



Green Net Finland

Our projects contributing into

UN's SDGs 7th, 11th , 12th and 13th goals



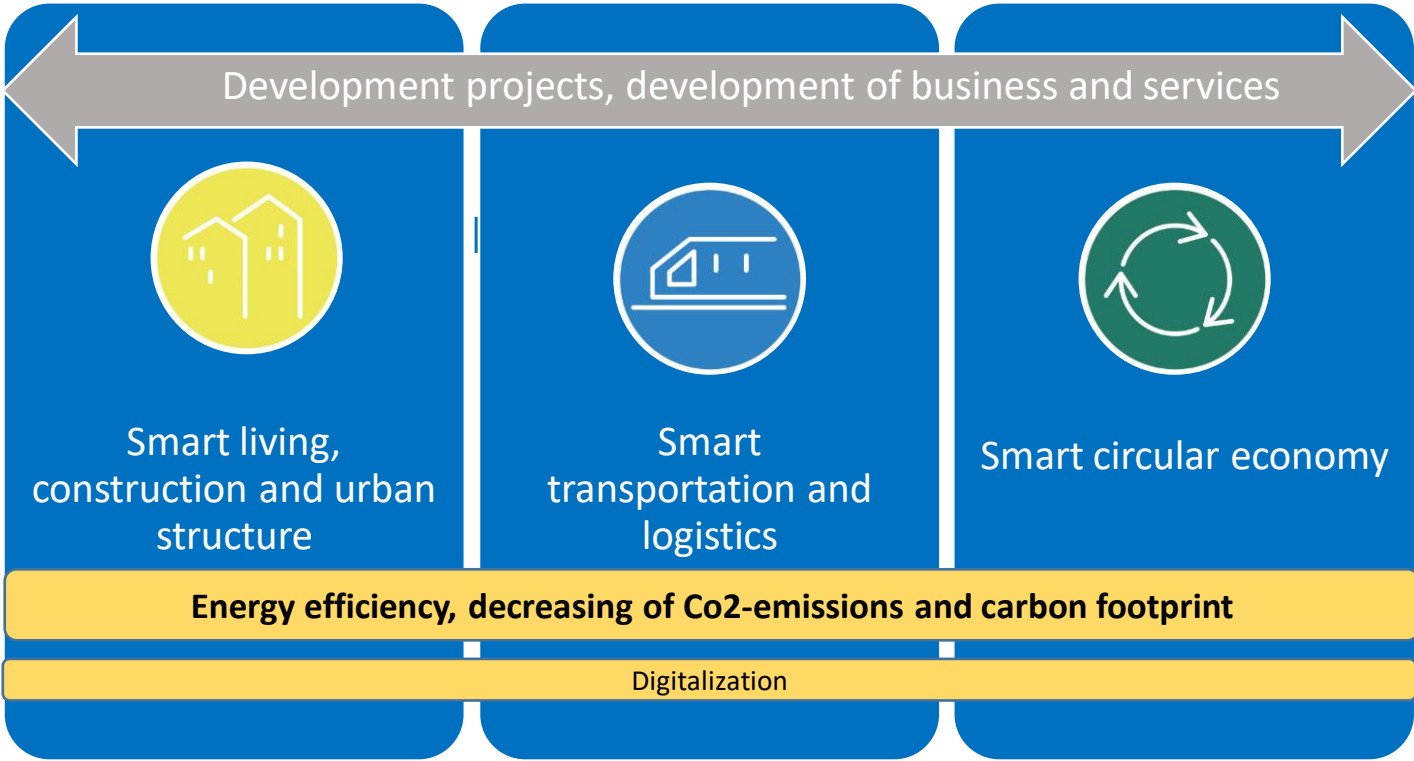
Evilina Lutfi, 19.11.2020

St. Petersburg International Innovation Forum

About Green Net Finland

- We are a Finnish cluster on **responsible environmental and cleantech business** that brings together the expertise and resources of **Finnish companies, scientific and educational institutions and public authorities**.
- We are developing **smart and low-carbon urban environment**
- Committed to **preparing and implementing high-quality cleantech development projects** and offering expert services related to project development and management, European funding instruments, networking and match-making.
- We are a membership-based network and a non-profit organisation registered as an association in Finland.

Our focus as at November 2020



What, where and with whom Green Net Finland contributes at this moment (11/2020)?

Substance topics

- ✓ Efficient **waste** **heat recovery** from the buildings
- ✓ **Heat seasonal storage**
- ✓ **Community Energy** – hybrid **renewable energy systems** for **communal housing** companies of block of flats buildings
- ✓ Demand side management of heat and electricity in the buildings
- ✓ **Urban e-mobility**
- ✓ **Circular Economy aspects in building demolition**
- ✓ Development of **Recycling Centers into Circular Economy Hubs**
- ✓ New development topics based on members' needs

International and Finnish development projects

- ✓ Baltic Sea Region (**Energize Co2mmunity INTERREG BSR project**)
- ✓ St.Petersburg macro region (**Cata3Pult INTERREG ENI project**)
- ✓ Northeast China and Malaysia (**ASIA-CLEAN INTERREG Central Baltic project**)
- ✓ **Finnish ERDF projects: HUKATON, HYPPY, SHOPS2HUBS**

Networks and stakeholders

- ✓ Member network (Finnish enterprises, local/regional public authorities, research)
- ✓ Extended networks within BSR and EU
- ✓ Groups on new business value chains and holistic solutions around substance topics
- ✓ Groups on development of sustainable business models

