



Green Net Finland project references

*Top-expertise in cleantech development projects
since 2001*

Full list of main project references



Co-funded by the COSME programme
of the European Union

GreenTech 2.0



GreenTech
Clusters for Excellence 2.0

DURATION: 02/2022-01/2024

CONSORTIUM: Tehnopol Science Park, Tallinn, LP (EST), Green Net Finland (FIN), Dalarna Science Park (SE), Kaunas Technology and Science Park (LT) and Poznan Science and Technology Park (PL)

FUNDING: EU COSME programme

PROJECT OBJECTIVE: Develop the quality of managing the cluster networks of project partners, Develop new services for network members, Organize exchange visits for organizations outside the networks. The purpose of the study visits is to develop and innovate new opportunities for participating organizations. Visitors can be representatives of a wide range of organizations, including SMEs, training organizations, RDI organizations and public organizations.

GNFs' ROLE: GNF is responsible for the ClusterXchange program work package, which aims to carry out a significant number of international co-operation visits between partner regions in two different phases.



Co-funded by
the European Union

Cool4City - Clean Green City by Smart Waste Management



DURATION: 02/2021-12/2022

CONSORTIUM: Helsinki Region Environmental Services HSY, Metsäsairila Oy, Mikkelin Toimintakeskus ry/ Uutta elämää -Group, Green Net Finland ry

FUNDING Instrument: SEFRCBC

PROJECT OBJECTIVE: The project will influence a wide range of target groups from public local authorities to students and children studying in cross-border region. Cool4City will try to speak the “language” of each target group developing comprehensive, colourful and simple information visual materials.

GNFs' ROLE: Description of operational models and practicalities of municipal solid waste management in Finland





Cata3Pult - Catalyzing new green business with public-private cooperation



DURATION: 2019-11/2022

CONSORTIUM: In Finland: City of Lappeenranta (Lead Partner), Green Net Finland, Metropolia University of Applied Sciences

FUNDING Instrument: South-East Finland cross border collaboration

PROJECT OBJECTIVE: Catalyzing new green business with cross-border and public-private cooperation in South Karelia, Helsinki and St. Petersburg area

GNFs' ROLE: Facilitation of circular economy expert group, co-developing on business cases, writing of market watch reports and development of operation models for expert groups



EUROPEAN UNION
European Regional Development Fund



Interreg
Central Baltic



ASIA-CLEAN – Expand your business to China and Malesia

DURATION: 04/2019-12/2021

CONSORTIUM: GNF, Tehnopol Science Park (Tallinn), Turku Science Park

FUNDING Instrument: Interreg Central Baltic (CB)

PROJECT OBJECTIVE: The project boosted new exports of cleantech and green technology products and services from Finland and Estonia to North-East China and Malaysia. The business focus was on products and services reducing anthropogenic emission into the environment. The project exceeded its targets and created 12 deals to participating SMEs (target was 10).

GNFs' ROLE: Coordination, responsible for North-East China activities

ASIA-CLEAN
Expand your business to China or Malaysia





Vipuvoimaa
EU:lta
2014–2020

HYPPY– Rakennusosat ja materiaalit kiertoon – kokeiluilla uutta liiketoimintaa



DURATION: 9/2019-3/2022

CONSORTIUM: GFN, HAMK Uni of Applied Sciences, SYKLI, Metropolia Uni of Applied Sciences

FUNDING Instrument: ERDF

OBJECTIVE: to develop working concepts of reutilizing building parts and materials for municipalities. Such concepts enable growth of new business related to circular economy. With the practical experiments in HYPPY, inspiring and tested examples of such concepts are demonstrated. In addition, HYPPY yield useful information of the applicability of already existing international concepts to Finland. The practical experiments of HYPPY are based on the development needs identified in participating municipalities (Helsinki, Hämeenlinna, Forssa, Riihimäki). The project made tests on a to-be-reused concrete wall slab. It also investigated the use of green funding in demolition projects. A comprehensive report in FIN is available at the GNF website.

