conditions for a local biogas plant
- A working group has been formed that works with the issue.
- Increased knowledge about biogas and the management of organic waste
- Contacts on the issue have been created.
- Cross-border cooperation in waste management has begun

The project's conclusion is that one should work on biogas, both municipal and private (farm buildings).

The project proposes:

- That a long-term plan for the management of organic waste is produced for the municipalities.
- Investigation of a collaboration with Överkalix municipality concerning the management of sewage sludge.
- More accurate calculations are made on a biogas plant based on organic waste from Övertorneå and Ylitornio municipalities.
- That a cooperation agreement regarding the management of sewage sludge is signed by Övertorneå and Ylitornio municipalities to ensure access to substrates in a future municipal biogas plant.
- That Övertorneå and Ylitornio municipalities stimulate the construction of private farm-based biogas plants through advice and knowledge-enhancing activities.

Beneficiaries: Övertorneå kommun

Ylitornion kunta

Project Duration: 2016

Project Budget: 41 000 EUR

Approved EU-fund: 26 650 EUR

Approved IR-fund: -

Publicco-financing: 14 350 EUR

Private co-financing: -

Summer whitefish in Torne River Valley –culture and cultural heritage

Goal

The primary goal is to increase awareness about Tornedalen´s unique hereditary fish culture and to improve its attractiveness among the area´s fishermen, residents, tourists and most importantly, the youth.

Expected Result

The project is going to result so that:

- Different target groups have improved awareness and knowledge about the importance of Whitefish and its traditional associations with the region, as well as their own identity and connection with the hereditary culture and nature.
- An attractive knowledge-packet about fishing culture and its nature has improved, along with more involving and engaging methods.
- The target groups find strong association with fishing and are inspired to participate in cross-border activities

Project Description

The traditional trapping methods, trapping arrangements, fishing tools as well as, catching-skills, nourishment of fish, fishing associations and atmosphere are closely tied to inherited knowledge and skills. Today, the aging fishermen, diminishing number of permanent residing places, and changes in the business environment pose threats to fishing activity (both with h av and net).

The digital preservation of the hereditary methods and skills in an interesting way can promote and encourage the transfer of knowledge and skills to younger generation.

Due to traditional fishing activities and beautiful atmosphere, there has been active tourism in the Swedish and Finnish sides of Tornedalen and even in Kakkola. For tourism to live and continue thriving, presence of whitefish in the streams and the fishermen is a pre-requisite. Moreover, whole experience of wishing activity, along with its cultural associations is needed to be packaged in a comprehensive and attractive way. However so far, the exploitation of such traditional fishing culture and attractive fishing place has been done at a mundane level. As per studies, today´s tourists look for ´experiences´ in activities. Therefore, it is crucial that the tourism industry in the region offers a wholesome experience, enriched with cultural heritage and traditions with regards to the fishing activities.

Beneficiaries: Lapin amk, Haparanda stad, Tornion kaupunki

Project Duration: 2015-2018

Project Budget: 850 716 EUR

Approved EU-fund: 552 314 EUR

Approved IR-fund: -

Public co-financing: 223 213 EUR

Private co-financing: 75 189 EUR

Summer whitefish in Torne River Valley - nature

Goal

The projects primary goal is to create conditions for a sustainable preservation of fish stocks in the Torne River in order to support the living fishing culture in the region.

Expected Result

The project is going to

- Produce information on spawning and various spawning places of summer whitefish in the Torne River.
- Conduct an estimation analyses on the condition and natural size of baby fish produced in the Torne River.
- Study the area for Whitefish´s nutritious intake and spawning zone in Torne River.
- Produce information about summer Whitefish in the Torne River with aim to promote the sustainable practices, in the river and in Gulf of Bothnia.

Project Description

The stocks of Whitefish in the Torne River vary; in the past 30 years, the spawning of Whitefish has been delayed for about 1 month, while the average size of fish has also decreased considerably. The question is: have there been any biological changes in the environment, if so, which ones and caused by nature or man? This concern is even shared by researchers participating in this project. Currently, there is too little research on spawning, living conditions and environmental factors with regards to Whitefish. Moreover, the gradually disappearing information that exists today is quiet ancestral and is based broadly on fishermen's own observations and experiences.

The modern technology in shape of wireless networks, digitalization and internet is opening new opportunities for the fishermen. It is crucial to learn the preservation of Whitefish stocks and possibilities for sustainable growth principles with the help of collaborative efforts of participating researchers, fishermen and fishing teams. Such collaborative work is essential to study the conditions for preservation of fishing culture. The previous measures taken for promotion of fishing stocks are needed to be reformed for long-term applicability. For example, the current collective cross-river agreements between Finland and Sweden that regulate the fishing in Torne River provides a plausible frame for collaborative work.

Beneficiaries: Lapin amk, LUKE,

Länsstyrelsen i Norrbotten,

Tornedalens folkhögskola

Project Duration: 2015-2018

Project Budget: 462 258 EUR

Approved EU-fund: 300 468 EUR

Approved IR-fund: -

Public co-financing: 157 800 EUR

Private co-financing: 3 990 EUR

Our stories

Goal

The project's main goal is to promote regional storytelling and to strengthen the local identity by localizing inspirational narratives across the border

Expected Result

Main result from the project is a collection of cross-border and local narratives in form of "Norrskensvägens berättelsebåge" (Story Arc).

Project Description:

The narratives are going to highlight the distinctive cultural and linguistic traditions among which the Sami-language has a prominent position. Via such narratives, one strives to bring out even other collective linguistic traditions on verge of disappearance, like meänkieli och kvänska.

As storytelling is a widely known method used for effective transfer of important ideas/messages, the aim is to stimulate the narration by selecting inspirational stories from targeted areas/municipalities, that is: Torneå-Haparanda, Kolari-Pajala och Nordreisa. With the help of these narratives, the project aims towards increasing attractiveness of and interest for Nordkalotten, specifically Norrskensvägen as a destination. The project is going to collaborate with tourism and cultural enterprises operating in the region.

Beneficiaries: Lapin amk, Studio E
city Ky, Jord Ek. För., Sverigefinska
folkhögskolan

Project Duration: 2016-2019

Project Budget: 1 102 289 EUR

Approved EU-fund: 513 105 EUR

Approved IR-fund: 133 102 EUR

Public co-financing: 400 316 EUR

Private co-financing: 55 766 EUR

AIDA

Goal

The overall project objective is to strengthen and bring to life the region's culture and heritage through duodji. The aim is furthermore to strengthen entrepreneurial skills among duodji students on Sami college.

Expected Result

- 1) Raise the value of duodji heritage by increasing awareness of duodji, Sami design, duojár profession and Sami duodji philosophy,
- 2) Create labor and product opportunities for aspiring duojár.
- 3) Increase the knowledge of the Sami language and terminology in duodji.

Project Description:

Ájtte and Sami Archives, in collaboration with Sami craftsmen, artists and designers, who want to make donations to the archives, will create multiple duojár archives. Duojár archive is a new type of separate archives in the institutions and there are no such archives today. The archives are not focused on the handicraft object but on the records that reflect the creative and marketing process and that are not usually taken into the archive.

Beneficiaries:

Kansallisarkisto/Saamelaisarkisto/
Samearkivet, Ájtte, Sámi allavskuvla

Project Duration: 2016-2019

Project Budget: 718 683 EUR

Approved EU-fund: 316 017 EUR

Approved IR-fund: 99 756 EUR

Public co-financing: 300 910 EUR

Private co-financing: 2 000 EUR

Arctic Fox Together

Goal

The project aims to create conditions for a more cost efficient conservation of arctic foxes.