GNF members by focus area:



energiakonsultit

SRV

eneron

FOURDEG

AX-Suunnittelu

hydrocell

Vantaan Energia
ENERGIAA ELÄMÄÄN

Metropolia
University of Applied Sciences

GTK

HELEN

observis

Lumine
Lighting Solutions

City of Helsinki

gaia

kymisolar.com

HAMK
HÄMEEN AMMATTIKORKEAKOULU
HÄME UNIVERSITY OF APPLIED SCIENCES

Uudenmaan liitto
Nylands förbund

AM
ARVI TECHNOLOGIES

FINNISH METEOROLOGICAL INSTITUTE

SYKE
Finnish Environment Institute

posintra

SCIENCE PARK
TUURINKU

HELSINGIN SEUDUN
KAUPPAKAMARI

METSÄ PALVELU
TURUNEN OY

Vantaa

SYKLI
Suomen ympäristöopisto

DS PRODUCT

Comprendum Oy

Vantaa

CoreOrient

Metropolia
University of Applied Sciences

gaia

Uudenmaan liitto
Nylands förbund

HSY

FINNISH METEOROLOGICAL INSTITUTE

HELSINGIN SEUDUN
KAUPPAKAMARI

netlet

HAMK
HÄMEEN AMMATTIKORKEAKOULU
HÄME UNIVERSITY OF APPLIED SCIENCES

CoreOrient

Vantaan Energia
ENERGIAA ELÄMÄÄN

HSY

gaia

SYKE
Finnish Environment Institute

HELEN

SCIENCE PARK
TUURINKU

Metropolia
University of Applied Sciences

SYKLI
Suomen ympäristöopisto

City of Helsinki

Vantaa

Uudenmaan liitto
Nylands förbund

HELSINGIN SEUDUN
KAUPPAKAMARI

FINNISH METEOROLOGICAL INSTITUTE

Recent extended networks

Memberships in relevant networks:



International consortium "St.Petersburg cleantech cluster for urban environment", Co-founder and Member of the Board of Directors



Climate Partnership of Helsinki region

ILMASTOKUMPPANIT



BALTIC CLEANTECH ALLIANCE, Co-founder

Other cross-cutting collaborations with:

- Smart & Clean Foundation of Helsinki Region
- Finnish Water Forum, Finnish Green Building Council, regional development companies such as WIRMA Lappeenranta Oy

GNF newsletters is sent to about 200 relevant stakeholders

How we contribute at this moment?

Our development projects impact on goals 7, 11, 12 and 13:



Cata3Pult
FINNISH RUSSIAN PPP
CATALYZING NEW GREEN BUSINESS



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

- **DURATION:** 2018-2020
- **CONSORTIUM:** GNF, Aalto university, Turku University of Applied Sciences and GTK Geological Survey Finland
- **FUNDING:** ERDF, City of Helsinki and Helen (GNF co-financing)
- **PROJECT OBJECTIVE:** Creation of new holistic concepts that are efficient and economically viable and based on new and smart value chains between various solution providers.
- **GNFs' ROLE:** Coordination, involving of solution providers and business models development.



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



<http://co2mmunity.eu/>

- **DURATION:** 2017-2020
- **CONSORTIUM:** Kiel University (Lead Partner), GNF, Aalto university, Thermopolis and Regional Council of South Ostrobothnia, Green City Energy, Heinrich-Böll Foundation Schleswig-Holstein e.V., Middelfart Municipality, Tartu Regional Energy Agency (TREA), Kaunas Regional Energy Agency (KREA), Poland Foundation for Sustainable Energy (FNEZ), Energy Agency (EA) for Southeast Sweden
- **FUNDING:** EU INTERREG Baltic Sea Region, Finnish National Public Funding, City of Helsinki (co-financing GNF)
- **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, Leader of activities on Stakeholders Involvement into RENCOPs, writing input into country-specific HANDBOOK for Community Energy projects.



Cata3Pult – Finnish -Russian Public Private Partnership catalyzing new green business

- **DURATION:** 2019-2022
- **CONSORTIUM:** City of Lappeenranta (Lead Partner), GNF, Metropolia UAS, St.Petersburg House Property Owners Association, KOSMOS LLC
- **FUNDING:** European Union, the Russian Federation, Republic of Finland and City of Helsinki (co-financing GNF)
- **PROJECT OBJECTIVE:** To attract businesses to invest, locate and operate in the Programme area. The Project will contribute to economic and environmental development, enhance regional business competitiveness through cross-border Public-Private cooperation and catalyze green solutions development in the Programme area.
- **GNFs' ROLE:** Coordinating activities of Circular Economy expert group, compiling St.Petersburg Cleantech Market Watch Reports, work on glossary for wider Fi-Ru-Eng clean-/green-tech communications.



Access & Success in Northeastern Asia cleantech markets)

- **DURATION:** 2019-2021
- **CONSORTIUM:** GNF, Tehnopol Tallinn, Turku Science Park.
- **FUNDING:** EU INTERREG Central Baltic, Finnish National Public Funding
- **PROJECT OBJECTIVE:** ASIA-CLEAN boosts new exports of cleantech and environmental technology products and services from Finland and Estonia to Asia, particularly to China and Malaysia.
- **GNFs' ROLE:** Lead Partner and responsible for creating pool of companies

Finnish ERDF projects (coordinated by GNF)



HYPPY **Reutilization of parts and materials of buildings**



Uudenmaan liitto
Nylands förbund

Vipuvoimaa
EU:lta
2014–2020



City of Helsinki



- Reuse Centre 2.0



Uudenmaan liitto
Nylands förbund

Vipuvoimaa
EU:lta
2014–2020



City of Helsinki



Kiitos!

Evilina Lutfi

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