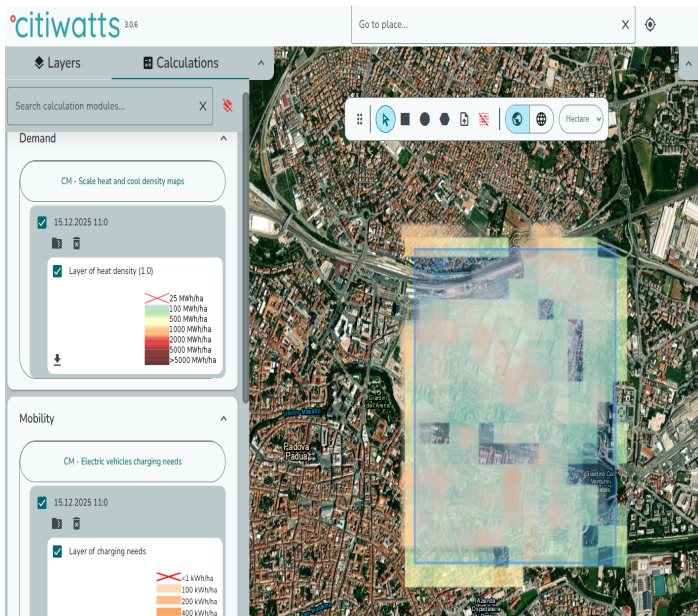


Citiwatts



SOURCE

<https://citiwatts.cloud/map>

DEVELOPER

Hotmaps project EU funded

TYPE OF RESOURCES

Planning tool

AVAILABLE FOR FREE/LICENSE

Entirely free

USER FRIENDLINESS

User-friendly

TUTORIALS AVAILABLE

<https://wiki.hotmaps.eu/en/Training-Material>

SHORT DESCRIPTION

It is an open-source heating/cooling mapping and planning toolbox that intends to allow public authorities to identify, analyses, model and map resources and solutions to supply energy needs within their territory of responsibility in a resource and cost efficient way. Those results will help authorities to develop heating and cooling strategies on local, regional and national scale which are in line with RES and CO2-Emission targets on national and EU level.

PHASE OF THE H&C PLAN

- **Baseline assessment:** H&C demand and consumption.
- **Intervention and decarbonisation scenarios:** renewable energy sources, enhancement of distribution grids.

OUTPUT OF THE TOOL

- Space heating and cooling density needs of buildings [MWh/ha]
- Heating and cooling demand of buildings (total, residential, non-residential) [MWh]
- Industrial Sites Excess Heat (localisation, temperature range) [GWh/yr]
- Excess heat from wastewater treatment plants (localisation) [kW]
- Potential solar thermal collectors (rooftop or open-field) [MWh/yr]
- Potential PV panels [MWh/yr]
- Shallow geothermal energy potential [W/mk]

REQUIRED INPUT

Selected area

MAIN ADVANTAGES

Open-source and free to use

MAIN DISADVANTAGES

No real-time data