Expected Result

- An established and well-developed network of contacts and experience between managers and researchers working with arctic foxes in the Arctic.
- New working methods and knowledge of when, where and to what extent the action should best be done, this is expected to be achieved through both research and experience which is planned within the project.
- A proposal for a regional management plan that includes proposals on cost efficiency and measures leading to environmental benefits by, for example, decreasing transport.
- The public has gained a better knowledge of the arctic fox and its life situation and that the species may be the role model in spreading the message about why it is important to preserve biodiversity.
- Arctic Fox Together can become a pilot project that demonstrates how the three countries can work together in management and research.

Project Description:

The partners want to work large-scale and coordinated together across borders to create better conditions for the arctic fox. Within the project there is a huge support from the participating research institutions with very strong scientific foundation linked specifically to the arctic fox. Arctic Fox Together will develop a proposal for a regional management plan based on government guidelines and create favorable conditions for the management of arctic foxes on the entire Arctic.

Beneficiaries: Länsstyrelsen i

Norrbottens län, Metsähallitus,

Stockholms universitet, NINA

Project Duration: 2017-2019

Project Budget: 1 279 203 EUR

Approved EU-fund: 582 236 EUR

Approved IR-fund: 140 147 EUR

Public co-financing: 556 820 EUR

Private co-financing: 0 EUR

EEBAK

Goal

The overall project objective is to improve the competence of the municipalities in the border region regarding green community development with a focus on energy efficiency of buildings in the arctic.

Expected Result

- Municipal officials and decision-makers are to have access to a comprehensive and systematic evaluation of technologies for energy efficiency in new and existing buildings in the arctic.

Project Description:

By following up a number of low-energy buildings in the three countries, new technologies developed and tested for an arctic climate can be identified, evaluated and compared. The project can develop and evaluate proposals for measures for reducing energy consumption and improved indoor climate in buildings based on best practice in low-energy houses in the Arctic.

Various technical solutions are presented and discussed with the municipalities in the border region and the relevant sectoral authorities, through meetings, workshops and field trips. Knowledge and experiences are documented and analyzed to illustrate the pre-conditions for a broader application. In this way, effective new technologies for energy-efficiency of buildings in the Arctic climate may be implemented more quickly when renovating the old building stock, which contributes to resource efficiency in the region's communities.

Beneficiaries: Lapin amk, LTU, Norut

Project Duration: 2017-2019

Project Budget: 1 453 444 EUR

Approved EU-fund: 595 166 EUR

Approved IR-fund: 243 902 EUR

Public co-financing: 454 925 EUR

Private co-financing: 159 451 EUR

Tana River

Goal

The main goal of the the project is to document, protect and maintain the environmental status and biodiversity of the River Tana catchment area.

Expected Result

The project will promote a good ecological state of the river and thus contribute to the objectives of the EU Water Framework Directive.

Project Description:

- To develop web-based tools for fish conservation, by creating a common computer system over the areas of the spawns of migrating fish and the natural environment in and around the Tana River's water area.
- To improve the habitat of the fish by removing obstacles to travel and assess the impact of previous restoration activities through the exchange of information on best practices.
- To develop a joint water quality monitoring program and the Tana River Ecological State, and to publish the monitoring results, including the results of the monitoring of sewage treatment plants' effects on waterways.
- To raise awareness about the diversity of the Tana Valley and improve biodiversity management tools to support local planning and decision-making at local and regional level. A common knowledge platform is a prerequisite for future control of biodiversity.

Beneficiaries: Lapin ELY-keskus,

LUKE, Tana kommune, NVE,

Fylkesmannen i Finnmark, Karasjok kommune, TF

Project Duration: 2017-2019

Project Budget: 902 059 EUR

Approved EU-fund: 276 320 EUR

Approved IR-fund: 235 000 EUR

Public co-financing: 374 641 EUR

Private co-financing: 16 098 EUR

SEAmBOTH

Goal

The project's main goal is to help ensure the conservation of the Bothnian Bay's biological diversity, its habitats and ecosystem and the ecosystem services it provides.

Expected Result

The concrete results will be transboundary maps showing nature values, e.g. of the distribution of species and habitats, guidelines on how to use these maps as well as guidelines on which methods that work in the Bothnian Bay.

The long-term vision is that the management and planning of the Bothnia Bay area should be carried out jointly cross the borders.

Project Description:

The Bothnian Bay has a unique character, but there is a great lack of knowledge about the marine environment. The highest natural values in the region are linked to shallow areas and therefore these will be the focus of the project. Three pilot areas that represent different habitats in the Bothnia Bay will be studied.

The knowledge and planning documentation presented within the project has been sought in the work of a variety of national and international commitments concerning the marine environment, including other EU directives. The knowledge can be used as a basis for area protection and to ensure sustainable use of the sea area in both Swedish and Finnish territorial waters. The results of the project will be presented at workshops for different groups of end users, with the aim of increasing public interest and knowledge about the marine environment.

Beneficiaries: Metsähallitus, Länsstyrelsen i

Norrbottnens län, SYKE, GTK , SGU, ELY-keskus

Project Duration: 2017-2020

Project Budget: 2 912 718 EUR

Approved EU-fund: 1 893 268 EUR

Approved IR-fund: -

Public co-financing: 1 019 450 EUR

Private co-financing: -

Aktene

Goal

The aim of the project is to start a long-term interregional cooperation between the Sami cultural centres in Tärnaby (Sweden) and Hattfjelldal (Norway) focusing on developing the cultural heritage, Sami languages and traditional knowledge in new interactive and innovative ways. The project will learn from the shared traditions and history, with the aim to strengthen the cultural heritage and communities for the future.

Expected Result

- Two strengthened Sami centers with a structural and future plan for cooperation between Hattfjelldal and Tärnaby.
-
- The recapture of the area as a common Sami district despite the barriers of the national border, where the common cultural heritage, including language, creates the conditions for residents as well as both Sami centers to grow with pride.

Project Description:

- Strengthen Sami languages (immersions and courses)
- Transfer traditional knowledge through courses (Collaboration with ABF and Sameslöjd Foundation).
- Develop community between people (meetings, events).
- Develop the Sami Center in Tärnaby
- Develop a model for collaboration between the centers.

Beneficiaries: Storumans kommun,
Sámi Duodji Sameslöjdstiftelsen, Giron
Sámi Teáhter, Abf Mitt i Lappland, Sijti
Jarnge

Project Duration: 2017-2020

Project Budget: 1 123 907 EUR

Approved EU-fund: 325 892 EUR

Approved IR-fund: 335 532 EUR

Public co-financing: 462 483 EUR

Private co-financing: -

HALTI

Goal

The project's goal is to organize and plan dynamic, long-term and cross-border cooperation between local communities, authorities and companies with an interest in preserving and developing natural and cultural values in the Halti landscape area. The project will apply for the Europarc Transboundary Park status for the cooperation area.

Expected Result

The project will establish a long-term sustainable annual activity plan and a common visitor management plan for the Halti cooperation area. Protection of sensitive nature as well as follow-up and control of visitors has been improved with the help of new GIS tools and mobile exhibits. The cooperation has improved nature conservation in the area, increased its attractiveness as a travel destination and improved cooperation with the river industry and other land use.

Project Description:

The project includes the Käsivarren eräma nature conservation area in Finland as well as the Reisa National Park and Raisduottarhaldi Landscape Protection Area in Norway.

The area is a significant reindeer husbandry area and, in cultural terms, it is a Sami core area. Cultural wealth is also reinforced by the fact that Finnish, Norwegian and Swedish majority culture and a minority culture of Finnish kvens meet in this area.

The rich nature and culture provide opportunities for different industries, but can also cause contradictions and endanger the sustainable use of the area. The area has traditionally been used for outdoor activities. In recent years, the interest in developing tourism in the area has grown strongly. Storfjord Municipality, Nordreisa Municipality and Visit Lyngenfjorden participate in the project's activities.

