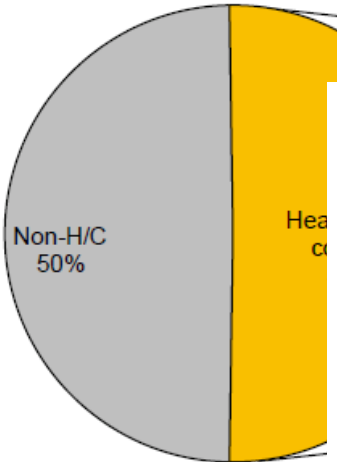


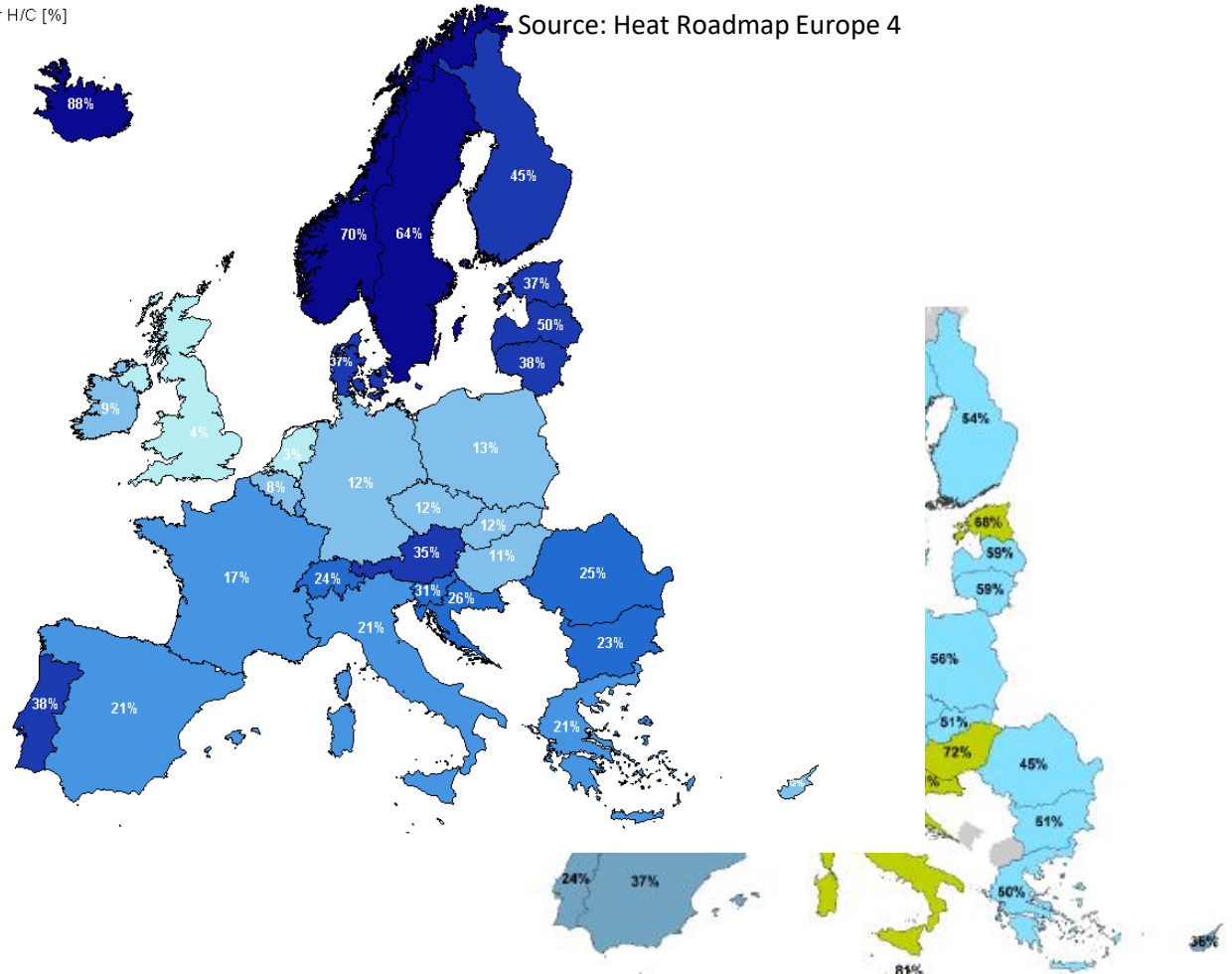
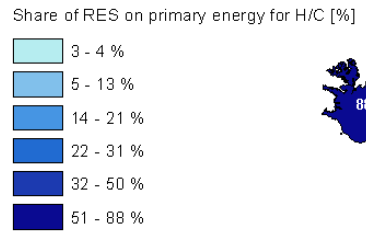
Renewables in District Heating and Cooling - An overview, market developments and an outlook to the future

