



[HOME](#) [NEWS](#) [IMPACT](#) [EVENTS▼](#) [CALL FOR ABSTRACTS](#) [PUBLICATIONS & PRESENTATIONS▼](#) [PROJECTS▼](#) [NETWORK](#) [VIDEO](#) [ABOUT 4DH▼](#) [LOGIN](#)

CONFERENCE 2017

CONFERENCE 2018

[Home](#) > [Conferences](#) > Conference 2018

4TH INTERNATIONAL CONFERENCE ON SMART ENERGY SYSTEMS AND 4TH GENERATION DISTRICT HEATING - AALBORG 13-14 NOV 2018

- [CONFERENCE 2018](#)
- + [PROGRAMME](#)
- + [PRESENTATIONS](#)
- + [PICTURES](#)
- + [BOOK OF ABSTRACTS](#)

The 4DH Strategic Research Centre, the RE-INVEST project and Aalborg University invited researchers and experts from industry and businesses to the 4th International Conference on Smart Energy Systems and 4th Generation District Heating. This year's conference took place from 13-14 November 2018 in Aalborg. With more than 130 interesting presentations, high-profile keynote speakers, exciting workshops and technical tours, the conference received a high level of interest. This year, we welcomed 320 participants representing 27 different countries. The aim of the conference was to present and discuss scientific findings and industrial experiences related to the subject of Smart Energy Systems based on renewable energy and future 4th Generation District Heating Technologies and Systems (4GDH).





Funded by the Horizon 2020 programme
of the European Union



H^oTMAPS

www.hotmaps-project.eu

**INTERNATIONAL ENERGY POLICY &
PROGRAMME EVALUATION CONFERENCE
(IEPPEC)
JUNE 2018
VIENNA**

The Hotmaps project develops a toolbox that supports heating and cooling mapping and planning processes. Website: www.hotmaps-project.eu



Development of a toolbox that will be:

- **User-driven:** developed in collaboration with pilot areas
- **Open source:** the developed tool will run without requiring any other commercial tool or software and the code will be accessible
- **EU-28 compatible:** the tool will be applicable for cities in all 28 EU Member States

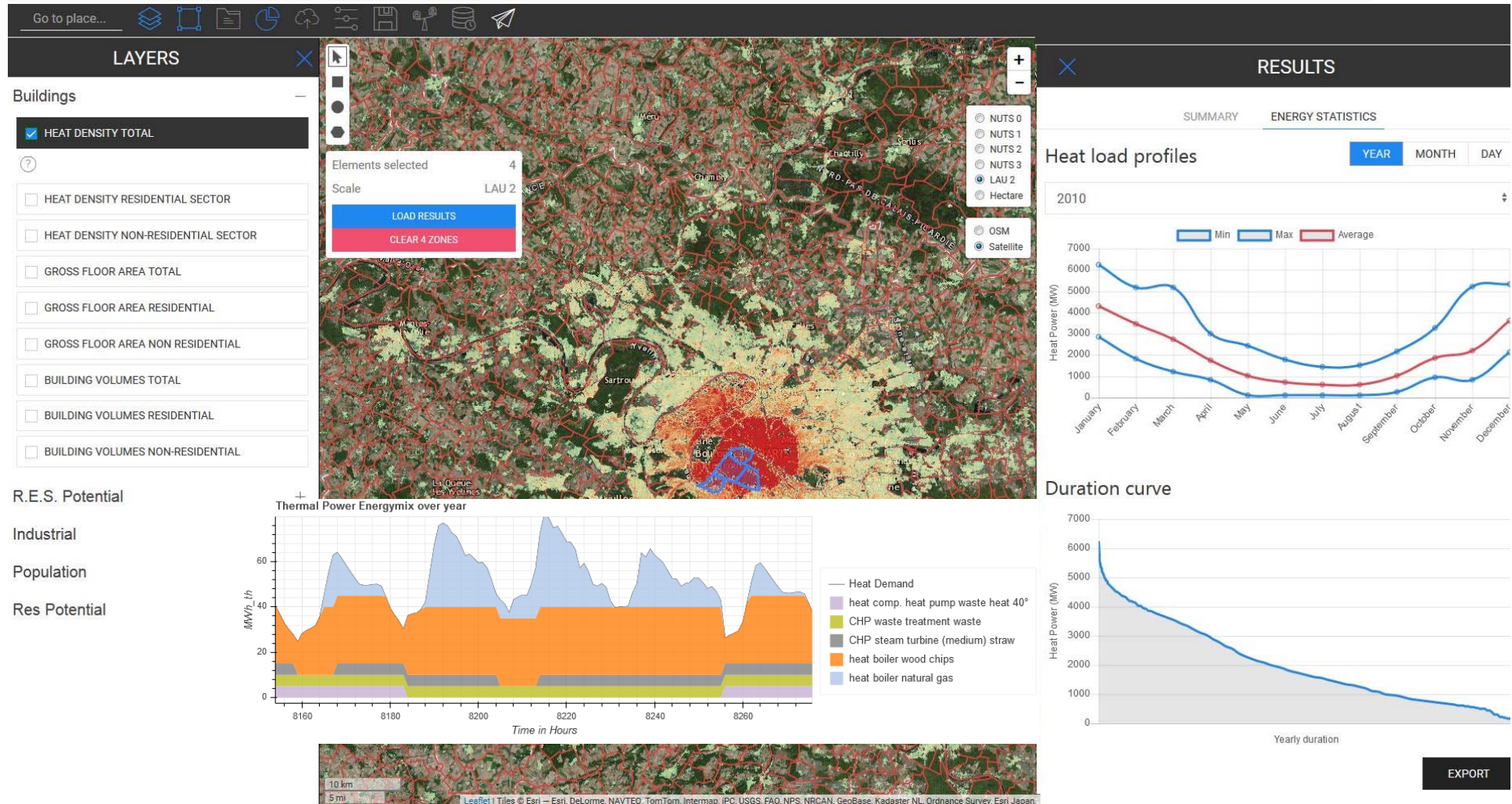
The experts behind the project: 17 partners combining scientific institutions and pilot areas for developing and testing the tool