Beneficiaries: Metsähallitus, LUKE, Halti nasjonalparksenter, Gáivuotna Kábfjord, Nasjonalparkstyret for Reiska nasjonalpark og Raisdouttarhaldi landskapsvernområde, UiT

Project Duration: 2018-2020

Project Budget: 960 982 EUR

Approved EU-fund: 271 000 EUR

Approved IR-fund: 195 122 EUR

Public co-financing: 494 860 EUR

Private co-financing: -

Viesso duobbdága

Goal

The main objective of the project is to increase understanding of the Lule Sami area as a common, composite landscape in Sweden and Norway, and to convey Sami use and understanding of the landscape as a basis for experiences and natural tourism in northern areas..

Expected Result

The result will be new knowledge of Sami natural history, history and culture generated in cross-border cooperation. The direct result of the project will be mediation and communication linked to the mediation via the digital exhibition Viesso duobbdága / Living landscape and the Sáme duobbdága / Sami landscape.

Project Description:

The project includes three areas:

- Research area luleamic landscape with four thematic areas
 1. Gielas / Cooling - Sami landscapes for 1000 years
 2. The Sami farm
 3. Hiking trail Hellmobotn - Vájsáluokta
 4. Sami city name and landscaping
- Digital Exhibition Viesso Duobbdága / Live Landscape for Mediation on the Swedish / Norwegian Platform Digital Museum and Europeana
- The Sáme duobbdága / Sami landscape application for the development of service design and digital user solutions.

Beneficiaries: Ájtte, LTU, Árran

Project Duration: 2018-2020

Project Budget: 803 703 EUR

Approved EU-fund: 284 602 EUR

Approved IR-fund: 182 927 EUR

Public co-financing: 336 174 EUR

Private co-financing: 0 EUR-

Digital access to the Sámi heritage archives

Goal

The main objective of the project is to improve the accessibility of the Sami cultural heritage.

Expected Result

- Access to the Sami cultural heritage has improved. The developed tool enables digital access to Sami culture in various existing archives.
- The project has resulted in knowledge of where Sami material and Sami archives exist throughout Europe. It improves the knowledge of remote and lesser-known historical sources and provides a more comprehensive database for searching the Sami cultural heritage.
- The project has investigated the existing instructions for indigenous archives, and has established common ethical guidelines for the use and utilization of material relating to the Sami culture.

Project Description:

In the project, an information and communication technology application unit is created according to the principle of a single instance of the already existing digital collections of Sami-language culture and heritage. The system links the user to various available collections in a way that facilitates information retrieval and request, supports information retrieval using metadata, and helps the user to access digital material from different locations and databases. The developed whole works as a search registry and search tool, helping you reach the digital content. The metadata of the collected data is retrieved from the metadata of existing collections using multiple computer-supported methods.

Beneficiaries: Lapin yliopisto, Oulun yliopisto, Umeå Universitet,

Kansallisarkisto/Saamelaisarkisto/
Samearkivet, Arkivverket

Project Duration: 2018-2020

Project Budget: 1 380 880 EUR

Approved EU-fund: 761 180 EUR

Approved IR-fund: 104 916 EUR

Public co-financing: 514 784 EUR

Private co-financing: 0 EUR-

VEKUVAKU

Goal

The waterways of the Ule river and the Lule river power plant as well as the village communities and their history are seen as cultural heritage and a diverse resource. Thanks to the cross-border cooperation, the cultural heritage of the power plant architecture in the northern river valleys is well known on a broad front as well as an important local and regional identity factor. The common business models have removed various barriers to preserving this heritage as well as opening up new opportunities to make use of it.

Expected Result

The modern industrial building tradition is increasingly visible in national and international media. The knowledge base has been updated and strengthened in view of what the cultural heritage and the traditional power plant architecture along the Ule river and Lule river stand for, and in addition their cultural-historical value has deepened.

Project Description:

The project highlights the hydroelectric power stations along the Ule and Lule rivers and its communities, as a cultural heritage and a diverse resource. The project is based on a common challenge; There is a low knowledge of the power plant architecture and the cultural values of the hydropower communities in the public. There is potential to utilize the cultural heritage as an identity-creating cultural resource to a much greater extent than is done today. The main purpose of the three-year project is that today's and future residents and actors identify and use values that are currently undefined. Through this, the power plants' cultural heritage is brought to life and the conditions for a conservation are improved.

Through the cross-border cooperation, the northern river valleys' hydroelectric heritage is made known and the identity of the local community is strengthened. Placing the cultural heritage in a larger context further supports the preservation and use of the cultural heritage. To utilize the cultural heritage as a business resource, local anchoring and long-term preservation are required, which is an effect of the project's implementation.

Beneficiaries: Pohjoispohjanmaan

liitto, Region Norrbotten

Project Duration: 2019-2021

Project Budget: 994 677 EUR

Approved EU-fund: 645 151 EUR

Approved IR-fund: - EUR

Public co-financing: 324 526 EUR

Private co-financing: 25 000 EUR-

Arctic Pulse

Goal

The aim of the project is a unique collaboration where culture and business, especially the visiting industry, meet. An Arctic culture brand should be created - Arctic Pulse. With live music and cultural cooperation, well-packed experiences of the region's intangible cultural heritage are delivered to a large audience in the North Calotte.

Expected Result

The project has created a "cultural infrastructure" around the Arctic Pulse brand. The business sector, primarily the visitor industry, can use a new and interesting brand in the marketing and packaging of its products and services. In the project activities, 1150 people have actively participated and 135,000 have been in the audience and listened to the project's productions. Participants and audience figures can be converted to an increased number of guest nights in the next step.

Project Description

The project's key words are Arctic Pulse. With the expression, the project will convey an exciting diversity of musical and artistic expressions that represent the North Calotte's intangible cultural heritage. The project will communicate, package and visualize the breadth of the region's intangible cultural heritage with the help of the latest technology, knowledge and a modern approach that creates curiosity and pride.

The project has three target groups:

- The region's cultural workers - participants in the project's activities. At least 25% of the project's cultural productions will clearly focus on the program area's minority cultures. Indigenous peoples, Sami and, among other things, Kven perspectives are the starting point for the artistic expressions in these productions.
- Residents and tourists in the region in the form of audiences who visit the project's productions.
- The business sector / visitor industry - the users of the new brand "Arctic Pulse".

Beneficiaries: Region Norrbotten,

Oulun kaupunki, Kultur i Troms

Project Duration: 2019-2021

Project Budget: 1 260 992 EUR

Approved EU-fund: 548 492 EUR

Approved IR-fund: 170 732 EUR

Public co-financing: 541 768 EUR

Private co-financing: - EUR-

Tana River II

Goal

The public sector's knowledge of cooperation options that improve resource efficiency in water and wastewater services within the Tana River's water area has increased

Expected Result

1) General plan for the coordination of water and sewage services between the municipalities of Utsjoki, Karasjok and Tana. The General Plan contains technical and financial investigations on various alternatives that are later used for decision-making regarding the cooperation. If one finds that cooperation to some extent is profitable, one lets establish closer investment and construction plans based on the master plan.

2) Investigation on property-specific wastewater management systems in the area of Tana River, and on the decontamination needs of these systems. The investigation concerns wastewater systems that are within the Tana River's area of influence and which have not been remedied to comply with the national environmental regulations. Based on the investigation knowledge, one should choose the most environmentally friendly and cost-effective remediation solution if measures are required from the properties.

Project Description

The first work package will include Karasjok and Tana municipalities together with Inarin Lapin Vesi Oy. The result is a feasibility study with cost calculations and proposals for technical solutions that will serve as a basis for decisions on collaborative projects. The second work package in the project will be carried out in the municipalities of Karasjok, Tana and Utsjoki. The result will be a mapping of the current state of the smaller private individual sewage plants along the river and to define any necessary renovation measures.

