



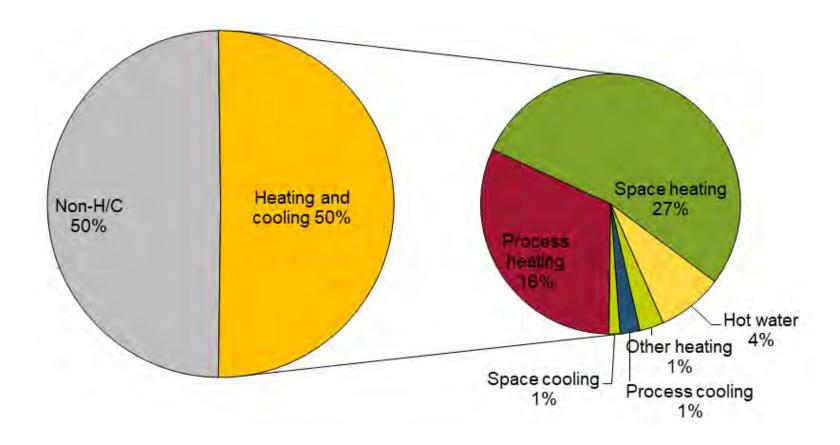


Lukas Kranzl Final Conference, 30 June 2020



#### Heating and Cooling: Need for transformation

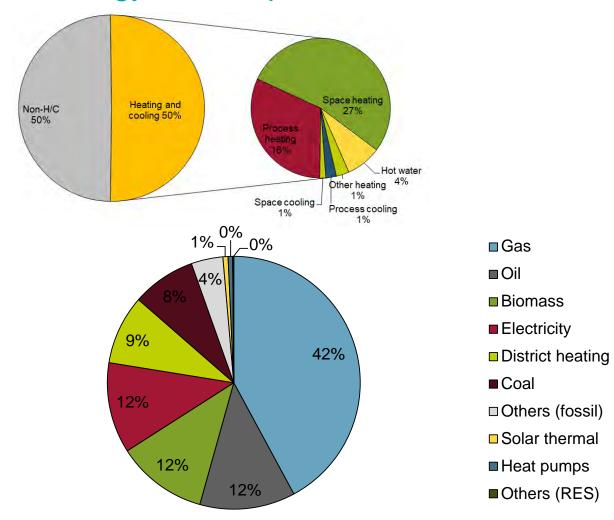
#### Final energy consumption, EU-28, 2015





#### Heating and Cooling: Need for transformation

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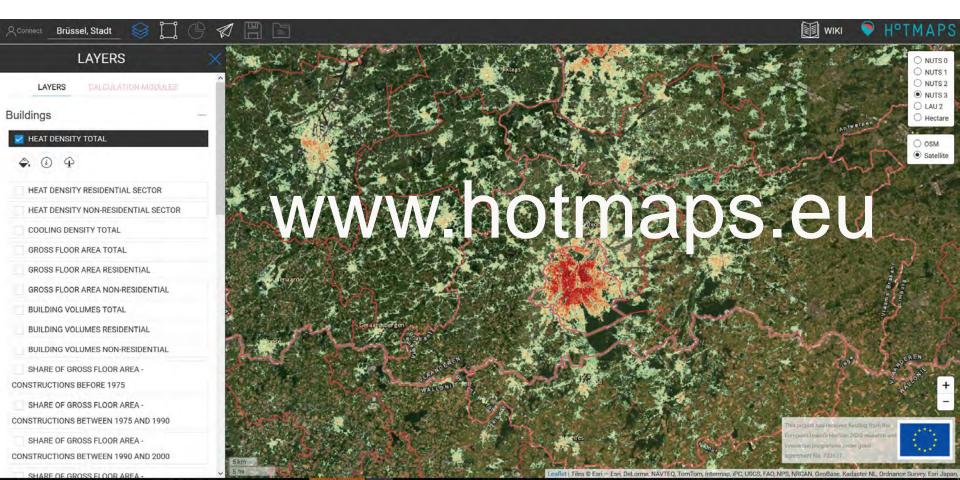
### Challenges of local heat planning

- How high is heating and cooling demand in different areas?
- Where are potential and most economic areas for district heating and cooling?
- How high are potentials of building renovation, renewable heating and industrial excess heat?
- What are favourable pathways of decarbonizing the heating sector?



