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H^oTMAPS

www.hotmaps-project.eu



How Hotmaps can support SECAP development and implementation

Marcus Hummel, e-think

Webinar: Heating and cooling planning made easier
14th November 2019



Content

- (1) Questions where Hotmaps can help
- (2) How Hotmaps can be used to help
- (3) Exemplary results of strategic analyses in Hotmaps
- (4) The Hotmaps database and toolbox online



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Section 1

Questions where Hotmaps can help



Questions where Hotmaps can help

- **What is the demand** for heating and cooling in my region and **where is it located?**
- **Which options are available for reducing GHG** emissions from heating and cooling in my region?
- **Which** renewable energy and excess heat **sources could be economically feasible** to use in my region?
- Which **levels of heat savings** could be economically feasible for my region?
- Which **shares of district heating** make sense in my area?
- Which **areas are potentially interesting for district heating?**



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Section 2

How Hotmaps can be used to help



How can Hotmaps help

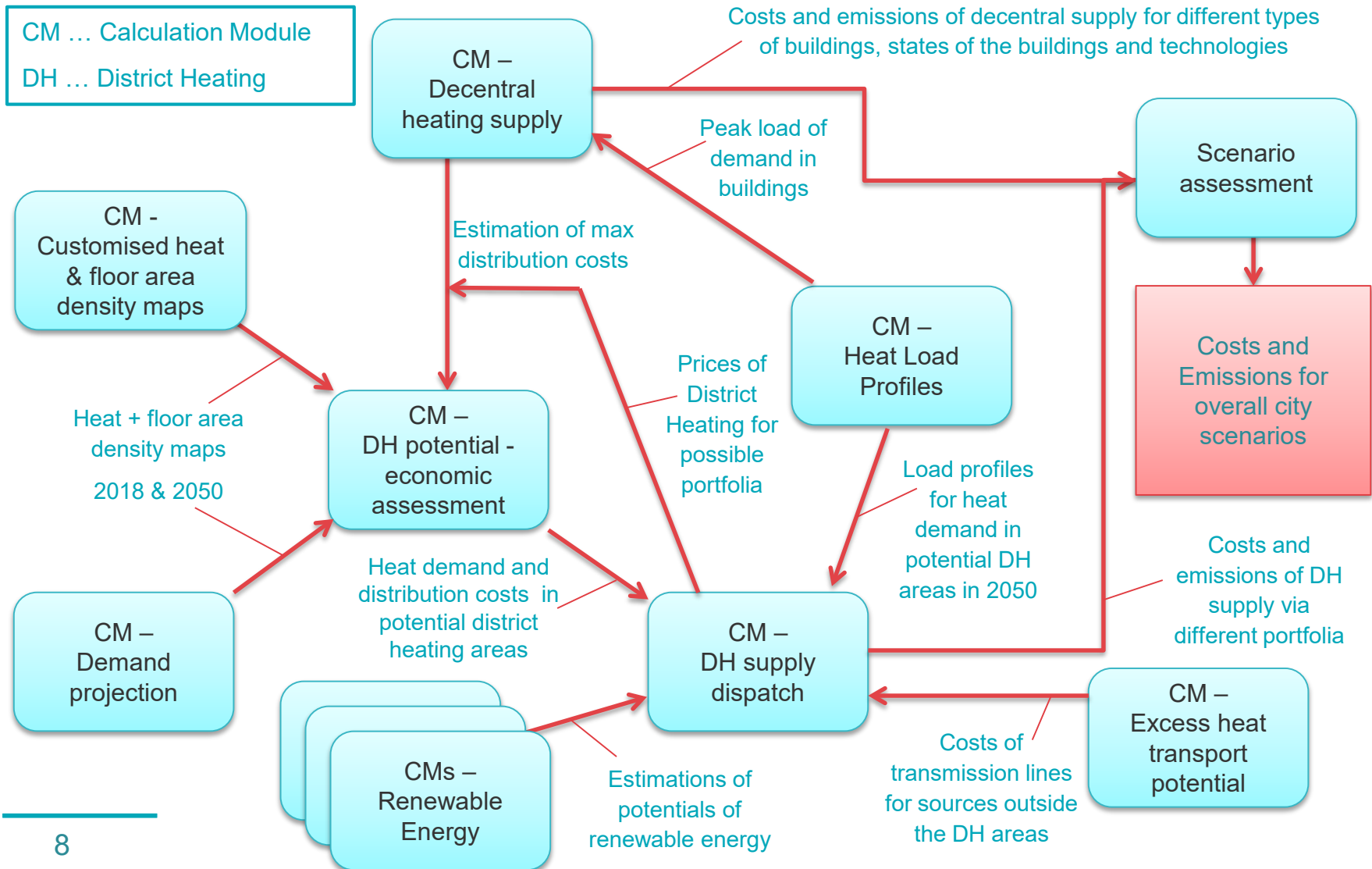
Hotmaps provides data and tools to ...