Funded by the Horizon 2020 programme of the European Union

Hotmaps toolbox – what's in it?

Evaluation of heat load and availability of supply – up to hourly resolution



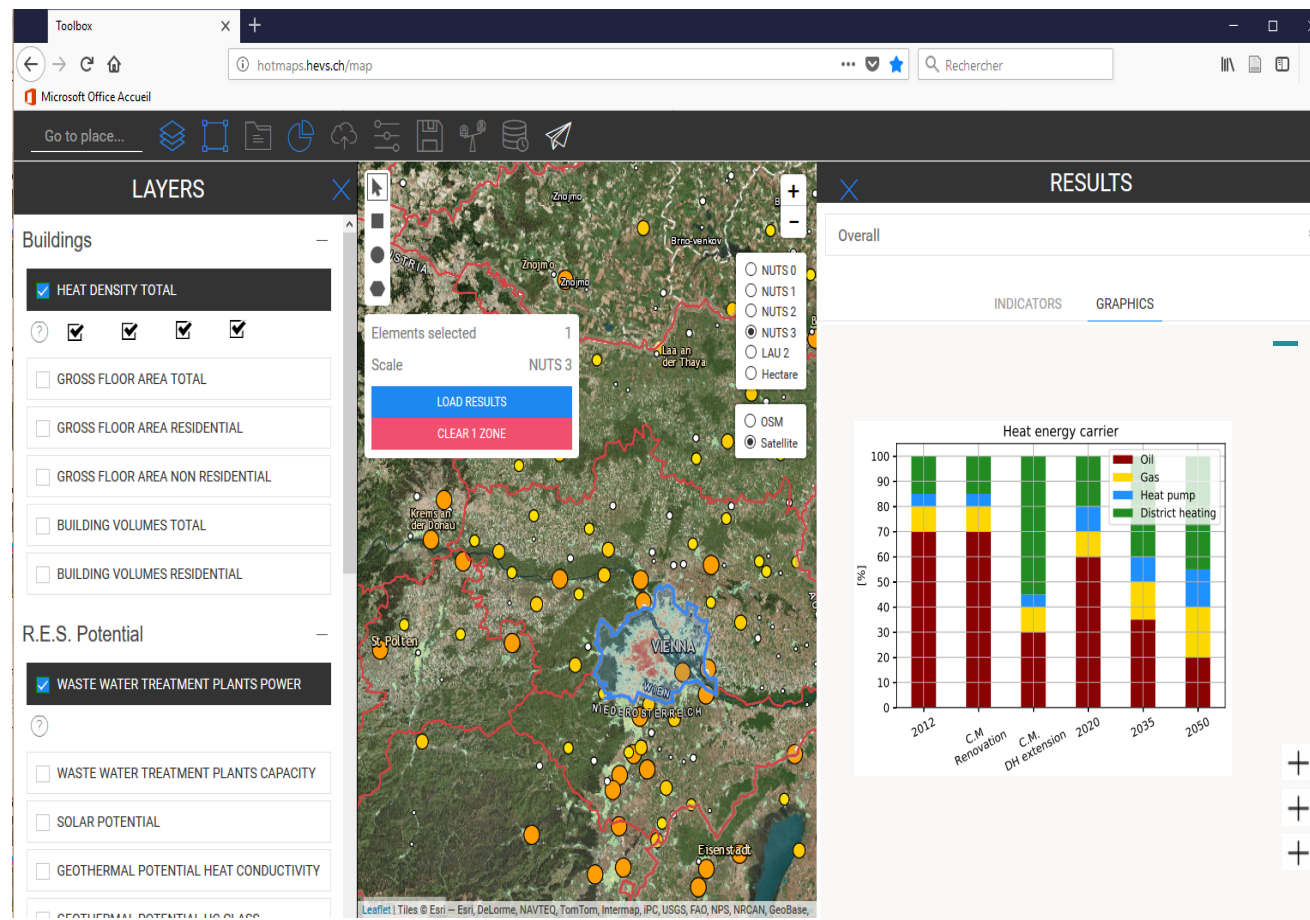


Hotmaps toolbox



Funded by the Horizon 2020 programme
of the European Union

- Work in progress..... Beta version to be released early 2019 – for more information or to register as a beta user please contact: info@hotmaps-project.eu





Interactive session



Funded by the Horizon 2020 programme
of the European Union

1. Content of mapping – which layers are shown in the toolbox?
2. Mapping on different levels from EU28 to hectar level – selection features
3. Get valuable indicators
4. Calculation modules attached to Hotmaps database