#### **Hotmaps toolbox**

# Designed to address challenges of strategic heating and cooling planning





#### Hotmaps offers ...

- Starting data set
- Calculation modules for assessing the potential of renewable heating and comparing future scenarios
- Opportunity to upload and use own data sets for your calculations,
- Training and support services
- Customisation of the software for your specific needs



## \* Hotmaps' value added for ...

- City planners: support for stakeholders engagement, allowing to speed up the process; data-driven decision making tool; support to develop SECAP thanks to forecasting modules
- Consultants: open access to data and source codes that you can potentially use for your own tools; calculation modules to perform studies for your clients, possibility to work abroad easily as if offers data for EU 28
- Utilities: identify potential areas of interest for projects; easily perform pre-planning studies to be sent to potential customers, share common data with your stakeholders
- Researchers: data and methodologies to produce knowledge, development platform for further projects



#### The experts behind the project

#### Scientific partners



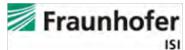


















#### Pilot areas for developing and testing the tool

















Funded by the Horizon 2020 programme of the European Union

Project duration: October 2016-September 2020



#### Hotmaps: the key role of pilot areas

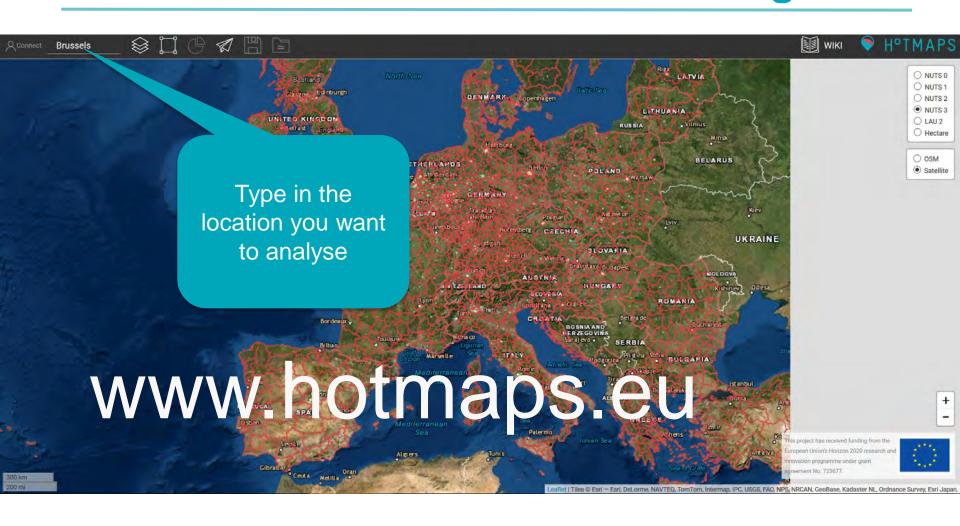




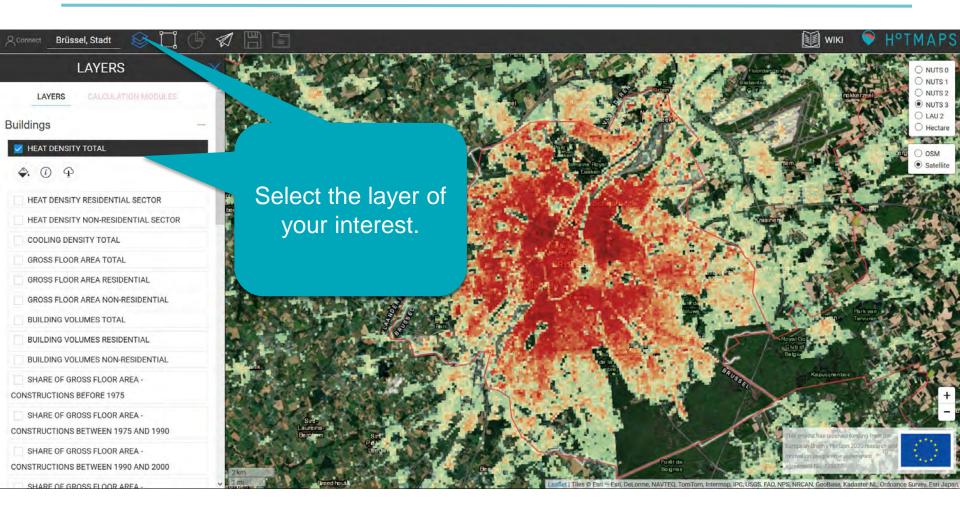
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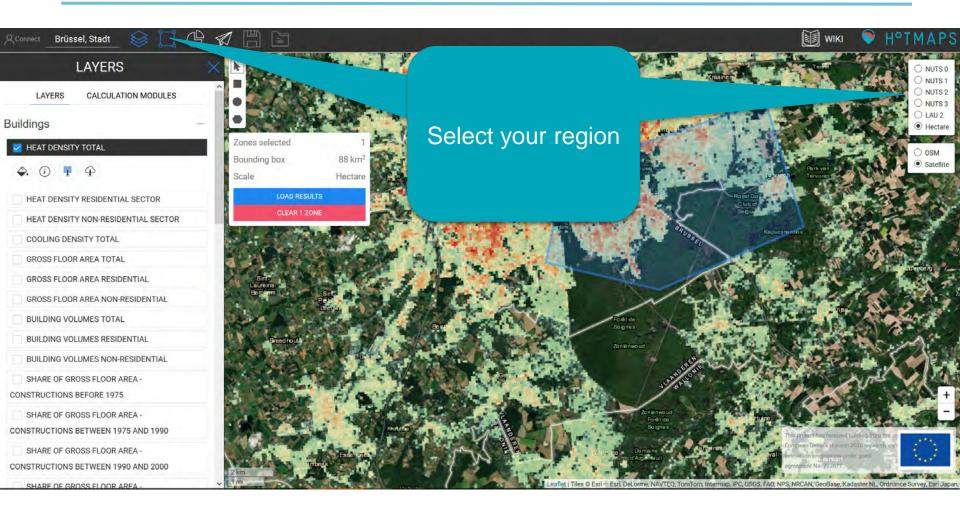