**Generate quantitative results
to inform strategic decisions**

It helps with ...

1. Mapping of current demand and supply
2. Mapping of resource potentials (renewable and excess heat)
3. Quantitative assessment of different options for reducing GHG emissions from heating and cooling
4. Prioritization of options (CO₂ emissions, share of renewables, costs)

Scenario Toolchain – Guidelines





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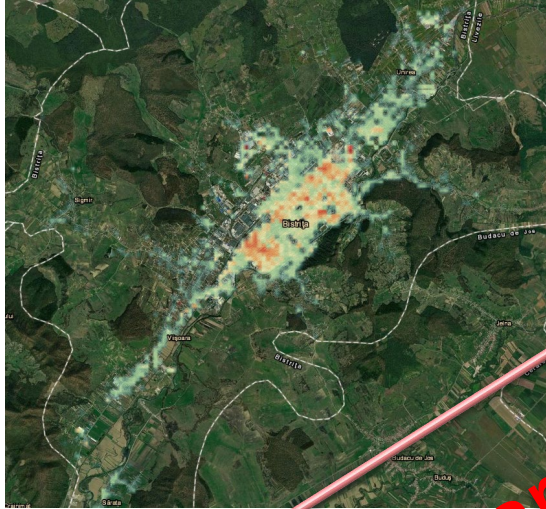
Section 3