The project enables a future common cross-border water and sewage treatment. Common water and wastewater services provide a more cost-effective and safe water supply of high quality.

Beneficiaries: Inari Lapin Vesi Oy,
Utsjoen kunta, Karasjok kommune,
Tana kommun

Project Duration: 2019-2022

Project Budget: 868 877 EUR

Approved EU-fund: 279 167 EUR

Approved IR-fund: 182 927 EUR

Public co-financing: 366 783 EUR

Private co-financing: - EUR-

Beavnardahke

Goal

The project will strengthen the Sami area's competitiveness and attractiveness by creating strong travel reasons based on Sami cultural environments and stories.

- By developing and utilizing modern information technology / applications, managing, making available and marketing Sami cultural environments and stories.
- To create incentives for the development of Sami and other visitor industries through a modern accessibility.
- To further develop the organizations as visitor destinations in themselves, but also as knowledge banks and centers for information on Sami cultural history.

Expected Result

A technical application that describes Sami, cultural visits has been developed and used for two purposes;

- by visitors to find and experience Sami cultural environments with positive effects on other visitor industries and services
- by the organizations to document the Sami cultural landscape and create a basis for further development of visitor destinations

Project Description

The Gaaltije and Saemien Sijte foundations have in the past made an inventory and documented the Sami cultural heritage that today is gathered in databases and electronic documents. In the project, one wants to use this material to strengthen competitiveness and attractiveness by creating travel reasons based on Sami cultural environments and stories. The project focuses on documentation and protection of Sami cultural heritage and Sami cultural landscapes.

Beneficiaries: Stiftelsen Gaaltije,

Stiftelsen Saemien Sijte

Project Duration: 2019-2020

Project Budget: 523 308 EUR

Approved EU-fund: 164 314 EUR

Approved IR-fund: 61 263 EUR

Public co-financing: 297 731 EUR

Private co-financing: - EUR-

Biegganjunázat ✓

Goal

The main purpose of the project was to try out and provide cross-border training modules for the Sápmi region.

Result:

The project organized a total of 8 training modules in each participating country. The education focused on themes for Sami reindeer husbandry.

Among other things, the project resulted in:

- the reindeer herders have come to know each other, built new contacts and learned about each other's reindeer husbandry,
- the Sami identity has been strengthened and the feeling of youth cohesion and integrity has increased beyond current boundaries
- young students, experts, teachers and other project players have gained new knowledge about the Sami reindeer husbandry method
- Sami reindeer herders were used as educational experts
- topics related to reindeer husbandry have been discussed and handled, such as other land use, climate change, predators, technology, economy, other arctic reindeer herders etc.
- the cooperation between the parties has a stronger foundation for the future
- different levels of learning material have been created
- cooperation with Sami associations and other organizations has been implemented through coordination of events
- The Sami language has served as an official language in the project
- interpreters were used in the education, so that the education was mainly made in Sápmi.
- The wealth of the Sami language in reindeer husbandry and wildlife words has emerged in the various stages of the project, which increases the appreciation of the Sami language
- Sami language use in the training modules has promoted the student's traditional knowledge about reindeer husbandry
- Education and meetings have benefited from modern technical applications and opportunities, eg in the implementation of training modules where cloud servers and other IT applications and equipment were combined with concrete actions such as slaughtering, moving in the terrain, identifying the ear tags of the reindeer, survival under natural conditions

The project contributed to 325 people being able to participate in cross-border competence initiatives within Sami industries.

Beneficiaries: Saamelaisalueen koulutuskeskus, Samernas

utbildningscentrum, Bokenskolan, Samisk vidaregående skole og reindriftsskole

Project Duration: 2015-2018

Project Budget: 835 502 EUR

Approved EU-fund: 384 540 EUR

Approved IR-fund: 121 951 EUR

Public co-financing: 329 011 EUR

Private co-financing: -

NORPÅ ✓

Goal

The project wanted to develop better and simpler systems to facilitate the skilled labor mobility in the North Calotte.

Result:

In this project, the Nordic authorities and industry organizations were merged, and relevant professional areas were examined, as well as existing competency systems between the three countries, Sweden, Finland and Norway. Planned investments were identified and the need for qualified workforce in the North region.

Through mapping of labor needs, figures have been obtained on the need, but also what requirements the companies set to be able to hire. The result shows that there are needs primarily in the construction, service and health and care sectors. The companies see no major obstacles to hiring from another country in the North Calotte.

Through mapping of regulations and competencies, an overall picture of the countries' legal requirements and industry requirements has been obtained when employing labor from another country. The result is that it is usually the industry's own requirements that constitute obstacles and not differences in the countries' regulations. Education and professional skills are often valued equally and approved between the countries, but it is often difficult to obtain information about what is required, or the information is inadequate. It can also be experienced complicated and time consuming with the documentation required for approval. The project thus showed that there is no need for harmonized vocational training, but industry collaboration and collective information on regulations and routines for approval are needed.

The project contributed with knowledge that could be utilized in the project Arctic Labor, which is also a project with support from Interreg Nord.

Through the project, 27 people participated in cross-border mobility initiatives.

Beneficiaries: Utbildning Nord,
Narvik VGS

Project Duration: 2015-2016

Project Budget: 356 375 EUR

Approved EU-fund: 112 353 EUR

Approved IR-fund: 82 317 EUR

Public co-financing: 161 705 EUR

Private co-financing: -

Rampen

Goal

The primary goal is to find ways of collaboration among relevant organizations in order to decrease the number of, so called “Neets” in the region. The aim is even to get the participating organizations collaborate and exchange “best practices” in order to adapt to their future offerings and widen target area across the borders.

Expected Result

- HaparandaTornia has strengthened its growth potential and have improved on labor movement across the border.
- Around 300 unemployed youth in HaparandaTornio region has successfully been able to find measures of self-sustenance and capability to live and work in the region in the long term.
- The target group is available for a broader cross-border labor movement via increased knowledge, understanding, motivation and enhanced contact network of potential employers that can become door-openers for new opportunities like employments and/ or internships/studies.
- About 80 unemployed youth is/has become part of workforce/internship/studies.
- The thoughts and concerns of target group in relation to opportunities and barriers for their future labor-movement have been attended and catered to.
- The participating organizations have found ways of collaboration, applied the “best practices” and developed working methods to activate the unemployed youth as part of their continuing/routine operations, along with improved conditions to better be able to adapt to their offerings based on the need on both sides of the border.

Project Description

The project Rampen/Ramppi is going to collectively work with cities unemployed youth and potential employers and/ or study participants. With help of collective workshops, the unemployed are going to learn about new methods and generate required contact networks, knowledge, inspiration and coaching in order to come closer to labor market/ study opportunities present on both sides of the border.

Beneficiaries: Sverigefinska

folkhögskolan, Peräpohjolan

Kansanopiston kannatusyhdistys ry,

Haparanda kommun

Project Duration: 2016-2019

Project Budget: 240 940 EUR

Approved EU-fund: 156 611 EUR

Approved IR-fund: - EUR

Public co-financing: 70 577 EUR

Private co-financing: -13 752 EUR

Arctic Labour

Goal

The project's main goal is to increase awareness and interest to work in the North and to increase the actual number of people moving across the border or are considering doing so. The project will also enable higher employability as a support for the Northern labor market.

Expected Result

The Arctic Labour project contributes to match professionally skilled labour with the needs of industry. In the long term, the project will contribute to the creation of a common labor market region in the northernmost parts of Sweden, Finland and Norway.

Project Description

- Facilitate the recruitment of labour for companies and public organizations
- Develop a model / methodology that supports transnational mobility and takes into account the individual development needs
- Facilitate cooperation and meetings between enterprises, public employers, training providers, employment agencies, employment agencies and job seekers
- Promoting the idea of a common labour and common functions in the north

The project have links and synergies to other ongoing projects, such as a national project in Oulu as well as other cross-border projects within the Nord-programme such as NORPÅ, Nordic Business support, Cross-border advice to companies. Cooperation will also take place with the EURES network that are available in all three countries as well as the region's employment services.

