



Renewable district heating and cooling

Workshop and site visits

This is the final event of the EU-financed project “SmartReFlex”, presenting and discussing the key findings and experiences on increasing the diffusion of smart and flexible district heating and cooling (DHC) systems, based on high shares of renewable energy sources (RES), in European cities.

Focus is on further steps towards implementation, including financial support, as well as replication to other regions. See the next page for further description of the objectives of SmartReFlex.

Debates throughout the workshop will facilitate fruitful exchange of experience.

Date:	24 th November 2016	
Venue:	Fjernvarmens Hus, Merkurvej 7, 6000 Kolding, Denmark	
Time:	9-15: workshop, 15-19: site visits, 19-22: dinner	
Hotel:	Scandic Hotel Kolding, Kokholm 2, 6000 Kolding, Denmark	
Airports:	Copenhagen or Billund	
Sign up:	Kasper Jessen, kaj@danskfjernvarme.dk	
Workshop Program:	Introduction to SmartReFlex	Riccardo Battisti, Ambiente Italia Morten Hofmeister, PlanEnergi
	Strategic Energy Planning	Louise Langbak Hansen, Central Denmark Region
	- Danish experience	
	- Experiences from the SmartReFlex regions	Presentations from regions in Ireland, Italy, Germany and Spain.
	- Debate on Planning and Framework, processes and actors	
	Financing – pre-investment support; business plans, tendering procedures	[tbc], EIB (European Investment Bank), ELENA (European Local ENergy Assistance)
	Financing – equipment	Anders Thorsen, EKF, Denmark’s Export Credit Agency
	Project cases – key learning points Replication possibilities	Regional partners: Selected cases
Smart heat meters, utilization of data	Steen Schelle Jensen, Kamstrup	
Conclusions	Riccardo Battisti, Ambiente Italia Morten Hofmeister, PlanEnergi	
Experiences, synergies and tools in other ongoing EU-financed projects		
Site visits Danish DH-plants	Kasper Jessen, DDHA	
Site visits:	<p style="text-align: center;">Vejen DH</p>  <p>Consumer-owned, established in 1960. Straw boiler, wood chips boiler, surplus heat, heat pumps, gas and oil boilers.</p>	<p style="text-align: center;">Hejnsvig DH</p>  <p>Consumer-owned, established in 1992. Solar thermal, wood pellet boiler, natural gas engine, natural gas boiler.</p>

Partners & Contact

Project Coordinator

AMBIENTEITALIA Ambiente Italia (Italy)
www.ambienteitalia.it

Project Partners

AGFW AGFW | Energy efficiency association for heating, cooling and CHP (Germany)
www.agfw.de

AIRU AIRU, Italian district heating association (Italy)
www.airu.it

ANCI ANCI Emilia-Romagna (Italy)
www.anci.it

DANSK FJERNVARME Dansk Fjernvarme (Denmark)
www.danskfjernvarme.dk

HAMBURG INSTITUT Hamburg Institute (Germany)
www.hamburginstitut.de

INGASOL INCASOL, Institut Català del Sol (Spain)
www.ingasol.es

IREC IREC, Catalanian Institute for Energy Research (Spain)
www.irec.cat

Kerry Council Kerry Council (Ireland)
www.kerry.ie

Ministry of Energy, Agriculture, Environment and Rural Area of Schleswig-Holstein (Germany)
www.schleswig-holstein.de

PlanEnergi PlanEnergi (Denmark)
www.planenergi.dk

solites Steinbels Research Institute Solites (Germany)
www.solites.de

Tipperary Energy Agency (Ireland)
www.tipperaryenergy.ie

XD Consulting XD Sustainable Energy Consulting (Ireland)
www.xdconsulting.ie

6 regions in 4 countries (DE, IE, IT, ES) will implement legislative and organisational measures for promoting high-RES DHC, also benefitting from the know-how transfer by Denmark. These measures include:

- improvement in regional legislation, supporting the implementation of high-RES DHC;
- integration of high-RES DHC in heat planning at regional and local level;
- creation of cooperatively-owned companies for managing high-RES DHC systems;
- study, planning and supporting of new high-RES DHC projects at local level.

In order to assure a correct implementation:

- a regional task force on high-RES DHC will be set up in each participating region;
- an ambitious capacity building activity will be carried out, aiming at involving the key stakeholders in the regions and also at national level: technical staff and city planners from Municipalities, other regional and local authorities in the country, technical and managing staff from DHC utilities, DHC industry, technical designers, cooperative unions, consumer protection associations and the financial sector.

The targeted project results are:

- improved policies at regional and local level for the promotion of RES DHC
- regional task forces with 60 stakeholders actively involved
- high level training seminars
- new systems using high shares of renewable energy sources for district heating and cooling
- replication cases of the SmartReFlex model beyond the project boundaries