Exemplary results of strategic analyses in Hotmaps

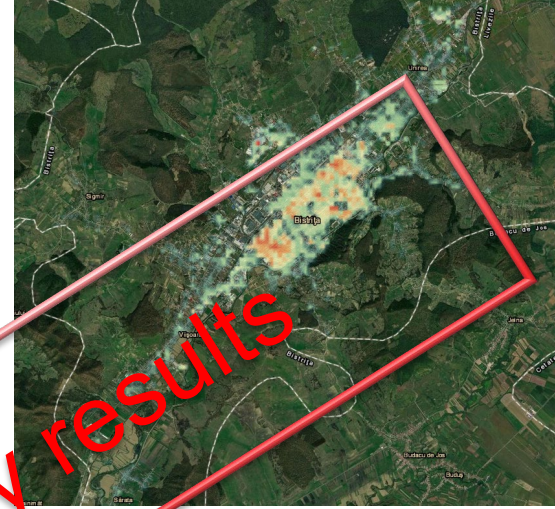


Heat Demand Density Maps – Bistrita

currently



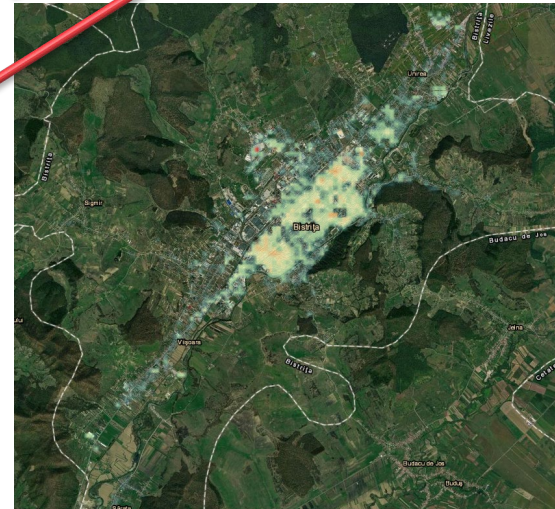
21% savings



39% savings



52% savings



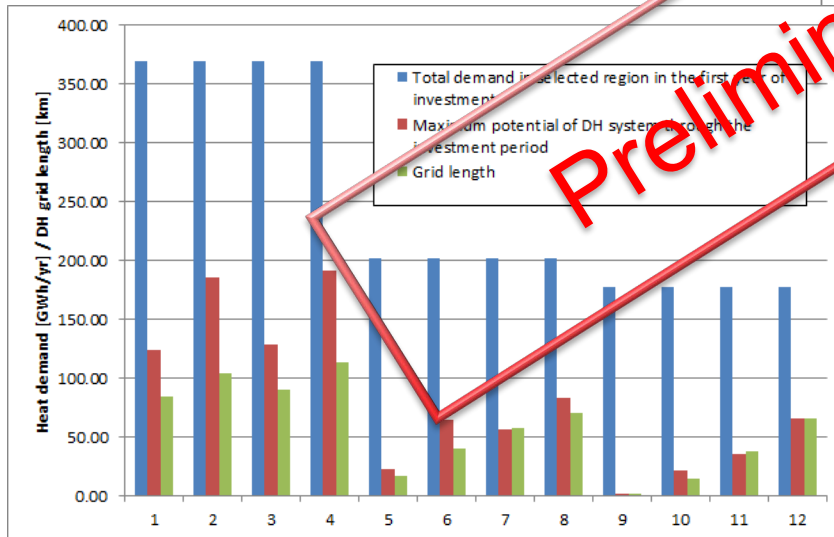
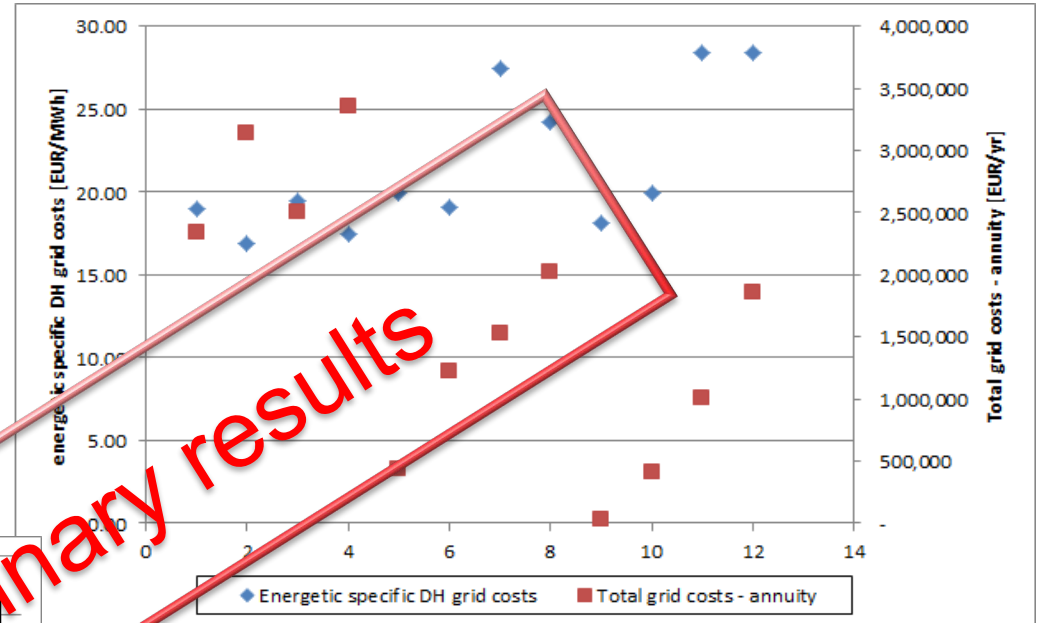
Preliminary results



DH expansion – Bistrita

Scenarios for different ...