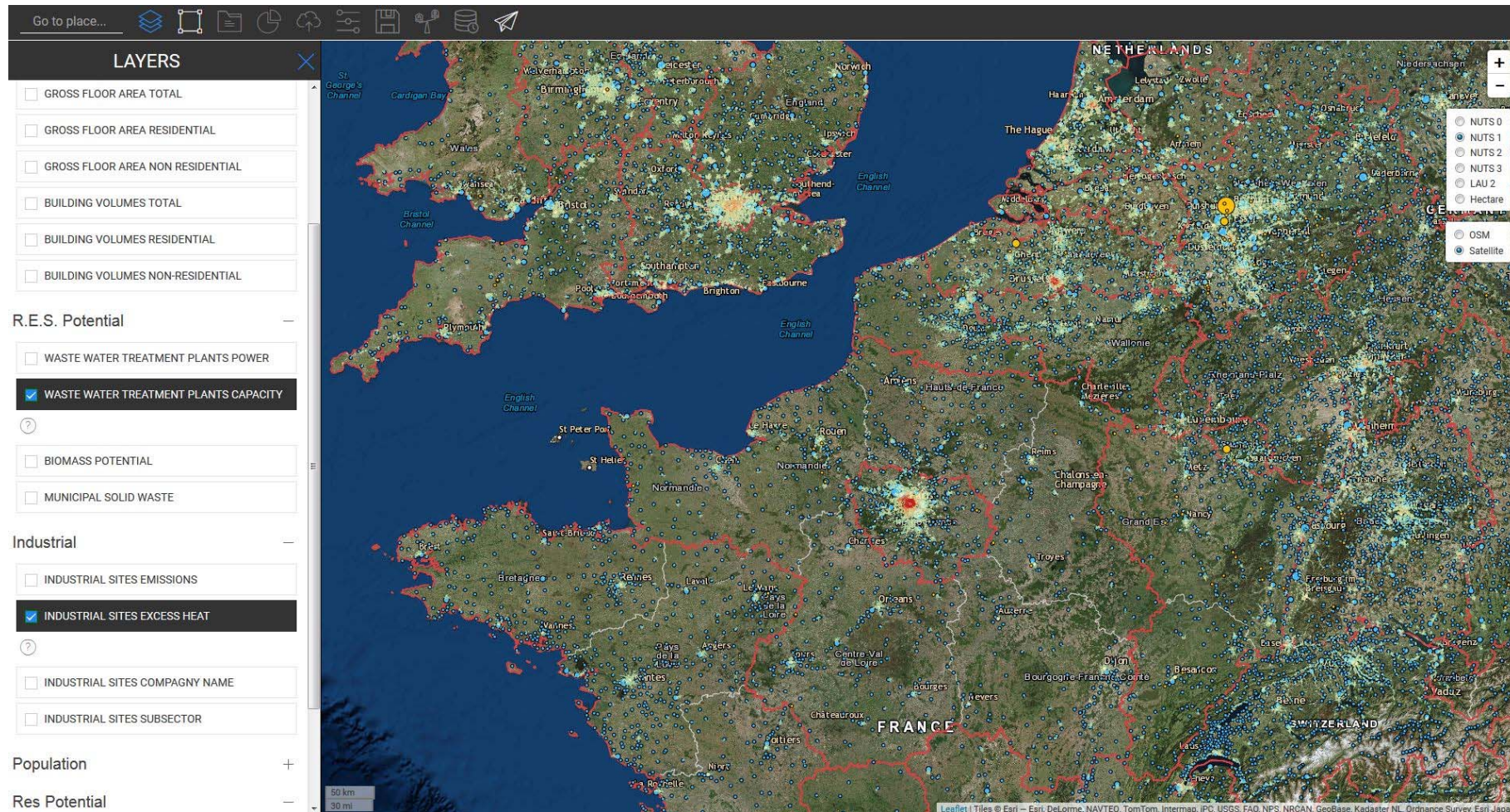


1) Content of mapping



Funded by the Horizon 2020 programme of the European Union

EU – 28 mapping of heat demand and heat supply resources