GNFs' ROLE: Project coordination, arranged workshops, co-develop working models





Vipuvoimaa
EU:lta
2014–2020

SHOPS2HUBS – Reuse centre 2.0



DURATION: 9/2019-12/2021

CONSORTIUM: GFN, Stadin Ammattiopisto (Helsinki), SYKLI, Metropolia Univ. of Applied Sciences

FUNDING Instrument: ERDF

OBJECTIVE: SHOPS2HUBS – Reuse Center 2.0 project develops new circular economy HUBs to selected pilot sites at Helsinki-Uusimaa region in Finland. The circular economy HUB enhances co-operation and networking of entrepreneurs and craftsmen and enables reprocessing of existing used goods and materials at the recycling center. The project exceeded the target of low-carbon actions at participating companies.

GNFs' ROLE: Coordination, lead of the concept development WP





Uudenmaan kiertotalouslaakso -esiselvitys



DURATION: 04/2021-11/2021

CONSORTIUM: VTT, CLIC Innovation, HSY, GNF

FUNDING Instrument: UKKE/AKKE

PROJECT OBJECTIVE: The project creates a concept for developing the Circular economy ecosystem in the Helsinki-Uusimaa region. This includes mapping value chains and actors, finding key players and developing circular economy indicators, as well as creating a strong foundation for the circular economy valley of Uusimaa. The project brings together the most important actors in Uusimaa in different areas of the circular economy.

GNFs' ROLE: Lead partner, lead of the concept development WP

Energize Co2mmunity

DURATION: 10/2020 – 12/2021

CONSORTIUM: Kiel University, Lead (DE), Green City Experience GmbH (DE), Heinrich-Böll Foundation Schleswig-Holstein e.V. (DE), Municipality of Middelfart (DK), Tartu Regional Energy Agency (EST), Green Net Finland (FIN), Kaunas Regional Energy Agency (LT), Riga Planning Region (LV), Aalto-University (FIN). Finnish Pilot is run by: GNF and Aalto University (School of Arts, Design and Architecture). The Associated partner Municipality of Lapinjärvi is collaborating and co-funding with the project.

FUNDING Instrument: Interreg BSR

PROJECT OBJECTIVE: Energize Co2mmunity project launches real-life pilot projects of renewable community energy in the Baltic Sea region. Citizens facilitate, implement and co-finance renewable energy projects from different local sources (e.g. solar, wind, biomass, geothermal).

GNFs' ROLE: Lead the Lapinjärvi Husulanmäki FIN-pilot.



HUKATON - New business and collaboration models for efficient waste heat recovery and heat storage in the built environment



Vipuvoimaa
EU:lta
2014–2020

DURATION: 2018-2020

CONSORTIUM: Green Net Finland, Aalto University, Turku University of Applied Sciences and GTK Geological Survey Finland

FUNDING Instrument: ERDF

PROJECT OBJECTIVE: Creation of new holistic concepts for heating of buildings, consumer response and energy storage that are energy efficient and economically viable and based on new and smart value chains between various solution providers. A [comprehensive report in FIN](#) is available at the GNF website.

GNFs' ROLE: Coordination, state-of-the art analysis, involving of solution providers and business models development.



Co2mmunity - Co-producing and co-financing renewable community energy projects

DURATION: 2017-2020

CONSORTIUM: GNF, Aalto university, Thermopolis and Regional Council of South Ostrobothnia, Kiel University (LP) Germany, Heinrich Böll Stiftung, Green City Development, Middelfart municipality Denmark, TREA Estonia, Energikontor Sydost Sweden, Riga Planning region Latvia, KREA Lithuania and Foundation of Sustainable Energy Poland

FUNDING: EU INTERREG Baltic Sea Region

PROJECT OBJECTIVE: Catalyzing community energy projects through local renewable energy cooperative partnerships (RENCOP). Co2mmunity will initiate and manage a RENCOP. A transnational exchange of RENCOPs will result in a transferable RENCOP model, enabling a transnational catch-up process between frontrunners and followers and enhancing the capacity of local, regional and BSR-wide actors to foster CE.