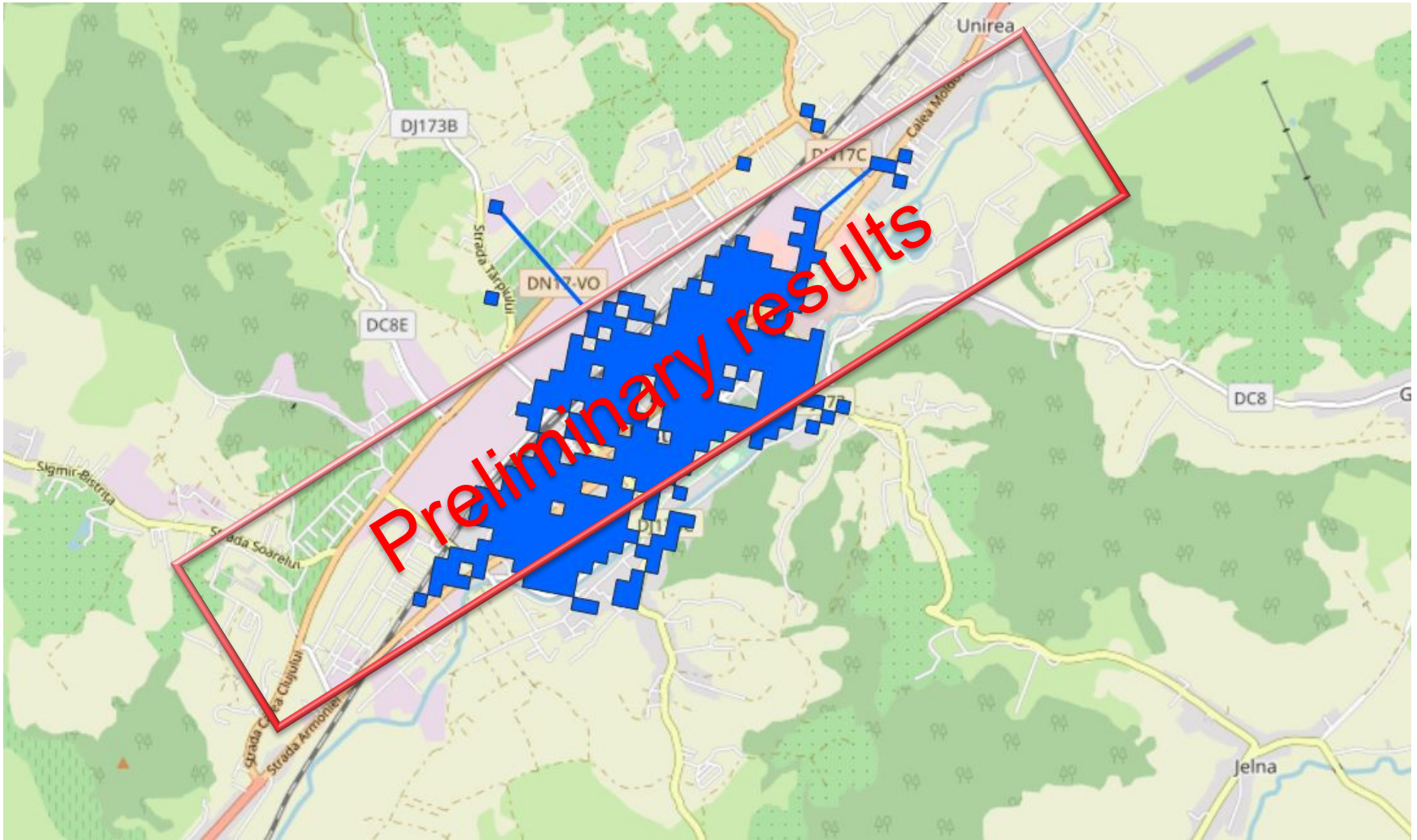
- Heat savings
- DH Market shares
- Grid cost ceilings



Preliminary results



DH expansion – Bistrita





DH dispatch – Bistrita





DH dispatch – Bistrita





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Section 4

The Hotmaps database and toolbox online



The Hotmaps database and toolbox

www.hotmaps.eu



Upcoming trainings

Location	Language	Timing	Duration
Bolzano, IT	EN, (IT, DE)	9/10 Dec 2019	1 ½ days
Brussels, BE	EN	19/20 Feb 2020	1 ½ days
Milton Keynes, GB	EN	1/2 Apr 2020	1 ½ days
Heerlen, NL	EN	Apr 2020 (22./23./24.)	1 day
Frankfurt, DE	DE	5/6 or 6/7 May 2020	1 ½ days
Brasov, RO (tbc)	RO	tbd	1 ½ days

Registration links:

Bolzano

<https://www.eventbrite.co.uk/e/heating-cooling-planning-made-easier-hotmaps-training-registration-65638888683>

Brussels

<https://www.eventbrite.co.uk/e/heating-cooling-planning-made-easier-hotmaps-training-in-brussels-registration-72216368101?ref=estw>

Milton Keynes

<https://www.eventbrite.co.uk/e/heating-cooling-planning-made-easier-hotmaps-training-in-milton-keynes-registration-72218636887>



**Thank you very much for your
attention!**



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