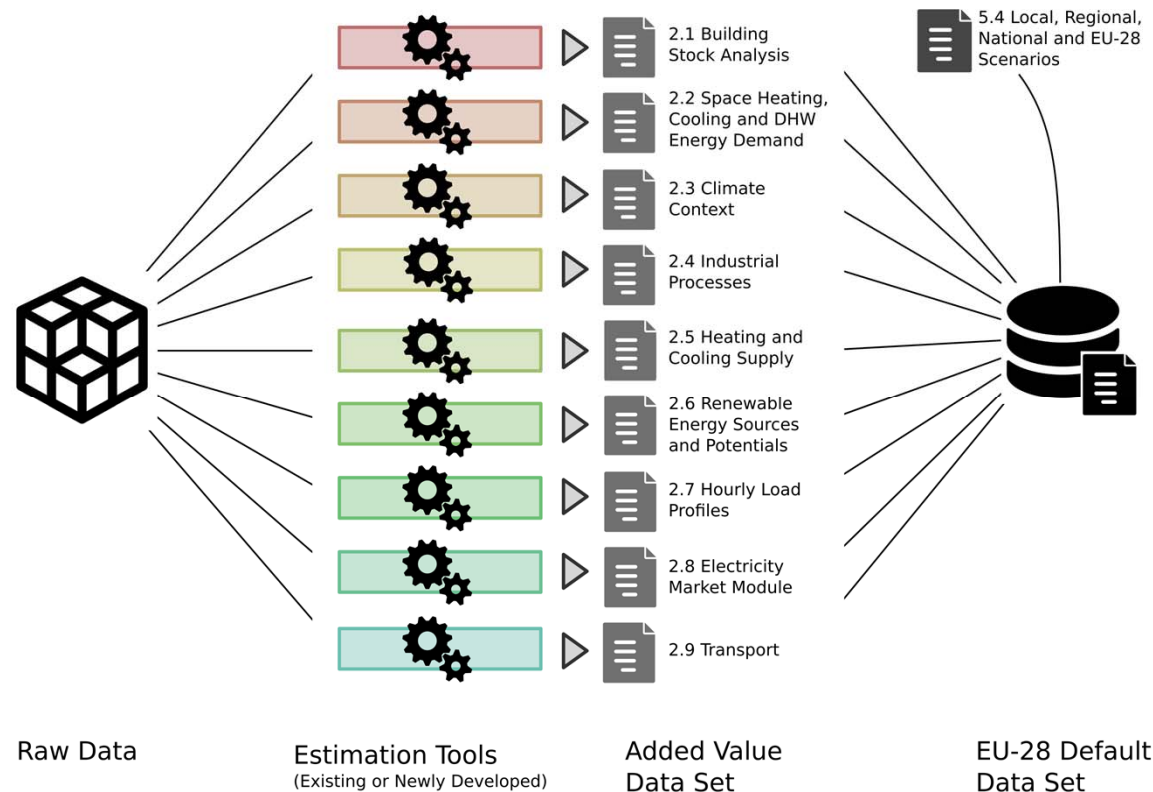




Open EU – 28 dataset



Funded by the Horizon 2020 programme of the European Union



📍 All datasets available at:

<https://gitlab.com/hotmaps>

📍 D2.3 WP2 Report – Open Data Set for the EU28:

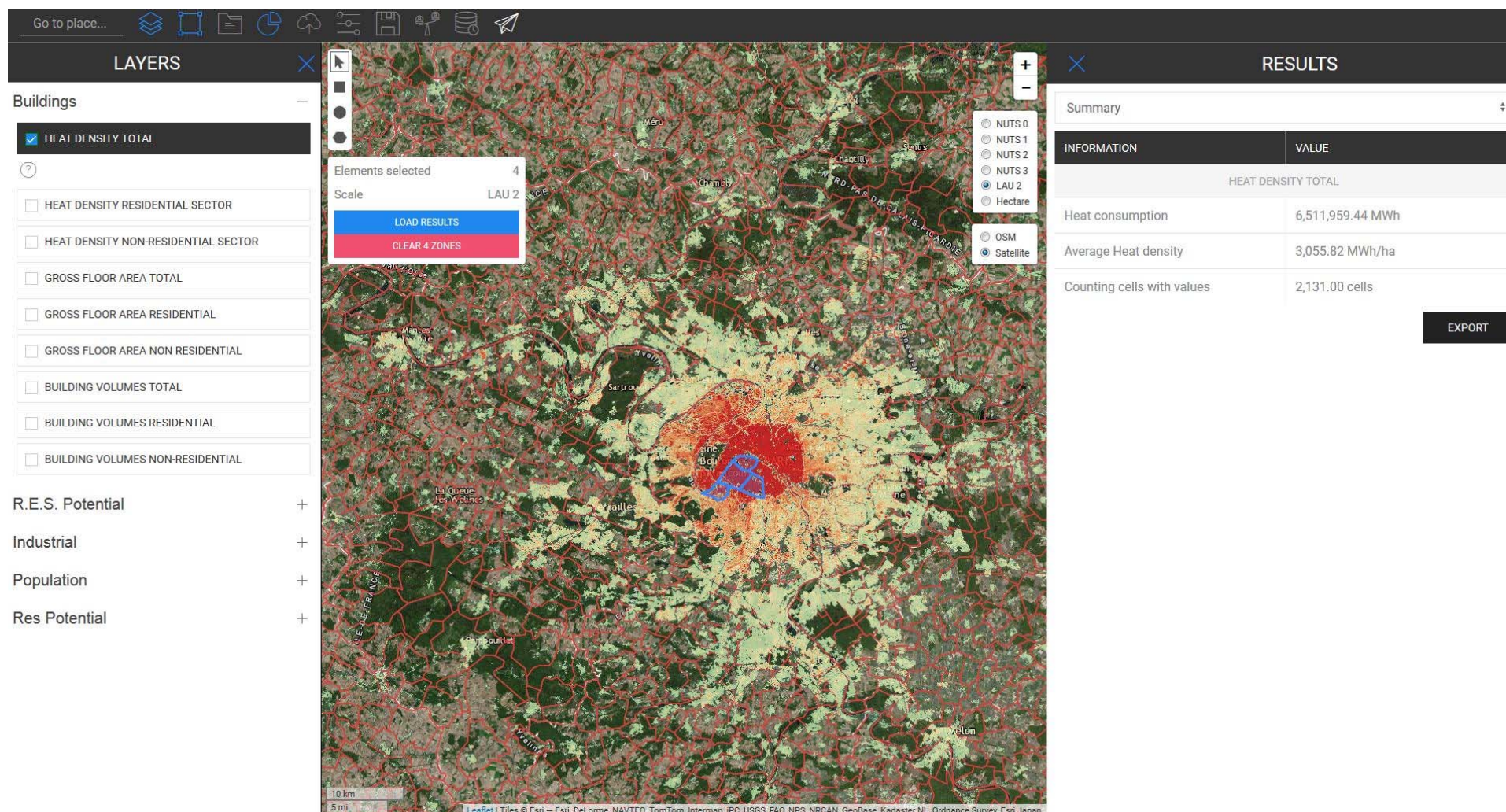
<http://www.hotmaps-project.eu/library/>



