Fifth generation, low temperature, high exergy district heating and cooling networks

1st FLEXYNETS Webinar

"Cold water district heating and cooling systems as flexible exergy exchange systems – a promising concept for the future?"

10th May 2017, 10:00 – 12:00

FLEXYNETS is a H2020 European Project with a runtime from July 2015 to June 2018. Traditionally, district heating and cooling (DHC) networks distribute energy from a centralized generation plant to a number of remote customers. As such, actual DHC systems are affected by significant heat losses and unexplored integration potential of different available energy sources into the network. FLEXYNETS develops, demonstrates and deploys a new generation of intelligent DHC networks that reduces energy transportation losses by working at "neutral" temperature levels (e.g. 15-20°C). Reversible heat pumps are used to exchange heat with the DHC network on the demand side, providing the necessary cooling and heating to the buildings.

Within FLEXYNETS, workshops and webinars are organized to get in contact with experts in the field like engineers, energy managers and installers, as well as with public authorities, utility companies and energy service companies.

The objective of the 1st FLEXYNETS Webinar is to introduce and to discuss the concepts and developments of the project with the experts participating. Two H2020 partner Projects - H-Disnet and STORM – will join and talk about the technologies under development in their cold DHC network concepts.

The platform used is going to be *GotoMeeting*, and after the registration, you will receive the invitation to the Webinar. We hope you are able to join us and we encourage you to take an active part in this webinar by asking questions.

Please register here

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Agenda

- FLEXYNETS introduction and project overview	Roberto Fedrizzi (EURAC)
- FLEXYNETS – cold DHC networks integration in the built environment	Daniel Trier (PlanEnergi)
- H-Disnet - a thermo-chemical technology for loss free heat transportation and storage	Philipp Geyer (ZHAW)
- FLEXYNETS CONTROL – the intelligent interaction of distributed energy sources and sinks	Dirk Pietruschka (Enisyst)
- STORM – a Smart District Heating & Cooling Networks Controller	Johan Desmedt (VITO)
- FLEXYNETS TRADING – economic analysis in cold water district heating networks	Roberto Fedrizzi (EURAC)
- Final questions and conclusions	Roberto Fedrizzi

Please register here