GNFs' ROLE: Management of Uusimaa RENCOP about solar and geothermal heat energy. Coordination of all project RENCOPs.



BSR Electric - Fostering e-mobility solutions in urban areas

- **DURATION:** 2017-2020
- **CONSORTIUM:** Green Net Finland, Helsinki Region Environmental Services Authority HSY, Turku UAS and international partners from Germany, Poland, Sweden, Estonia, Denmark, Norway and Latvia
- **FUNDING:** EU INTERREG Baltic Sea Region
- **PROJECT OBJECTIVE:** Enhancing the utilization of e-mobility in urban transport systems of various types of urban e-mobility such as city logistics, e-bikes, e-buses, e-scooters and e-ferries.
- **GNFs' ROLE:** Coordination of state-of-the art analysis work package and supporting the creation of Uusimaa pilot about e-bikes.

CB2East – Central Baltic Cleantech Clusters expanding the East of the EU markets

- **DURATION:** 2015-2018
- **CONSORTIUM:** Green Net Finland, Finnish Water Forum and Cleantech Latvia
- **FUNDING:** EU INTERREG Central Baltic
- **PROJECT OBJECTIVE:** Creating commercially oriented and mutually economically beneficial cooperation in the clean technology sector between clean technology clusters in Finland, Latvia, North West Russia and Central Asia.
- **GNFs' ROLE:** Identification of business leads in St. Petersburg region, providing market information, creating long-term collaboration with St. Petersburg key stakeholders, events and expert presentations



Rakentamisen kiertotalous kunnissa

RANTA - Circular Economy Aspects of Construction in Municipalities

- **DURATION:** 2016-2018
- **CONSORTIUM:** Green Net Finland, Finnish Environmental school Sykli, Metropolia UAS, Häme UAS
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Developing new methodologies and increasing know-how in municipalities' operations supporting circular economy aspects in building demolition and controlling land masses in construction.
- **GNFs' ROLE:** Project coordination, new business models

ECOLOGICAL TERRACE -competition

- **DURATION:** 2017
- **CONSORTIUM:** Green Net Finland, City of Helsinki
- **FUNDING:** City of Helsinki
- **PROJECT OBJECTIVE:** Arranging a competition to find a new concept that can prolong the restaurant terrace season in Nordic conditions, without compromising on ecology. The competition yielded diverse solutions for carrying out an ecological, innovative, duplicable restaurant terrace, which promotes a high-quality cityscape.
- **GNFs' ROLE:** Organising the competition as a service to City of Helsinki



TARVE - Methods and Tools Supporting Innovative Public Procurement in Energy Efficiency

- **DURATION:** 2015-2017
- **CONSORTIUM:** Green Net Finland, Finnish Environmental school Sykli, Posintra
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Supporting the implementation of innovative public procurement in energy efficiency in the municipalities by developing a calculation tool streamlining the calculation for life cycle costs and environmental assessment of different energy efficient solutions. Also the knowledge about energy efficiency is increased within the decision makers in the municipalities via education and sharing the best practices.
- **GNFs' ROLE:** Project coordination, market dialogue



Climate-KIC Uusimaa pilot

Climate-KIC

- **DURATION:** 2015
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Climate-KIC
- **PROJECT OBJECTIVE:** Work with the regional key actors to identify common areas of activity in compliance with Climate-KIC's agenda. Investigate the technical, economic and environmental preconditions of open innovation models, knowledge transfer instruments and financial mechanisms in the Helsinki-Uusimaa Region as a part of the road map to a carbon neutral region. Develop a cooperation plan with specific areas for joint investment. Engage other experts from across the Climate-KIC community as appropriate. Explore stronger collaboration models between Climate-KIC and the Helsinki-Uusimaa region.
- **GNFs' ROLE:** All project activities were implemented by GNF.