2) Mapping on zoom different levels



Funded by the Horizon 2020 programme of the European Union

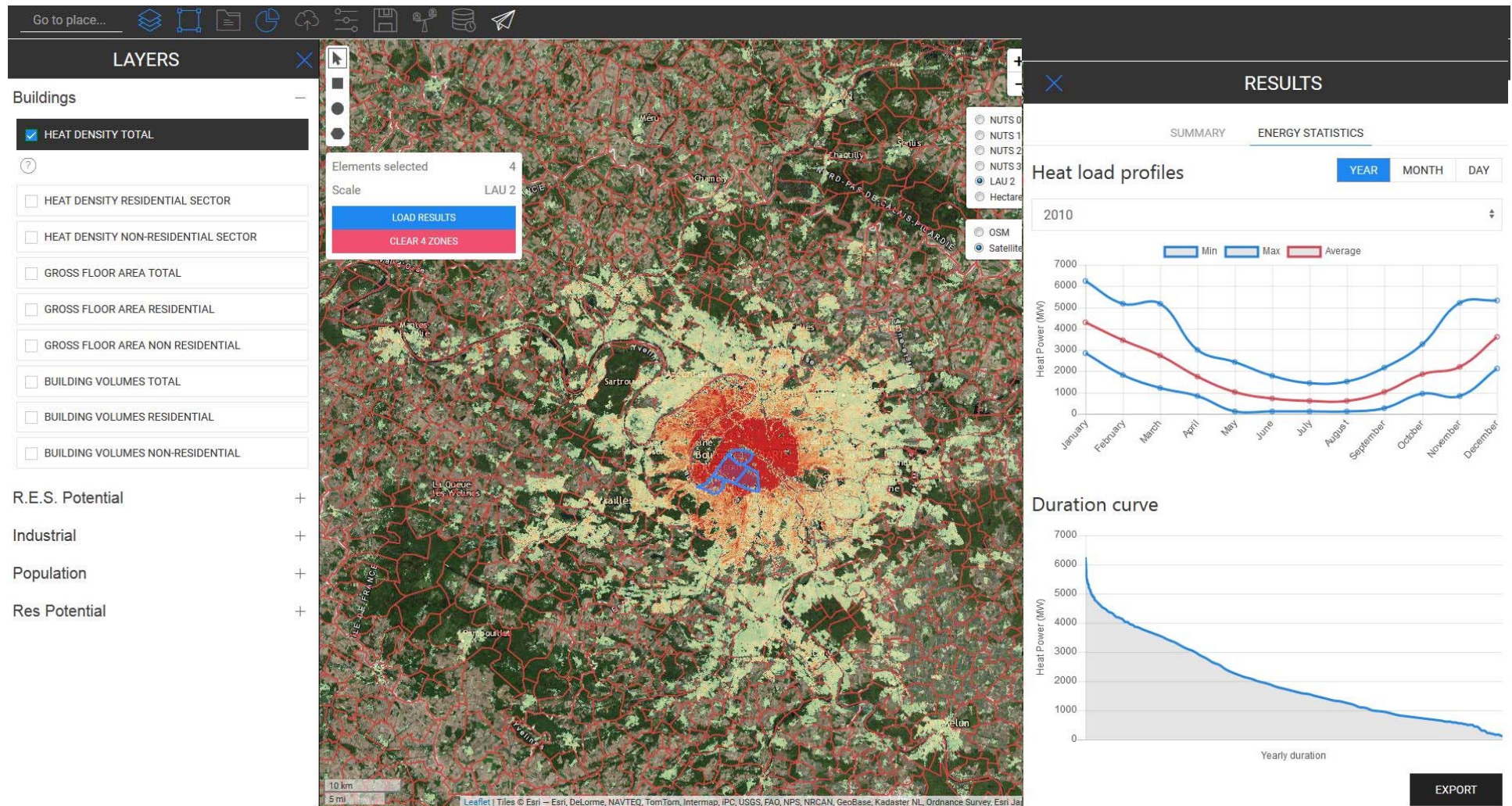




3) Get valuable indicators



Funded by the Horizon 2020 programme of the European Union





Funded by the Horizon 2020 programme
of the European Union

4) Final stage: Adding calculation modules

Evaluation of heat load and availability of supply – up to hourly resolution