Beneficiaries: Oulun seudun

koulutuskuntayhtymä, Stiftelsen

Utbildning Nord, Bedriftskompetense

Project Duration: 2016-2019

Project Budget: 713 261 EUR

Approved EU-fund: 341 547 EUR

Approved IR-fund: 93 902 EUR

Public co-financing: 197 701 EUR

Private co-financing: -80 111 EUR

Sámi musihkkaakademija

Goal

The goal is to strengthen the Sami music as industry.

Expected Result

A strong cross-border network has been created, consisting of both experts and actors.

- Sámi musihkkaakademija's operating model has been worked out.
- It has been implemented and established a two-year adult education in Sami music. The education revitalises Sami vocal music genres and improves music skills. The education also includes courses in entrepreneurship that reinforce the students' skills in cultural entrepreneurship, in order for them to have the opportunity to act as supervisors, musicians and self-employed in music after education.
- From the curriculum content, a training package in music has been compiled for students in pedagogy at Sámi allaskuvla.
- Educational materials have been produced to the education's own needs.
- It has been trained 12-16 new supervisors and professional musicians
- An international seminar on traditional Sámi vocal music genres and cultural entrepreneurship has been organized.
- There has been a digital meeting point for Sami musicians.
- The possibilities for permanent education have been investigated including the possibility of completing a double examination.
- It has been investigated how adult education in Sami music can be a high school diploma in Finland and Norway.
- Utsjoki Áilegas Center with its premises and equipment has become a central place for music education.
- It has been possible to start an orchestra with public funding in connection with Sámi musihkkaakademija.
- Sami music as industry has been strengthened and music education strengthens it further.

Project Description

During the project, Sámi Musihkkaakademija's activities form a basis for long-term operations. The project develops Sámi musihkkaakademija's activities. Its operations consist of a network where the players include Sámi oahpahuovddáš, Sámi allaskuvla and Utsjoki municipality. The overall content of the project consists of a two-year adult education in Sami music, the development of teaching in Sami music at preschools and schools, the promotion of cultural entrepreneurship in music, and the expansion and strengthening of the network.

Beneficiaries: Utsjoen kunta,

Saamelais-alueen koulutuskeskus, Sámi allavs-kuvla

Project Duration: 2018-2020

Project Budget: 839 390 EUR

Approved EU-fund: 399 750 EUR

Approved IR-fund: 112 195 EUR

Public co-financing: 327 445 EUR

Private co-financing: - EUR

Bothnan Arc Youth

Goal

The main objective of the project is to increase the mobility of young people during the study period, based on learning entrepreneurship, entrepreneurship and cross-border cooperation.

Expected Result:

The project will lead to

- cooperation between Oulu (and vicinity) and Norrbotten has become part of the schools' work and entrepreneurship education
- cross-border activities in entrepreneurship education are seen in joint mobility measures for young people
- The students' motivation and attitudes to the neighboring language and culture are strengthened.

Project Description

The purpose of the project is to develop cross-border cooperation in entrepreneurial education in the Bottenvik arch. The project includes the exchange of NY / UF trade shows between Sweden and Finland as well as the organization of cross-border NY / UF Innovation Challenge events.

In connection with these events, so-called teacher programs and seminars that spread knowledge about NY / UF business and entrepreneurial education to school staff and non-school entrepreneurs. Teacher activities offer experienced NY / UF teachers the opportunity for networking and other useful activities and information about the business community in Bottenviksvågen, such as visits to the region's companies.

The project both supports further development of existing methods and organizes new types of activities and events. The priority target group and participants in the cross-border activities are upper secondary schools in the Bottenvik region. Another group involved in mobility initiatives is teachers and others involved in the implementation and development of entrepreneurial education. Target groups from the entire Bottenvik archipelago can participate in project events..

Beneficiaries: Oulun kaupunki, Ung

Företagsamhet i Norrbotten

Project Duration: 2018-2021

Project Budget: 726 559 EUR

Approved EU-fund: 469 876 EUR

Approved IR-fund: 0 EUR

Public co-financing: 256 683 EUR

Private co-financing: 0 EUR

Academic North

Goal

The main objective is, on the one hand, to help academics find work in a socially sustainable manner and, on the other hand, contribute to the need for skilled labor in the ICT sector, which is an acute problem throughout the Nordic region.

Expected Result:

The project results in an increase in academic, multidimensional and socially sustainable mobility and networking in several places in the northern region of Finland, Sweden and Norway.

In addition, it becomes significantly easier for emigrated academic labor to return to the northern region, academic vulnerability is diminishing and employment, welfare and the region's attractiveness increase.

Project Description

The objectives will be achieved through the following methods:

- By building cross-border channels for meetings, collaboration and networking between academics and employers and other stakeholders; for example workshops, networks and seminars. In addition, existing HR services for northern universities and external services will be developed and included in networks.
- By strengthening forums where it is possible to develop socially innovative and sustainable solutions for multidimensional mobility, correcting discriminatory distortions and further developing solutions for practical mobility issues. The project builds networks between actors active in cross-border mobility.
- Developing more long-term networks and meeting places and cross-border mobility as a lasting result.
- By pursuing closer cooperation between the Joint Arctic Agenda for increased employment among academics with the right skills through increased cross-border mobility in the northern region.
- By considering moving movement away from the northern region as a multi-dimensional question with potential. The issue of migration from the northern region may also mean increasing such expertise and experience that may be useful for relocating to the northern region, mobility and networking.

Beneficiaries: Oulun Yliopisto, LTU,

UiT

Project Duration: 2018-2020

Project Budget: 534 440 EUR

Approved EU-fund: 283 314 EUR

Approved IR-fund: 49 286 EUR

Public co-financing: 189 840 EUR

Private co-financing: 12 000 EUR

Priority area	Pre-study	Lead Partner	Other partners	Nord / Sápmi	Budget (EUR)	EU-funding (EUR)	IR-funding (EUR)
1	INSPIRE	Västerbottens läns landsting	Oulun yliopisto, UiT	Nord	33 725	9 880	9 262
1	Offshore Hightech	Turun yliopisto	Forskningsparken i Narvik AS	Nord	32 930	9 836	8 899
1	PreNUVE	Oulun ammattikorkeakoulu	LTU	Nord	30 744	19 984	0
2	Arcti© Lean	Kemin Digipolis Oy	IUC Norrbotten AB, Sintef Nord AS	Nord	60 000	10 000	10 000
2	Digitalization as a driving force in Arctic Europé	Norrbottens Handelskammare	Bedriftskompetanse AS	Nord	37 523	9 915	10 000
2	Forprosjekt Arctic Intergenerational Exergaming	Norut	-	Nord	7 318	0	3 659
2	Export Cooperation Sweden - Finland	Norrbottens handelskammare	Oulun kaupunki	Nord	39 010	19 356	0
2	Samisk digital multimedia bedriftsnettverk	Norut Tromsø	-	Sápmi	19 512	0	9 756
2	Samisk reiseliv i Tanadalen	Samis næringsforbund	-	Sápmi	19 512	0	9 756
2	Vårt gemensamma matkulturarv i Sápmi	Slow Food Sápmi	Sijti Jarnge – det samiske kultur- og utviklingssentre i Hattfjellidal	Sápmi	20 000	6 500	4 999
3	Halti transboundary landscape area	Reisa nasjonalparkstyre	-	Nord	17 968	0	8 984
3	Arctic Cultural Heritage	Nouseva Rannikkoseutu ry	Leader Polaris 2020	Nord	29 313	19 053	0
3	Grenseoverskridende kulturminner og kulturmiljø	Árran julevsáme guovdásj	-	Sápmi	20 207	0	10 000
3	Händelser kring gränsen	Stiftelsen Gaaltije	Ajtte, Västerbottens museum, Stiftelsen Saemijen Sijte	Sápmi	41 711	9 950	4 683
4	Akateeminen työttömyys/työllisyys Arktisessa Pohjoisessa.	Oulun Yliopisto	LTU	Nord	16 049	10 000	0
4	Felles Arbeidsmarked	Vinn	-	Nord	8 476	0	4 238
4	Jobbcentrum	Föreningen Norden	Lapin liitto	Nord	16 800	10 000	0
4	Trainee High North	Bedriftskompetanse AS	-	Nord	19 512	0	9 756
4	Integration Nordkalotten	Föreningen Norden	Pohjola-Norden	Nord	30 425	15 925	0
4	Local bus	Tornion kaupunki	Haparanda stad	Nord	28 500	18 500	0