Ingo Wagner
Policy Manager, DHC+ Technology Platform
Eufores IPM, Vienna, 20 October 2018

Current H&C demand and RES shares



Source: Heat Roadmap



Source: Heat Roadmap Europe 4

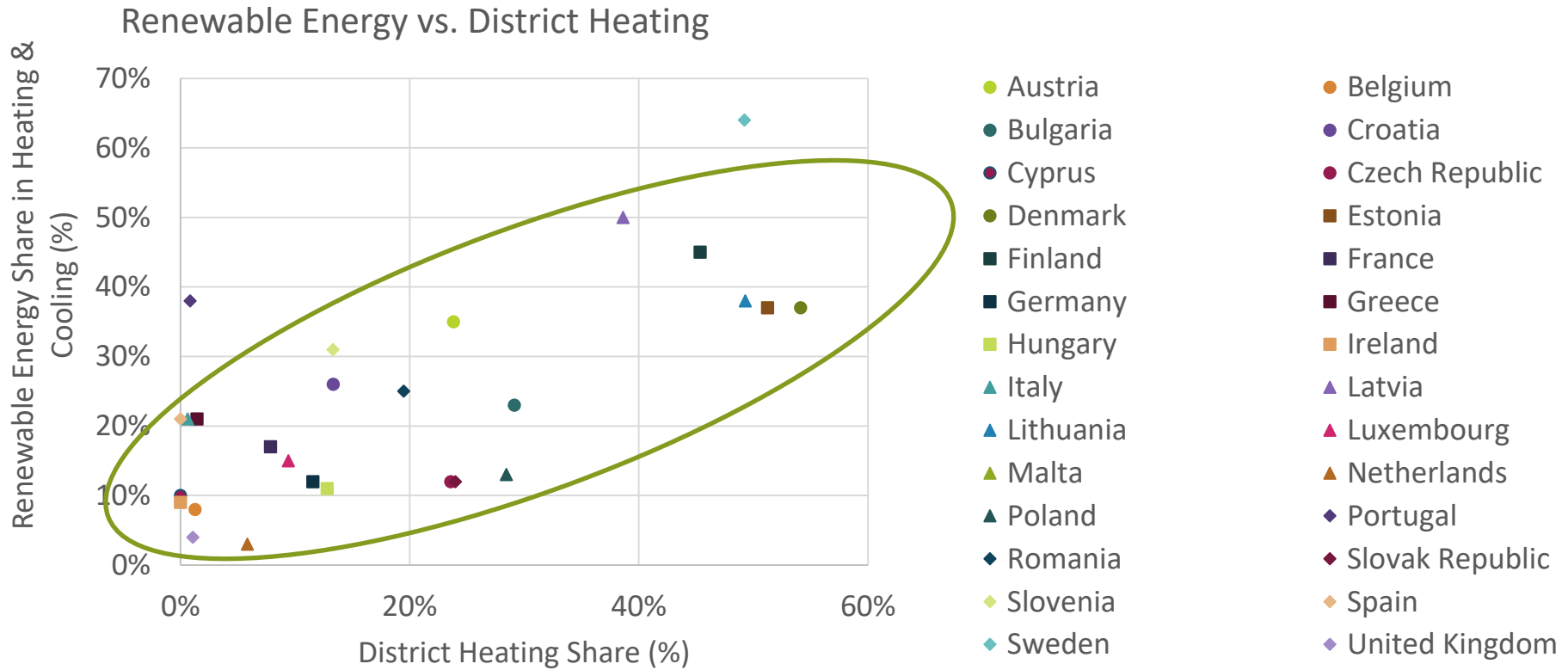
Source: Heat Roadmap Europe 4

Credits: Ingo Wagner

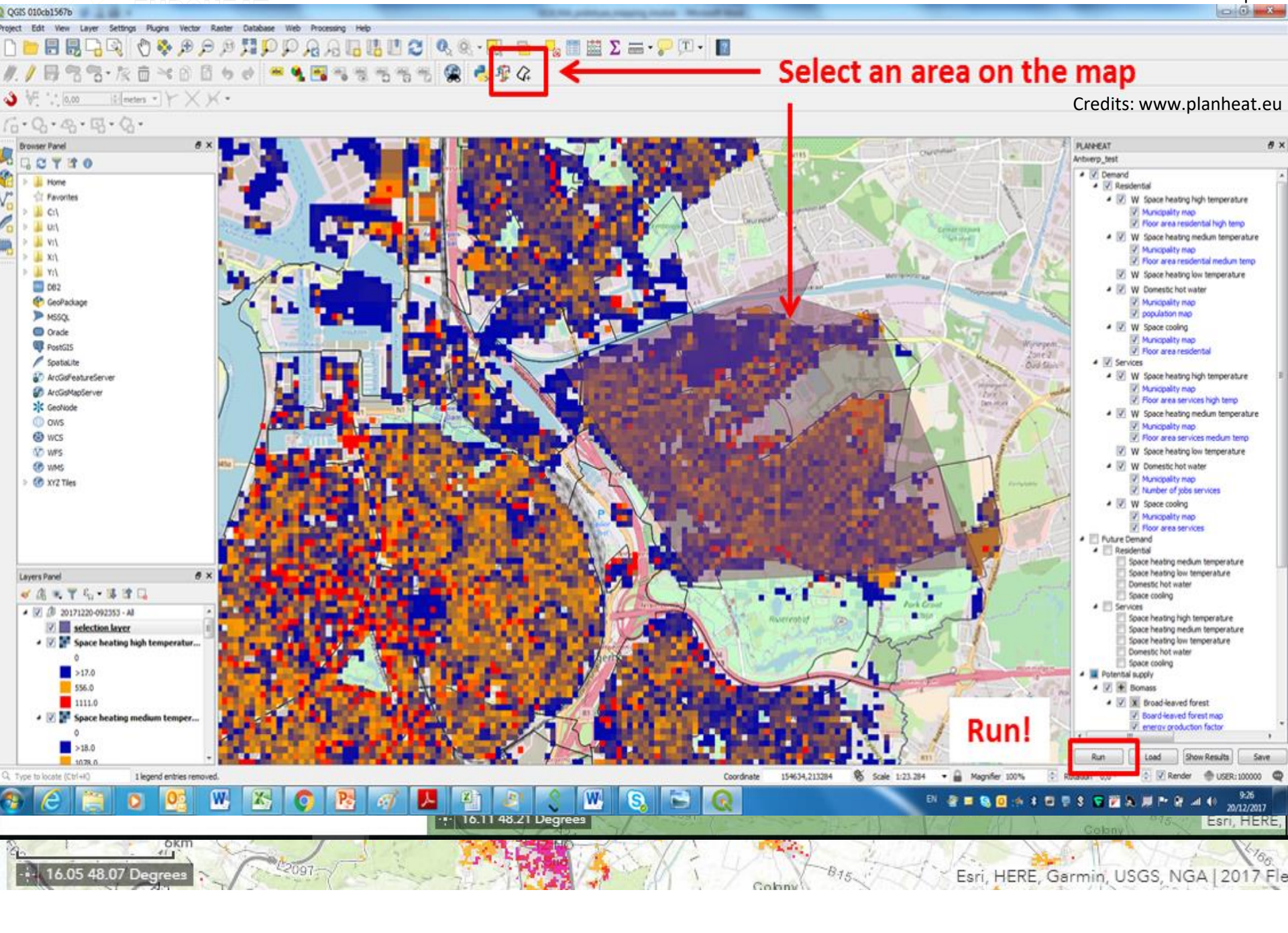


Credits: Ingo Wagner

RES & DHC penetration: A correlation?



