

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.

The program is open for contributions from the regions. A more detailed program will be elaborated.

Debates throughout the workshop will facilitate fruitful exchange of experience.

Date:	24 th November 2016 (workshop and two site visits) and 25 th November (two site visits)	
Thursday 24 th :	9-15: workshop, 15-19: site visits, 19-22: dinner	
Friday 25 th :	8-14: site visits (parallel to SmartReFlex project meeting)	
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 & perspectives, incl. experiences, synergies and tools in other ongoing EU-financed projects	Riccardo Battisti, Ambiente Italia Morten Hofmeister, PlanEnergi	
Site visits Danish DH-plants	Kasper Jessen, DDHA	
Site visits: (Thursday)	<ul style="list-style-type: none"> • Vejen district heating plant. Consumer-owned, established in 1960. Straw boiler, wood chips boiler, surplus heat, heat pumps, gas and oil boilers. • Hejnsvig district heating plant. Consumer-owned, established in 1992. Solar thermal, wood pellet boiler, natural gas engine, natural gas boiler. 	
Site visits: (Friday)	<p>Subject to sufficient number of participants.</p> <ul style="list-style-type: none"> • District heating plant with solar thermal and seasonal heat storage (pit thermal energy storage) • District heating plant with solar thermal and heat pump. 	

Practical information

Airports:	Billund is the nearest airport. 1:20 by bus to Kolding. Copenhagen is approximately 2 hours by train
Hotel:	Book your room at Scandic Hotel Kolding stating "SmartReFlex" to get discount Single room 115 €, double room 140 €.
Venue:	Fjernvarmens Hus, Merkurvej 7, 6000 Kolding, Denmark
Sign up:	Kasper Jessen, kaj@danskfjernvarme.dk
Fee:	Free of charge
Date:	Registration before 10 November. Limited number of participants, SmartReFlex partners and associated/regional actors have priority

SmartReFlex in brief:

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

Contributors to SmartReFlex

Companies from the Danish district heating industry have contributed with their knowledge in the capacity building activities. Thank you to:



Registration: scan and send to kaj@danskfjernvarme.dk or send the information by e-mail.

Name:				E-mail:			
Company/organisation:							
Thursday:	Workshop 9-15	<input type="checkbox"/>	Site visits 15-19	<input type="checkbox"/>	Dinner 19-22	<input type="checkbox"/>	
Friday:	Site visits 8-15	<input type="checkbox"/>					