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
1	3D Step		5 000	1
2	ABF Mitt i Lappland, Vilhelmina	27 500		1
3	Abisko, STF AB		6 480	1
4	Agency9		67 667	1
5	AGIO System och Kompetens i Skandinavien AB		1 000	1
6	Agnico Eagle Finland Oy		5 000	1
7	Aikolon		5 000	1
8	Ajtte, svenskt fjäll- och samemuseum	135 629		3
9	AkkuSer Oy		1 000	1
10	Akvaplan-Niva		12 000	1
11	Alavojakkalan jakokunnan yhteisen vesialueen osakaskunta		900	1
12	Alfamat Oy		15 550	2
13	Alkkulan kalastuskunta		1 500	1
14	Alta Kommune	6 097		1
15	ALUTEC Oy		1 000	1
16	Arctic Bath AB		2 310	1
17	Arctic Connection Travel Group		6 480	1
18	Arctic Inbound AB		2 310	1
19	Arctic Light Hotel Oy		5 000	1
20	Arctic Link AB		10 800	1
21	Arctic Safaris / Fjällguiden i Kiruna AB		6 480	1
22	Arjeplog Hotel Silverhatten AB		18 360	2
23	Arjeplogs kommun	5 291		1
24	Arkivverket (Samisk arkiv)	104 917		1
25	Arktikum-palvelu Oy		7 250	2
26	Armassaaren kalastuskunta		900	1
27	Årran - lulesamisk senter	80 122		1
28	Art Hotel Tornedalen		2 310	1
29	Arvidsjaur flygplats AB	10 800		1
30	Aurora DC Finland Oy		1 070	1
31	Aurora Lapland Travel Oy		2 250	1
32	AuroraHut Oy		1 000	1
33	Bardu kommune	6 097		1
34	Bedriftskompetanse AS		91 786	3
35	Bedriftsnettverk/Arena		73 171	1
36	Beivvas Sami Teahter	29 268		1
37	Bioforsk Holt		60 976	1
38	Black Lion Pictures Oy		3 000	1
39	Bnear IT AB		2 000	2
40	Boden Utveckling AB	1 000		1
41	Bodens kommun	17 755		1
42	Bodö kommune	6 097		1
43	Boliden Electro		1 050	1
44	Brokk		4 000	1
45	Brändö Konferens & Fritidsby AB		9 780	2
46	Brødrene Karlsen AS		600	1
47	Camp Ripan AB		13 080	2
48	CAPE Lapland Oy		4 000	2

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
49	Casselgren Innovation AB		14 527	1
50	Castolin Scandinavia AB		5 500	1
51	Centria-ammattikorkeakoulu Oy	342 989		9
52	CGI		1 000	1
53	City Hotel Oy		5 000	1
54	Clarion Hotel Sense		18 360	2
55	Collaprimo OY		12 500	2
56	Conex		4 000	1
57	DDig AB		1 050	1
58	Destia Oy		4 500	1
59	Destination Inlandsbanan AB		8 790	2
60	Digita Oy		1 000	1
61	Dundret Sweden AB		2 529	1
62	Duroc AB		5 500	1
63	Duroc Laser Coating		5 500	1
64	Eija Nivala Design Oy		1 500	1
65	Elinkeino-, liikenne- ja ympäristökeskus	154 072		4
66	Elite hotel / Bishops Arms Scandinavia AB		6 480	1
67	Elite Hotel Luleå		4 950	1
68	Elpex Sweden AB		1 000	1
69	EräHotelli Nellim Oy		4 750	1
70	Eskelisen Lapin Linjat Oy		2 500	1
71	Europcar		1 750	1
72	Explore the North AB		3 300	1
73	FilmCamp AS		186 244	1
74	Fineweld Oy		1 000	1
75	Finnish Lapland Tourist Board / LME		14 608	2
76	Finnmarks fylkeskommune	475 133		7
77	Finsk-Svenska Gränsälvscommissionen	3 000		1
78	Fjällguiden AB		2 310	1
79	Foreca Oy		52 937	1
80	Forest Hotel		1 208	1
81	Forskningsparken AS	8 899		1
82	Forskningsparken i Narvik		20 667	1
83	Fortum Power and Heat Oy		12 000	1
84	Frebelt AB		1 000	1
85	Future Eco		20 628	1
86	Fylkesmannen i Finnmark	121 951		2
87	Föreningen Norden Norrbotten	3 800		2
88	Gaaltije-sydsamiskt kulturcentrum	0		1
89	Gbuilder		2 000	1
90	Geologiska forskningscentralen (GTK)	150 949		3
91	Gestamp Hardtech AB		11 000	2
92	Giron Sámi Teáhter	31 600		1
93	Global Boiler Works Oy		1 000	1
94	Group Builder		1 500	1
95	Guolbba Oy / Lomakylä Valle		1 750	1
96	Gällivare kommun	24 438		3

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
97	Hagblom Oy		1 000	1
98	Haparanda kommun	62 241		3
99	Haparanda Stadshotell AB		3 300	1
100	Happy Booking		1 050	1
101	Harrinivan Lomakeskus Oy		14 500	1
102	Hartela-Forum Oy		1 000	1
103	Havs- och vattenmyndigheten	307 829		1
104	Heart of Lapland		3 790	1
105	Herman Andersson Oy		1 000	1
106	Hiihtokeskus Iso-Ylläs Oy		9 500	1
107	Himmerkinlahti Oy		4 000	2
108	Honkamajat Oy		1 000	1
109	Hopeaseppä Jorma Smeds		500	1
110	Hotell Storforsen AB		6 480	1
111	Hotelli Inarin Kultahovi Oy		2 500	1
112	Hotelli Ivalo Oy		5 000	1
113	Hotelli Korpikartano		2 500	1
114	Hovilompolo		300	1
115	Hulkoffgården AB		750	1
116	Hullu Poro Oy		34 250	2
117	Hushållningssällskapet Norrbotten-Västerbotten		9 500	3
118	Hydro66		15 000	1
119	Högskolan i Narvik	70 860		1
120	Icehotel AB		26 280	2
121	Icross Flyfishing		1 050	1
122	Ihana! AS		25 244	1
123	Iin kunta	3 000		1
124	Iin Micropolis Oy	15 588		1
125	Ilmatieteen laitos	52 079		2
126	IMSS Oy		2 000	1
127	Inarin Lapin Vesi Oy	35 998		1
128	Inari-Saariselkä Matkailu Oy		4 750	2
129	Industrigruppen Bottnia		5 362	1
130	Infranord AB		5 500	1
131	Innovasjon Norge	737 465		5
132	International Sámi Film Institute	15 800		1
133	Interrent Oy/ Europcar		2 250	1
134	IUC Norrbotten		16 653	1
135	J.M. Eskelisen Lapin Linjat Oy		9 500	1
136	Jake Rakennus Bygg Oy		500	1
137	JKS Products Ltd		1 000	1
138	Jord Ekonomisk förening		9 727	1
139	JS Oy Pietarsaari		9 300	1
140	Kainuun liitto 24969924	25 000		1
141	Kainuun Voima Oy		4 000	1
142	Kainuunkylän osakaskunta		1 500	1
143	Kaivosyhtiö Arctic Ametisti Oy		4 750	2
144	Kalaliike Haavi		600	1

