



# Greensettle

GREEN CITIES AND SETTLEMENTS

## Project presentation

Eva Pongrácz

University of Oulu, NorTech Oulu



# Objectives of the project

- To encourage the development of green cities and settlements in remote border areas
- To contribute to the long-term spatial development of the area
- Proposing a balanced progress of economical and social requirements



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Starting hypothesis

- “In 2050 everyone has access to adequate education, food, clothing, housing, healthcare, energy, clean water and sanitation.”
- UNEP: **Green economy**: improved human wellbeing and social equity while significantly reducing environmental risk and ecological scarcities
  - It is low carbon, resource efficient and socially inclusive



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Partners

- Lead partner: University of Oulu, Thule Institute, NorTech Oulu
- Partners:
  - Russian Academy of Sciences, Karelia Research Centre
  - Karelia Regional Institute of Management Economics and Law, PetrSU
  - Karelia Energy Efficiency Center
  - University of Oulu, Adult Education Center (AIKOPA)
  - Administration of Kostomuksha county
  - Council of Oulu region
  - Joint Authority of Kainuu Region
- Project associates
  - Kalevalskiy municipal district
  - North Karelia Center for Economic Development Transport and Environment
  - Regional council of North Karelia
  - Center for Problems of North Arctic and Cross-border Collaboration
  - Republic of Karelia State Committee for Development of Local Government
  - Rep. Karelia State Committee Reforming of Housing and Communal Services



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Main project activities

- WPI – Spatial planning of remote regions
- WP2 – Urban and rural resource management
- WP3 – Roadmap for a sustainable spatial development
- WP4 – Cross-border networking
- WP5 – Dissemination



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# WP I: Spatial planning of remote regions

## ○ Activities:

- Defining the framework of eco-municipalities
- Review of the Finnish experience in the spatial planning of remote semi-rural regions
- Assessment of spatial development potential in pilot territories
- Utilities network analysis
- Best practices in city planning utilizing environmental technologies

## ○ Outputs:

- Generation of new approaches for the utilization of spatial potential in the pilot territories
- Assessment of the feasibility of using elements of local historical and cultural heritage for the development of the target territories



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





## WP 2: Urban and rural resource management

### ○ **Activities:**

- Assessment and estimation of resource potential in the pilot territories
- Strategic waste and resource management planning
- Identifying environmentally friendly technologies using local resources
- Recommendation in natural resource management

### ○ **Outputs:**

- Assessment of the potential of pilot territories and economic estimation of the development of local public facilities using environmental best practice technologies, based on utilization of local resources
- Description of strategic solutions for integrated waste and resource management



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





## WP 3: Roadmap for a sustainable spatial development

### ○ **Activities:**

- Integration of assessment reports and organizing database entries
- Sustainable spatial development scenario and backcasting
- Assessment of the socio-ecological impact of development projects
- Selection of demonstration targets and implementation of development projects

### ○ **Outcomes:**

- Preparation of a set of recommendations on raising the efficiency of economic use of the pilot territories, preparation of development projects
- Assessment of the socio-economical impacts of the planned demonstration projects



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Communication and Dissemination

- WP 4: Cross-border networking
  - Defining roles in the think tank
  - Engaging stakeholders
  - Communication with beneficiaries
  - Thematic seminars
- WP 5: Dissemination
  - Building knowledge bank
  - Homepages
    - In English: <http://nortech oulu.fi/GREENSETTLE/>
    - In Russian: <http://greensettle.krc.karelia.ru/>
  - Writing and distributing teaching materials
  - Public seminars



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Summary

- Green settlements
  - Provide a pleasant living environment
  - Protect natural resources and the natural heritage
  - Utilize the cultural heritage as a factor for development
- The outcome of the project
  - Promote competitive capacity and the living standard in remote border areas
  - Utilizing cross-border best practice approaches to spatial planning
  - Efficient utilization of local potential and environment friendly technologies.
  - Promoting economic and social requirements to be met at remote border areas in harmony with its ecological and cultural functions
  - Contributing to a long-term balanced spatial development.



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland





# Acknowledgements

- Financial support from the Karelia ENPI CBC programme
- All the partners and project workers



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland



Centre of Northern Environmental Technology P.O. Box 7300 Thule Institute FI-90014 University of Oulu, Finland [nortech@oulu.fi](mailto:nortech@oulu.fi)

# Cityscapes

## GREENSETTLE SEMINAR

- 9.20–10.00    Keynote: **Cityscape** - Professor Helka-Liisa Hentilä, University of Oulu, Dept. of Architecture
- 10.00–10.50    **City planning in Joensuu** - Head of city planning Juha-Pekka Vartiainen, City of Joensuu
- 10.50–11.30    **Resource efficiency in an urban context** - Eva Pongrácz, University of Oulu
- 11.30–12.30    *Lunch*
- 12.30–13.10    **Ecocity evaluator:** Senior consultant Topi Tiihonen, Eero Paloheimo Ecocity Ltd.
- 13.10–13.50    Greensettle research presentation: **Defining the framework of eco-municipalities:**  
Eva Pongrácz, University of Oulu
- 13.50–14.15    *Coffee*
- 14.15–16.00    *Walking tour around the city of Joensuu*



This project is co-funded by the European Union,  
the Russian Federation and the Republic of Finland



Centre of Northern Environmental Technology P.O. Box 7300 Thule Institute FI-90014 University of Oulu, Finland [nortech@oulu.fi](mailto:nortech@oulu.fi)