Source: Heat Roadmap Europe 4



Select an area on the map

Credits: www.planheat.eu

Run!

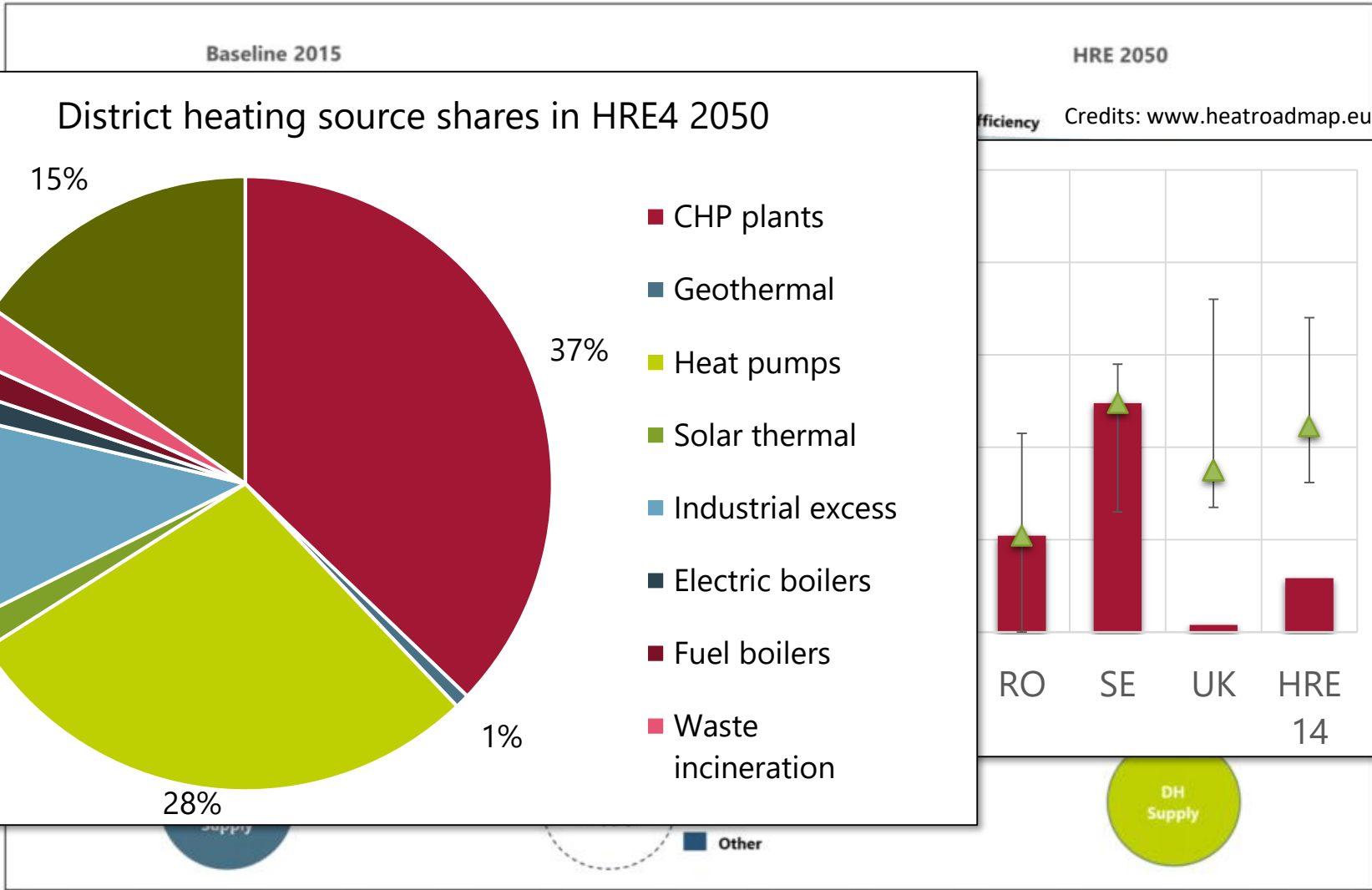
Run

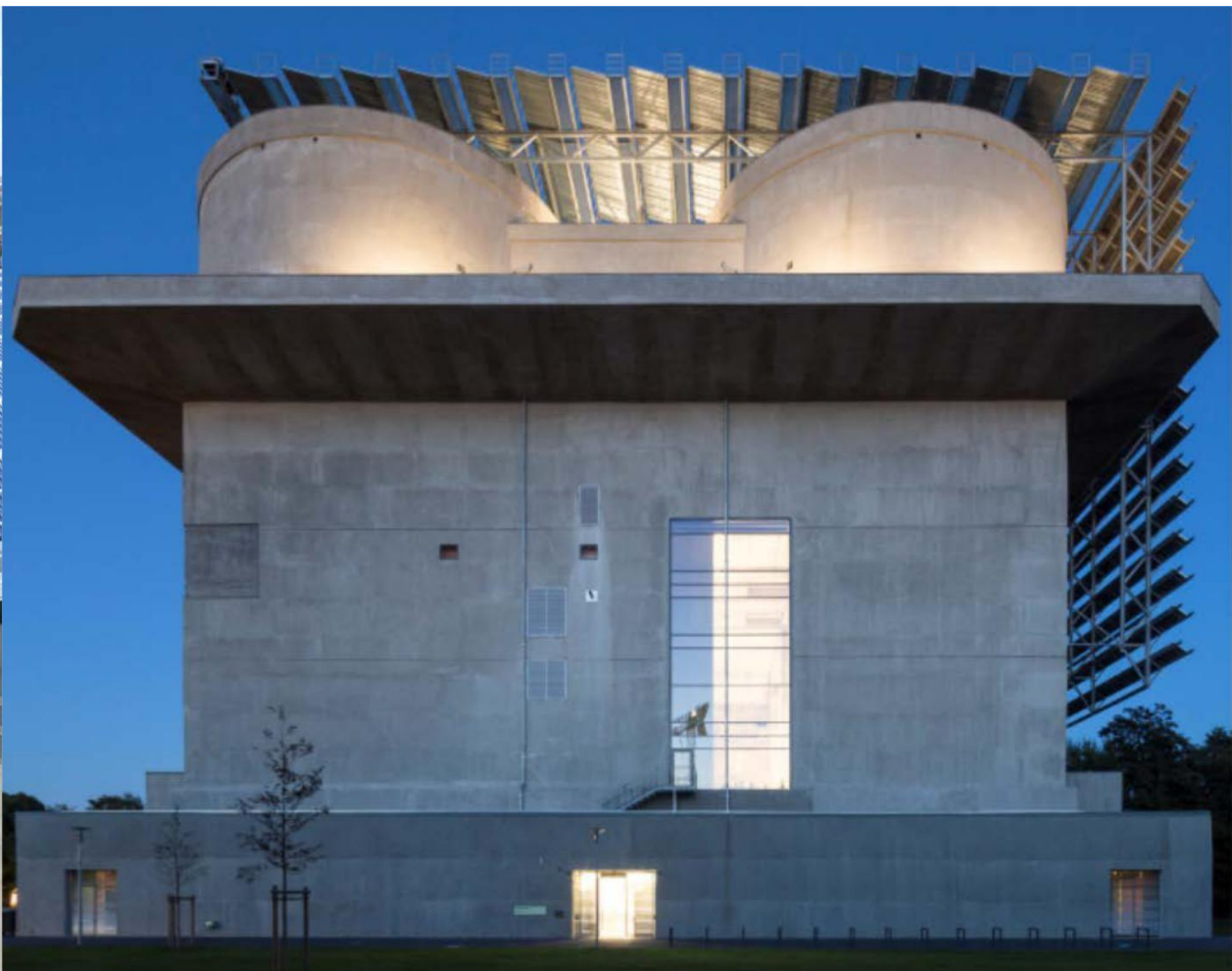
16.05 48.07 Degrees

16.11 48.21 Degrees