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
145	Kalix kommun	7 500		1
146	Kansallisarkisto/Saamelaisarkisto Samearkivet	66 539		2
147	KAO, Kajaanin Kaupungin koulutusliikelaitos/Kainuun ammattic	61 608		1
148	Karasjoga gielda/Karasjok kommune	96 341		2
149	Karungi fiskeförening		600	1
150	Karungi hembygdsförening		150	1
151	Karungi Skifteslags samfällighetsförening		1 500	1
152	Karungin osakaskunta		7 500	1
153	Kaulirannan osakaskunta		700	1
154	Kemin Digipolis Oy	8 500		2
155	Kemin Matkailu Oy		18 500	2
156	Keskipiste-Leader ry	577		1
157	Keski-Pohjanmaan koulutusyhtymä	40 521		1
158	Kieringin Lomakylä Oy		1 750	1
159	Kiruna Lappland ekonomisk förening		19 300	2
160	Kiruna Wagon		4 000	1
161	Kittilän kunta	9 000		1
162	Kjeøy Research and Education Center		145 526	1
163	Klar Svan AB		1 000	1
164	Koillismaan Leader ry	577		1
165	Koivukylä-Päkkilä-Vitsaniemi fiskeförening		300	1
166	Kokkola LCC Oy		20 200	2
167	Kokkolan kaupunki	10 000		1
168	Kokkolan matkailu Oy		1 000	1
169	Kokkolanseudun Kehitys Oy (KOSEK)	145 202		3
170	Korpikylä hembygdsförening		300	1
171	Korpikylän osakaskunta		6 000	1
172	Koy Koutalaki / Hotel Levi Panorama		12 000	2
173	Kuivakankaan osakaskunta		750	1
174	Kukkola kalastuskunta/fiskeförening		3 990	1
175	Kukkola samfällighetsförening		6 000	1
176	Kukkolaforsten Fastighet		3 000	1
177	Kukkolaforsten Turist & Konferens AB		15 780	3
178	Kukkolan kyläyhdistys		300	1
179	Kukkolan osakaskunta		11 010	1
180	Kukkolankosken Myllynpirtti		1 000	1
181	Kukkolankosken siikakalastusyhtymä		2 400	1
182	Kukkolankoski Catering		300	1
183	Kuljetusliike Kinnunen Oy		500	1
184	KUST Hotell & Spa i Piteå		9 780	2
185	Kylmämaan Ohjelmat Oy		4 000	2
186	Kåfjord kommune	51 594		1
187	Lapin ammattikorkeakoulu Oy 25287925	421 665		11
188	Lapin yliopisto	115 500		3
189	Lapland Hotels Oy		39 250	2
190	Lapland Ice & Light AB		2 310	1
191	Lapland Resorts AB		26 280	2
192	Lapland Safaris Group Oy		39 250	2

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
193	Lapland Welcome Oy		2 250	1
194	Lappesuando Turistservice AB		6 480	1
195	Lapin liitto	6 379 125		58
196	Lapplands kommunalförbund	16 416		2
197	Lasercom AB		1 072	1
198	Lestijärven kunta	16 273		2
199	Levin matkailu Oy		28 250	2
200	Levin Matkailukeskus Oy		34 250	2
201	Licab		1 000	1
202	LKAB		6 000	1
203	Loiste Oy		1 000	1
204	LUKE Luonnonvarakeskus (Naturresursinstitutet)	121 932		4
205	Luleå kommun	117 216		5
206	Luleå tekniska universitet	1 435 725		31
207	Lunds universitet	47 664		1
208	Länsstyrelsen i Jämtlands län	89 554		1
209	Länsstyrelsen i Norrbottens län	799 741		12
210	Maailmasta Oy		26 000	1
211	MAF Arkitektkontor AB		1 000	1
212	Matkakoski fiskeförening		3 000	1
213	Matkalle Sallaan ry		4 000	2
214	Meri-Lapin Matkailu Oy		4 000	2
215	Metasphere Technology AB		10 900	1
216	Metsähallitus	163 472		4
217	Meän kukkolankoski ry		500	1
218	Midnight Composites AB		1 921	1
219	Miilux		20 000	1
220	Mirror Partner Utveckling AB		1 000	1
221	Moose & Goose AB		2 310	1
222	Movenium AB		1 000	1
223	Myvon Oy		1 750	1
224	Narvik Composite		600	1
225	Narvik kommune	60 976		1
226	Nasjonalparkstyret for Reisa nasjonalpark og Raisdouttarhaldi	51 592		1
227	Naturpolis Oy	96 350		2
228	Nedre Vojakkala Skifteslags samfällighetsförening		1 000	1
229	Nellim Wilderness Hotels & Safaris		9 000	1
230	Niekh Adventure AB		2 310	1
231	Nivala-Haapajärven seutukunnan kehittämissyhtiö Nihak Oy	11 250		1
232	Nivalan Teollisuuskylä Oy	11 250		1
233	Nord Troms Museum	3 000		1
234	Nordiska ministerrådet	426 365		2
235	Nordkalotträdet (NKR)	67 940		8
236	Nordland fylkeskommune 964982953	832 455		17
237	NordNorsk Reiseliv as		377 917	1
238	Nordnorsk vitensenter	80 738		1
239	Nordnorske entreprenørers serviceorganisasjon SA		13 701	1
240	Nord-Trøndelag fylkeskommune	4 683		1

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
241	Norges forskningsråd	61 908		1
242	Norges Vassdrags- Og Energidirektorat (Nve)	26 829		1
243	Norinnova AS		24 390	1
244	Norra-Österbottens förbund	97 540		2
245	Norrbottnens Handelskammare Service AB		20 557	4
246	Norrlandsjord och Miljö AB		1 050	1
247	Norsk institutt for bioekonomi	60 000		1
248	Norsk institutt for naturforskning	140 184		1
249	Norsk kulturråd	48 780		1
250	Northern Norway Tourist Board		272 029	1
251	Norut		83 845	1
252	Norut Narvik	23 225		1
253	Norut Tromsø	313 110		3
254	Nouseva Rannikkoseutu ry	684		1
255	Nuorgamin Lomakeskus Ky		1 750	1
256	Nuotiorannan kalastuskunta		1 200	1
257	Nutti Sámi Siida		6 480	1
258	NxtVN Finland Oy		15 000	1
259	Närkin Tengeliö Portimojärvi osakaskunta		600	1
260	OnlineMarina		1 000	1
261	Optomed		5 000	1
262	Oulu Business Networks Oy		500	1
263	Oulun ammattikorkeakoulu	154 057		5
264	Oulun DataCenter Oy		1 322	1
265	Oulun Energia Oy		4 000	1
266	Oulun kaupunki	634 622		10
267	Oulun Kojeistotarvike Oy		500	1
268	Oulun Konttivuokraus Oy		1 300	1
269	Oulun Matkailu Oy		30 000	1
270	Oulun seudun koulutus kuntayhtymä (OSEKK)	43 179		1
271	Oulun Yliopisto	716 995		18
272	Outokumpu		15 000	1
273	Oy Häggblom Ab		10 900	1
274	Oy Kinos Safaris ltd		2 500	1
275	Oy Sea Lapland Hotels & Restaurants, Hotelli Merihovi		2 500	1
276	Pajala kommun	10 800		1
277	Participating companies Norway		836 195	8
278	Participating companies Suomi		6 200	1
279	Peab		8 530	1
280	Peräpohjolan Kansanopiston Kannatusyhdistys		4 536	1
281	Pirkkiön osakaskunta/ vesialue		639	1
282	Piteå Energi AB		2 573	1
283	Piteå Havsbad AB		19 800	1
284	Piteå kommun	1 000		1
285	Playsign		2 000	1
286	Pohjois- Suomen Tekniikkapalvelut Oy		1 000	1
287	Pohjois-Suomen audiovisuaaliset ammattilaiset		20 412	1
288	Pohjolan Safarit		3 150	2

