



Published on *Intelligent Energy Europe* (<https://ec.europa.eu/energy/intelligent/projects>)

Five European RES-Heat Pilots

5 EURES

The project target is to develop functional bioenergy market for each area. The market shall preferably include several fuel suppliers and several heat producers. The means to achieve this target are training, feasibility studies and business development assistance. - The first phase was to train the basics to some key persons from each area in order to be able to discuss all relevant matters with common terms and with common understanding. - Next phase was general feasibility study for the areas. In the study the bioenergy potential is identified as well as existing and potential actors in the market. The study result is few identified project sites in each area for more detailed study. - The work will continue by detailed case studies, training and assistance of identified actors at each area and identification of possible business opportunities and preparation of business plans together with local actors.



Results

- Main target is five functioning renewable heat markets
- General understanding of the feasibility of renewable heat on each area
- Identification of concrete projects, fuel suppliers, heat customers and development of full supply chains
- Each area has enough trained persons to develop further the renewable heat operations after the project
- Pilot areas serve as examples for other regions in EU, results are disseminated during and after the project

Lesson learned

- Feasibility studies completed show that the bioenergy market is possible in all areas.
- The public awareness and general interest among municipalities have already risen and different initiatives were born.
- Expert support made possible by the project will help to develop these initiatives correctly. Last updated: 24.06.2010

Partners and coordinator

Jyväskylä Innovation Oy [1]	Finland
Finpro Oy [2]	Finland
Jyväskylä Polytechnic Ltd [3]	Finland
Jyväskylän Teknologikeskus Oy [4]	Finland

Metsäntutkimuslaitos [5]	Finland
Pohjois-Karjalan Ammattikorkeakoulu [6]	Finland
VTT Technical Research Centre of Finland [7]	Finland
CEBra - Centre for Energy Technology Brandenburg GmbH [8]	Germany
University of Applied Science Eberswalde [9]	Germany
Forest Owners Association of Lithuania [10]	Lithuania
Instituto Superior Técnico [11]	Portugal
IrRADIARE, Investigação e Desenvolvimento em Engenharia e Ambiente, Lda [12]	Portugal
Dirección General de Medi Natural [13]	Spain
Bionovus [14]	Lithuania

Contact

Jyväskylän Innovation Oy
Finland

Contact point

Name: Ms Tytti Laitinen

E-mail: tytti.laitinen@jklinnovation.fi

Name: Kirsi Knuuttila

E-mail: kirsi.knuuttila@jklinnovation.fi

Tel: + 358 40 5771815

Name: Markku Paananen


E-mail: markku.paananen@jklinnovation.fi












Tel: 00358 144451123

Budget

Overall budget: 2.044.150,00 € (EU contribution: 50,00 %)

Key documents

- [Summary Slides](#) [15]
PPT 68 KB 
- [Biofuels in Finland](#) [16]
PDF 2.86 MB 

- [Energy Wood from Early Thinnings](#) [17]
PDF 598.01 KB 
- [Energy Wood Harvesting](#) [18]
PDF 568.63 KB 
- [Energy Wood Transportation by Train](#) [19]
PDF 2.01 MB 
- [Feasibility studies for Marvão and Abrantes](#) [20]
PDF 844.07 KB 
- [Feasibility Study - Alp](#) [21]
PDF 4.2 MB 
- [Feasibility Study - Catalonia](#) [22]
PDF 5 MB 
- [Feasibility Study - Koli](#) [23]
PDF 596.92 KB 
- [Feasibility Study - Lles de Cerdanya](#) [24]
PDF 4.42 MB 
- [Feasibility Study - North Karelia](#) [25]
PDF 1.98 MB 
- [Forest Biomass Energy Use in Portugal](#) [26]
PDF 742.16 KB 
- [Import of Russian Energy Wood](#) [27]
PDF 598.55 KB 

In brief

Sector: Heating and Cooling

Duration: 01/01/2005 to 31/12/2007

Contract number: EIALT/EIE/04/086/2004

Source URL: <https://ec.europa.eu/energy/intelligent/projects/en/projects/5-eures>

Links

- [1] <https://ec.europa.eu/energy/intelligent/projects/en/partners/jyvaskyla-innovation-oy>
- [2] <https://ec.europa.eu/energy/intelligent/projects/en/partners/finpro-oy>
- [3] <https://ec.europa.eu/energy/intelligent/projects/en/partners/jyvaskyla-polytechnic-ltd>
- [4] <https://ec.europa.eu/energy/intelligent/projects/en/partners/jyvaskylan-teknologiakeskus-oy>
- [5] <https://ec.europa.eu/energy/intelligent/projects/en/partners/metsantutkimuslaitos>
- [6] <https://ec.europa.eu/energy/intelligent/projects/en/partners/pohjois-karjalan-ammattikorkeakoulu>
- [7] <https://ec.europa.eu/energy/intelligent/projects/en/partners/vtt-technical-research-centre-finland>
- [8] <https://ec.europa.eu/energy/intelligent/projects/en/partners/cebra-centre-energy-technology-brandenburg-gmbh>
- [9] <https://ec.europa.eu/energy/intelligent/projects/en/partners/university-applied-science-eberswalde>
- [10] <https://ec.europa.eu/energy/intelligent/projects/en/partners/forest-owners-association-lithuania>
- [11] <https://ec.europa.eu/energy/intelligent/projects/en/partners/instituto-superior-tecnico>
- [12] <https://ec.europa.eu/energy/intelligent/projects/en/partners/irradiare-investigacao-e-desenvolvimento-em-engenharia-e-ambiente-lda>

[13] <https://ec.europa.eu/energy/intelligent/projects/en/partners/direccion-general-de-medi-natural>

[14] <https://ec.europa.eu/energy/intelligent/projects/en/partners/bionovus>

[15]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_summary_slides.ppt

[16]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_biofuels_in_finland.pdf

[17]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_energy_wood_from_early_thinnings.pdf

[18]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_energy_wood_harvesting.pdf

[19]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_energy_wood_transportation_by_train.pdf

[20]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_studies_for_marvao_and_abrantes.pdf

[21]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_study_alp.pdf

[22]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_study_catalonia.pdf

[23]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_study_koli.pdf

[24]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_study_lles_de_cerdanya.pdf

[25]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_feasibility_study_north_karelia.pdf

[26]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_forest_biomass_energy_use_in_portugal.pdf

[27]
https://ec.europa.eu/energy/intelligent/projects/sites/iee-projects/files/projects/documents/5_eures_import_of_russian_energy_wood.pdf