

H2020 STORM Project Team  
Together with



Universidade do Minho

Invite You to the  
Smart Thermal Grid - Workshop



**STORM**  
DISTRICT ENERGY CONTROLLER

An innovative  
DHC networks' **controller**  
for enhanced **district energy efficiency**

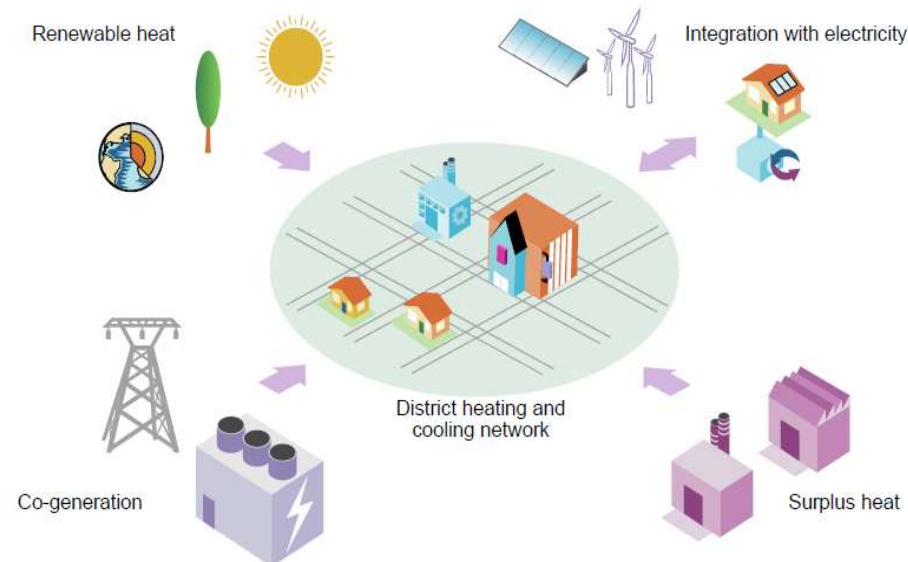
## The context: 4<sup>th</sup> generation DHC

Decarbonizing our energy system by making it more efficient & integrating more renewables

### 4th generation DHC vs. 3<sup>rd</sup> generation

- Uncontrollable production sources with fluctuating input

→ Need for flexible solutions



## Workshop in Guimarães, Portugal

### Invitation to the workshop - Smart Thermal grids

*We are pleased to invite you to participate at the workshop –Smart Thermal grids.*

- This workshop is made possible on invitation of our respected host Universidade do Minho and as part of the STORM project dissemination program in which Zuyd Hogeschool participate (<https://storm-dhc.eu>)
- Aim of this workshop is to give insight on innovative techniques that can be accomplished by making thermal grids "smart".
- Date: 4<sup>th</sup> July 2018, from 14:30 till 17:00 (see program)
- The Workshop is held at Room 2-0.24 (B1.12), University of Minho, Azúrem Campus, Guimarães.

## Workshop Program

- At the end of the workshop you will have insight on innovative techniques that can be accomplished by making thermal grids "smart".
- Between each presentations questions and answers interaction time with the public is planned.
- After the workshop you are invited to join us for a business Lunch.

### PROGRAM

14:30	Getting together and welcome
14:45	Start Workshop
	Introduction heat networks 1st to 4th generation
15:10	Q/A time
15:20	Intelligent application of algorithms in energy networks
15:40	Q/A time
15:50	Performance indicators
16:10	Q/A time
16:20	Mijnwater DHC case
16:40	Q/A time
16:50	Conclusions
17:00	End of Workshop

## The Project STORM

**STORM** = 'Self-organising Thermal Operational Resource Management'

- Aim: Develop & demonstrate a generic intelligent DHC network controller based on self-learning optimization techniques
- Start date: 1<sup>st</sup> of March 2015, 42 months



Storm team want to thank our respected host, University of Minho that has made this workshop possible.



Os mais sinceros agradecimentos à equipa da UMinho!

Universidade do Minho