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
289	Pohjola-Norden		500	1
290	Polar Star Travel / Aurora Incoming Levi oy		2 500	1
291	Polardörren AB		1 050	1
292	Polarfönster		1 050	1
293	Posion Matkailuyhdistys		1 750	1
294	Premec Oy		1 000	1
295	Pro-Agria Oulu ry		0	1
296	Projant/ Katsastus Team Oy		1 300	1
297	Prosiika ry		2 400	1
298	Pure Lapland AB		2 310	1
299	Pyhä-Luosto Matkailuyhdistys ry		2 250	1
300	Pyhä-Luosto Resort Association		1 750	1
301	R- Automatic		1 050	1
302	Raahen setukunta	7 000		1
303	Rana kommun	6 097		1
304	Randax		5 000	1
305	Rec Alkaline Oy		1 000	1
306	Region Jämtland Härjedalen	102 192		1
307	Region Norrbotten	3 387 166		43
308	Regionförbundet Västerbottens län	151 817		3
309	Reklamcentra produktion i Sverige AB		1 050	1
310	Relitor Engineering AB		1 072	1
311	Rieska-Leader ry	577		1
312	RISE Research Institutes of Sweden AB	22 642		1
313	RISE SICCS North AB	73 303		1
314	Roadscanners Oy		2 900	1
315	Robit Plc		9 300	1
316	Robot Center Norr AB		1 072	1
317	Rolls-Royce Oy Ab		10 900	1
318	Rovaniemen kaupunki	12 000		1
319	Rovaniemen Kehitys oy	30 000		1
320	Rovaniemen Matkailu ja Markkinointi Oy		2 250	1
321	Ruka-Kuusamo Matkailu ry		34 500	1
322	RYK	51 220		1
323	Saalasti Oy		9 300	1
324	Saamelaisalueen koulutuskeskus	40 480		2
325	Saamelaiskäräjät	270 821		1
326	Saferescue Sweden AB		1 000	1
327	Salla Ski Resort / Kaunisharju Oy		2 250	1
328	Saltoluokta, STF AB		6 480	1
329	Samediggi/Sametinget Norway	1 077 853		5
330	Samelands resor AB/Fjällguiden AB		1 072	1
331	Samernas utbildningscentrum	20 124		1
332	Samerådet, norska sektionen	9 146		1
333	Sameslöjdsstiftelsen	15 800		1
334	Sametinget Sweden	450 989		2
335	Sámi Museum Siida	1 750		1
336	Sámi University College	144 390		2

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
337	Samisk vidaregående skole og reindriftsskole	121 951		1
338	Sápmi Nature AB		8 790	2
339	SARB Consulting Norge AS		6 098	1
340	Scandic		7 500	1
341	SCC Oulu companies		13 000	1
342	Science city Skellefteå AB		1 440	1
343	Senja AS		600	1
344	SFTec Oy		1 319	1
345	Sicomp swedish inst of composits	28 529		1
346	Siida-Saamelaimuseo ja luontokeskus	2 250		1
347	Sijti Jarnge - det samiske kultur- og utviklingssentre i Hattfjellda	140 988		1
348	Sintef Nord AS	8 500		1
349	SJ Norrlandståg AB	10 800		1
350	Skellefteå City Airport AB	20 700		2
351	Skellefteå kommun	151 925		2
352	Slow Food Sápmi		0	1
353	Smart Construction Cluster Alta		6 097	1
354	Smart construction Cluster Tromsø		6 097	1
355	Smilee/Kommeet Oy		1 200	1
356	Somotec Oy		4 650	1
357	Sport Resort Ylläs / Hiihtokeskus Iso-Ylläs Oy		5 000	1
358	SSAB		20 000	1
359	Statens kulturråd	53 915		1
360	Stella Polaris AS		600	1
361	STF Abisko		11 880	1
362	Stiftelsen Gaaltije		650	1
363	Stiftelsen Saemien sijte	79 133		2
364	Stiftelsen Teknikens Hus	37 500		1
365	Stiftelsen Tornedalens folkhögskola	20 065		1
366	Stiftelsen Utbildning Nordkalotten	61 095		1
367	Stockholms universitet	228 564		1
368	Stoorstålka AB		1 072	1
369	Stora Sjöfallet Fjäll AB		6 480	1
370	Storfjord kommune	70 002		1
371	Storumans kommun	125 523		1
372	Studio E-city		20 795	1
373	Suomalais-Ruotsalainen kulttuurirahasto		2 000	1
374	Suomen keskusvaraamo Oy		1 000	1
375	Suomen ympäristökeskus	56 679		2
376	Sustainalube AB		500	1
377	Svanstein Resort AB		2 310	1
378	Sweco		8 530	1
379	Swedavia AB	31 500		2
380	Swedish Lapland Visitors Board	18 156		2
381	Svenska Tågkompaniet AB		10 800	1
382	Swerea Mefos AB	85 079		2
383	SverigeFinska Folkhögskolan	36 579		2
384	Sveriges geologiska undersökning	215 184		2

	Financier	Public co-financing EUR	Private co-financing EUR	Number of projects supported
385	Sähkövaltti Oy		1 000	1
386	Säiö Ykköset Oy		1 000	1
387	Särkijärven Majat Oy		1 750	1
388	Sörbyn Turism och Konferens		6 480	1
389	Sör-Tröndelag fylkeskommune	4 683		1
390	Tana Kommune	132 255		3
391	Tanavassdragets fiskeforvaltning (TF)		16 098	1
392	Teca Oy		500	1
393	Termater Oy		500	1
394	The Northern company AS		4 878	1
395	Thermotic AB		1 072	1
396	Tornedalens Renprodukter		1 050	1
397	Tornedalsrådet	7 800		2
398	Torneå kommun	8 000		2
399	Tornio-Muoniojokiseura		300	1
400	Tornionjoen kalastusalue		900	1
401	Tosibox Oy		1 000	1
402	TravelCo in Swedish Lapland AB		2 310	1
403	Treeform		4 716	1
404	Treehotel AB		9 780	2
405	Tromb		1 000	1
406	Troms fylkeskommune	2 452 500		27
407	Tromsö kommune	59 699		2
408	Träbyggarna i Kalix		1 072	1
409	Trøndelag fylkeskommune	61 263		1
410	TTY-säätiö (Tampereen teknillinen yliopisto)	0		2
411	Turnhill AB		4 000	1
412	Turun yliopisto	2 296		1
413	Tyrens		8 530	1
414	Tyréns AB		1 072	1
415	UiT Norges arktiske universitet	777 955		10
416	UKI		3 000	1
417	Uki Arkkitehdit Oy		2 500	1
418	Umeå universitet	133 897		3
419	UPM Energy		4 000	1
420	Utbildning Nord		33 160	1
421	Utsjoki kommun	110 675		2
422	Vasa universitet	35 909		1
423	Vattenfall Vattenkraft AB		15 000	1
424	Vida Nord DMC		6 480	1
425	Wild Nordic Finland / Villi Pohjola Oy		5 000	1
426	Villi Pohjola Oy		2 250	1
427	Visamix Oy		2 250	1
428	Visit Abisko		2 310	1
429	Visit Inari Oy		4 750	2
430	Visit Luleå AB		19 300	2
431	Visit Rovaniemi		2 500	1
432	Visit Sweden	321 000		1