HP4nZEB HP4NZEB – Heat Pumps for Nearly Zero Energy Buildings

- **DURATION:** 2013-2015
- **CONSORTIUM:** Green Net Finland, Aalto University, VTT
- **FUNDING:** Tekes and Finnish industries
- **PROJECT OBJECTIVE:** Outlining what is cost efficient and achievable "nearly zero energy" level in Finnish circumstances when it comes to concepts utilizing heat pumps. The project was the Finnish national project participating IEA Heat Pump Programme (HPP) Annex 40.
- **GNFs' ROLE:** Project coordination, administration, international collaboration (annex collaboration) and coordinating the participation of the Finnish industries.

The logo for ENSIO, featuring the word "ENSIO" in white, uppercase, sans-serif font inside a teal rectangular box.

ENSIO – Supporting the market foresight capability of Finnish cleantech SMEs

- **DURATION:** 2013-2014
- **CONSORTIUM:** Green Net Finland and RAKLI - The Finnish Association of Building Owners and Construction Clients
- **FUNDING:** The Uusimaa Centre for Economic Development, Transport and the Environment (ELY Centre)
- **PROJECT OBJECTIVE:** Supporting the foresight capability of Finnish cleantech SMEs. Strengthen the capability of SMEs to join international development project consortiums and local public procurement processes. Creating new value chains by networking cleantech SMEs.
- **GNFs' ROLE:** Project coordination, SME expert services, networking activities



RASTI – Smart business in St.Petersburg

- **DURATION:** 2014-2015
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Uusimaa Regional Council (MAKERA)
- **PROJECT OBJECTIVE:** Supporting the creation of St. Petersburg Cleantech Cluster and ensuring business possibilities for Finnish cleantech SMEs.
- **GNFs' ROLE:** Expert services in cleantech and cluster management



IJI – Innovativeness in Public Procurement

- **DURATION:** 2012-2014
- **CONSORTIUM:** Green Net Finland, Häme UAS, CLEEN Oy, Culminatum Innovation, Lappeenranta University of Technology, LADEC Oy
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Supporting the implementation of eco-efficient and innovative public procurement in municipalities through various case studies.
- **GNFs' ROLE:** Project coordination, case studies "Zero energy daycare" and "eco-efficiency in procurement of transport"



Cleantech
Incubation
Europe

CIE – Cleantech Incubation Europe

- **DURATION:** 2012-2014
- **CONSORTIUM:** Green Net Finland, Delft University of Technology, I3P – Innovative Companies Incubator of the Politecnico of Torino, Municipality of Turin, City of Helsinki, Peterborough City Council, Imperial College London, Szent Istvan University, City of Delft, Novagreen, Essone region, ParisTech School of Engineers
- **FUNDING:** INTERREG EUROPE
- **PROJECT OBJECTIVE:** Bringing together best practices to find out which policies are most effective in enabling cleantech incubation at a regional level.
- **GNFs' ROLE:** Studying best practices of cleantech incubation in Uusimaa and Germany.



HEA - Well-being and Energy Efficiency for the Living Conditions of Senior Citizens

- **DURATION:** 2011-2014
- **CONSORTIUM:** Green Net Finland, Metropolia UAS, Aalto university, Arcada UAS, Kymenlaakso UAS, Lappeenranta university of technology, Laurea UAS, Saimaa UAS and Turku UAS
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Seeking innovative solutions for improving the residences, well-being and services available to senior citizens. Identifying sustainable social and technological solutions for people's well-being and residences by combining the welfare sector's customer understanding with expertise in cutting-edge technology.
- **GNFs' ROLE:** Energy expertise, dissemination

VERKA - FROM NETWORKS TO ALLIANCE

- **DURATION:** 2010-2013
- **CONSORTIUM:** Green Net Finland, University of Oulu
- **FUNDING:** ESF
- **PROJECT OBJECTIVE:** Developing national platform for companies and research institutes to interactively utilize products and knowledge in measurement technology.
- **GNFs' ROLE:** Cooperation practices in environmental monitoring and measurement technology, which is a relevant development area in the field of climate change and energy research.