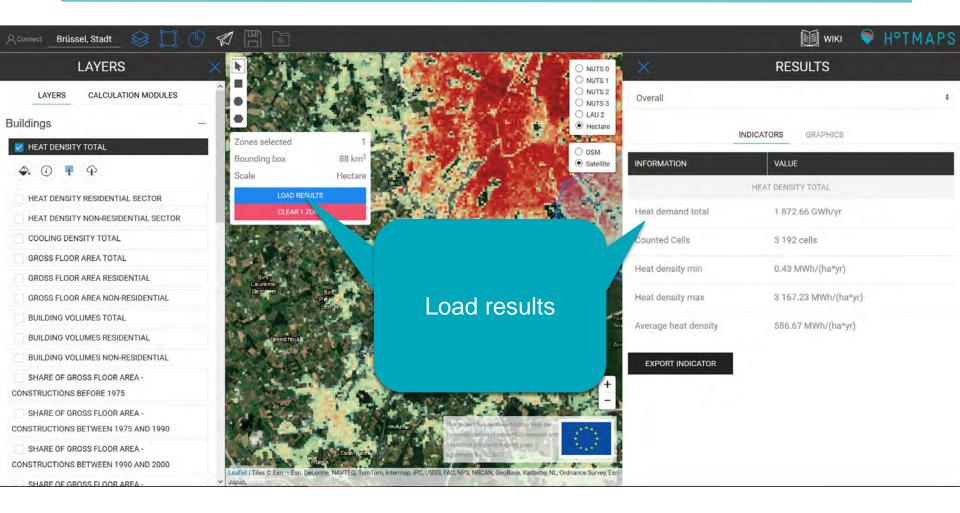






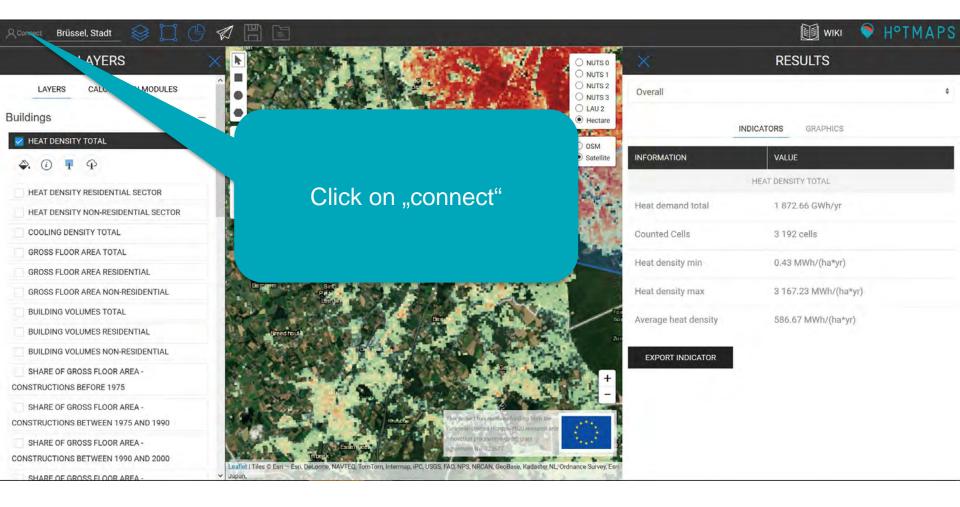






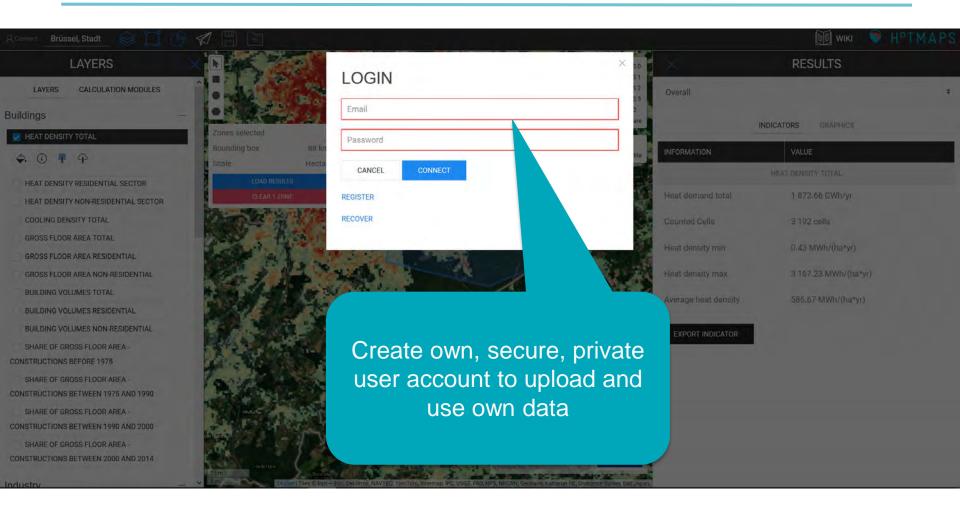


### Use your own data



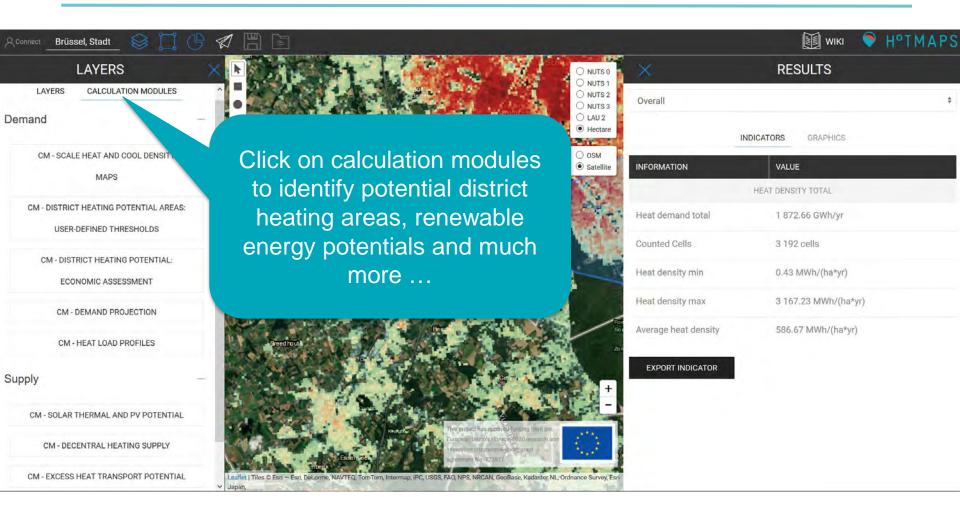