Esri, HERE, Garmin, USGS, NGA | 2017 Fle

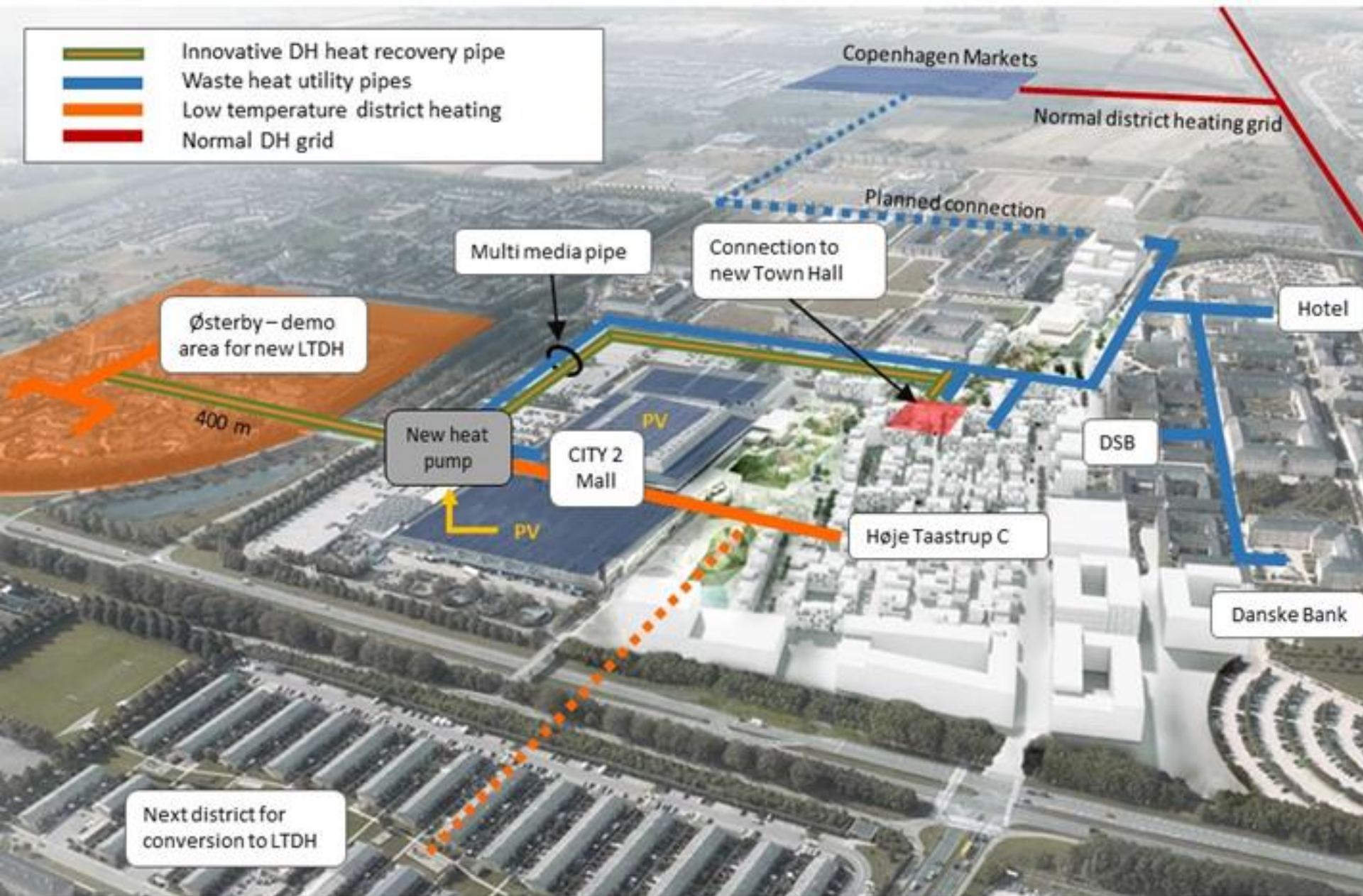
The future of RES in DHC





Credits: www.solar-district-heating.eu

-  Innovative DH heat recovery pipe
-  Waste heat utility pipes
-  Low temperature district heating
-  Normal DH grid





de Aurubis an eCGN



Aurubis Wärmeleitung

CELSIUS 2.0 Tangibles



Cities



Wiki



Policies



Demos



Experts





In case of
questions:
Ingo Wagner
iw@euroheat.org