EEMontti - Reducing residential estates' heating costs in half

- **DURATION:** 2011-2012
- **CONSORTIUM:** Green Net Finland, Metropolia UAS
- **FUNDING:** Tekes, Sitra
- **PROJECT OBJECTIVE:** Creation of holistic, user driven and cost-effective solutions for energy renovations and implement and document them as example cases by organizing a competition for service providers.
- **GNFs' ROLE:** Project coordination, organizing the EEMontti-competition, energy expertise



CLEEN MMEA Programme – MEASUREMENT, MONITORING AND ENVIRONMENTAL ASSESSMENT

- **DURATION:** 2010-2014
- **CONSORTIUM:** About 40 companies and 15 research institutions
- **FUNDING:** Tekes and consortium members
- **PROJECT OBJECTIVE:** Development of new measurement technologies, data quality assurance methods, modeling and forecasting tools and information and communication technology (ICT) infrastructure needed to create the integrated environmental observation networks and environmental decision support systems of the future.
- **GNFs' ROLE:** Connecting SMEs to the MMEA programme

RekkEVidde - Assessing range and performance of electric vehicles in Nordic driving conditions

- **DURATION:** 2011-2013
- **CONSORTIUM:** Green Net Finland, VTT, Test Side Sweden, Municipality of Stockholm, The Institute of Transport Economics (Norway), Icelandic New Energy (Islanti)
- **FUNDING:** Norden
- **PROJECT OBJECTIVE:** Drafting a testing scheme that addresses EV driving in Nordic conditions, and produces realistic range estimates for the consumers to help them understand this raising technology and make successful purchase decisions.
- **GNFs' ROLE:** Project coordination, expert services



SAVE ENERGY

- **DURATION:** 2009-2011
- **CONSORTIUM:** Green Net Finland, Alfamicro (PT), CeTIM (NL), ISA (PT), Leiden municipality (NL), Luleå Municipality (SE), LTU-CDT (SE), Lisboa E-Nova (PT), Manchester municipality (UK), SPI (PT), Salford University (UK)
- **FUNDING:** EU CIP ICT PSP
- **PROJECT OBJECTIVE:** Saving energy in public building through user behaviour change
- **GNFs' ROLE:** Dissemination and exploitation, Helsinki pilot team



The Centre of Expertise (OSKE) Programme

- **DURATION:** 2007-2014
- **CONSORTIUM:** Green Net Finland
- **FUNDING:** Finnish Ministry of Economy and Employment (TEM)
- **PROJECT OBJECTIVE:** Coordination of the work of the national Cleantech Cluster Programme in the Uusimaa Region as a national centre of expertise.
- **GNFs' ROLE:** Enviromental programme implementation in Uusimaa region.



ESYLEP - Promoting Southern Finnish Environmental Business in St. Petersburg and North-West Russia

- **DURATION:** 2010-2013
- **CONSORTIUM:** Culminatum Innovation Oy Ltd. (Lead Partner), Green Net Finland Ry, Lahti Science and Business Park Ltd, Lakes Ltd, University of Lappeenranta
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** Networking Finnish SMEs, R&D and other innovation actors with actors in St. Petersburg. New business and R&D cooperation possibilities. Increasing Russia's interest towards Finnish cleantech and opening possibilities for Russian investors to invest in Southern Finland. Developing and strengthening the industrial and innovation policy services of the Helsinki-Center in St. Petersburg.
- **GNFs' ROLE:** Develop and test simplified models and base for long-term business targeted collaboration for Finnish SMEs in St. Petersburg market.