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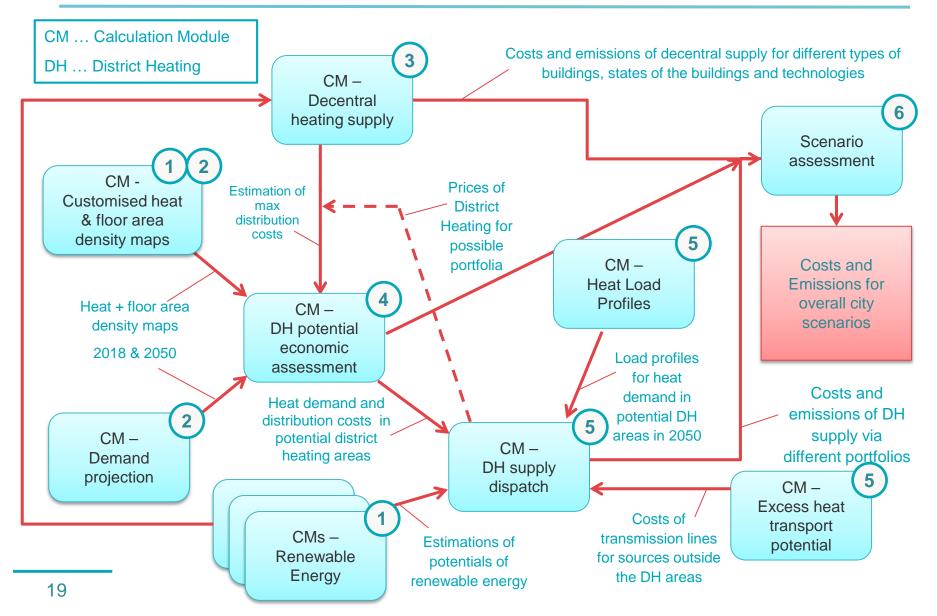


#### Explore much more ...



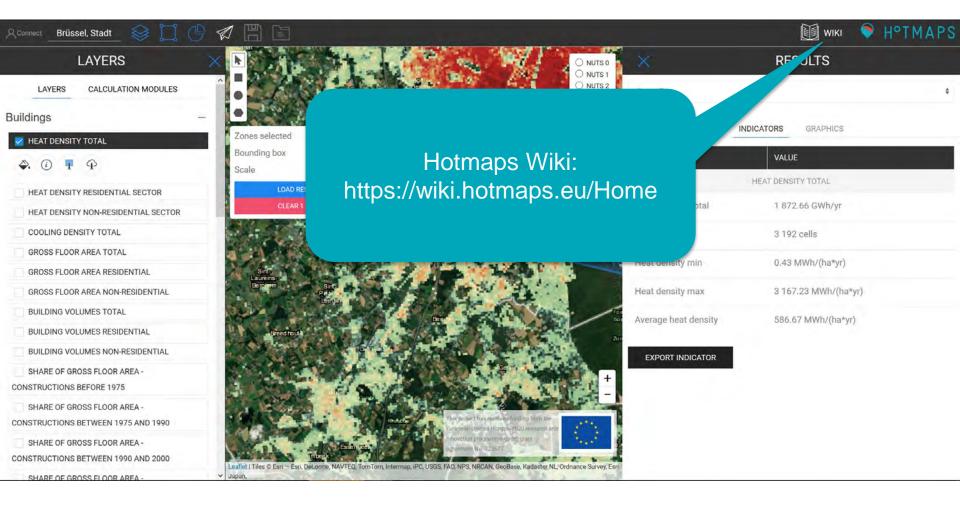


### **Scenario Toolchain Hotmaps**





### Need help? Hotmaps Wiki!





#### What Hotmaps trainees like most ...

#### What do you like the most in the toolbox?