Nordic Cleantech Alliance

- **DURATION:** 2009-2012
- **CONSORTIUM:** Green Net Finland, Tekes, Grontmij | Carlbro, Green Business Norway, Innovation Center Denmark, Silicon Valley, IVL Swedish Environmental Research Institute, EFOCUS, Swedish Trade Council, Innovation Norway, Trade Council of Iceland
- **FUNDING:** Norden
- **PROJECT OBJECTIVE:** Creation of the Nordic Cleantech Alliance, develop the brand, and to identify business leads in Poland and USA.
- **GNFs' ROLE:** Business leads in Poland

SYÖKSY - Electric Vehicle Integration into The Ring Rail Line Feeder system

- **DURATION:** 2010-2011
- **CONSORTIUM:** Green Net Finland, Aalto university, Metropolia UAS, Tampere University of Technology, Hermia
- **FUNDING:** Tekes, Finnish industries
- **PROJECT OBJECTIVE:** Developing and studying novel traffic solutions based on electric vehicles.
- **GNFs' ROLE:** Project coordination

Business from the Innovation Pipeline

- **DURATION:** 2008-2011
- **CONSORTIUM:** Green Net Finland, Culminatum Ltd, Helsinki University, Häme UAS, Finnish Institute of Meteorology, Lahti Science Park, Lappeenranta University of Technology, Posintra / STOK, Finnish Environmental Institute, Turku Science Park
- **FUNDING:** ERDF
- **PROJECT OBJECTIVE:** To offer customized support to companies and inventors in the environmental monitoring, material and energy efficiency sectors in innovation commercialization – such as help with the idea development, bringing innovations to market, finding partners and funding and internationalization.
- **GNFs' ROLE:** Project coordination, expert services

FENNOPOL – Collaboration plan between Uusimaa region and Mazovian region (Poland) in cleantech

- **DURATION:** 2008-2009
- **CONSORTIUM:** Green Net Finland,
- **FUNDING:** Uusimaa regional council
- **PROJECT OBJECTIVE:** A study and an action plan for cooperation opportunities between the metropolitan areas of Finland and Poland. The Fennopol project focused on the clean energy and energy efficiency sectors.
- **GNFs' ROLE:** Expert input

NETS – Nordic Environmental Technology Solutions

- **DURATION:** 2005-2007
- **CONSORTIUM:** Green Net Finland, Green Business Norway, Grontmij | Carl Bro, Energidalen i Sollefteå AB
- **FUNDING:** Norden
- **PROJECT OBJECTIVE:** Developing a platform for cleantech commercialization in order to increase the competitiveness of Nordic cleantech companies in the global cleantech market. Also to increase the availability and visibility of Nordic cleantech solutions through joint promotional activities and capacity-building of national business networks to support companies in forming value chains and in business-to-business (B2B) marketing.
- **GNFs' ROLE:** Project coordination, expert input

FENEX

- DURATION: 2005-2007
- CONSORTIUM: Green Net Finland
- FUNDING: Sitra, Uusimaa regional council and private companies
- PROJECT OBJECTIVE: Increasing the risk management ability of Finnish companies for increasing the export activities in the Baltic area and in Russia and Ukraine.
- GNFS' ROLE: Expert services. The result: FinRESCO4 business model and seven concrete offers, two new projects and several market area reports.

INNOENVI - Building and development of miniclusters in environmental business

- **DURATION:** 2002-2004
- **CONSORTIUM:** Green Net Finland, Lahti Science Park, Häme UAS, Lappeenranta University of Technology, Turku Science Park
- **FUNDING:** EU
- **PROJECT OBJECTIVE:** To create thematic groups ("clusters") and sub-groups ("mini-clusters") of environmental operatives in order to assist them in finding new business opportunities and increasing their potential for export. The project aimed at ensuring the development of know-how relating to the environment and to creating genuine cooperation between companies operating in the same niche, as well as between technological centres, universities, etc.
- **GNFs' ROLE:** Project coordination, expert input

And many more!

Green Net Finland is also providing various smaller expert services related to cleantech.