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Hotmaps

How to use Hotmaps for the Comprehensive Assessment, EED Article 14 Annex VIII

Final conference of the Hotmaps project

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30 June 2020

EED Annex VIII

- Article 14(1) and (3) of Directive 2012/27/EU (Energy Efficiency Directive — EED) require each Member State to carry out and submit to the Commission a comprehensive assessment of the potential for energy efficiency in heating and cooling.

EED Annex VIII

- Part I: Overview of heating and cooling
- Part II: Objectives, strategies and policy measures
- Part III: Analysis of the economic potential for efficiency in heating and cooling
- Part IV: Potential new strategies and policy measures

Hotmaps for the EED Annex VIII

- Part I: Overview of heating and cooling
- Part II: C… …nd policy measu…
- Part III: … …ic potentia… …g and cooling
- Part IV: Potential new strategies and policy measures

- Default Data
- Visualisation of own data
- Guidelines

Hotmaps for the EED Annex VIII

- Part I: Overview of heating and cooling
- Part II: Objectives, strategies and policy measures
- Part III: Analysis of the economic potential for efficiency in heating and cooling
- Part IV: Pote
  policy measu

- Hotmaps approach
- Calculation Modules
- Guidelines

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Section 1

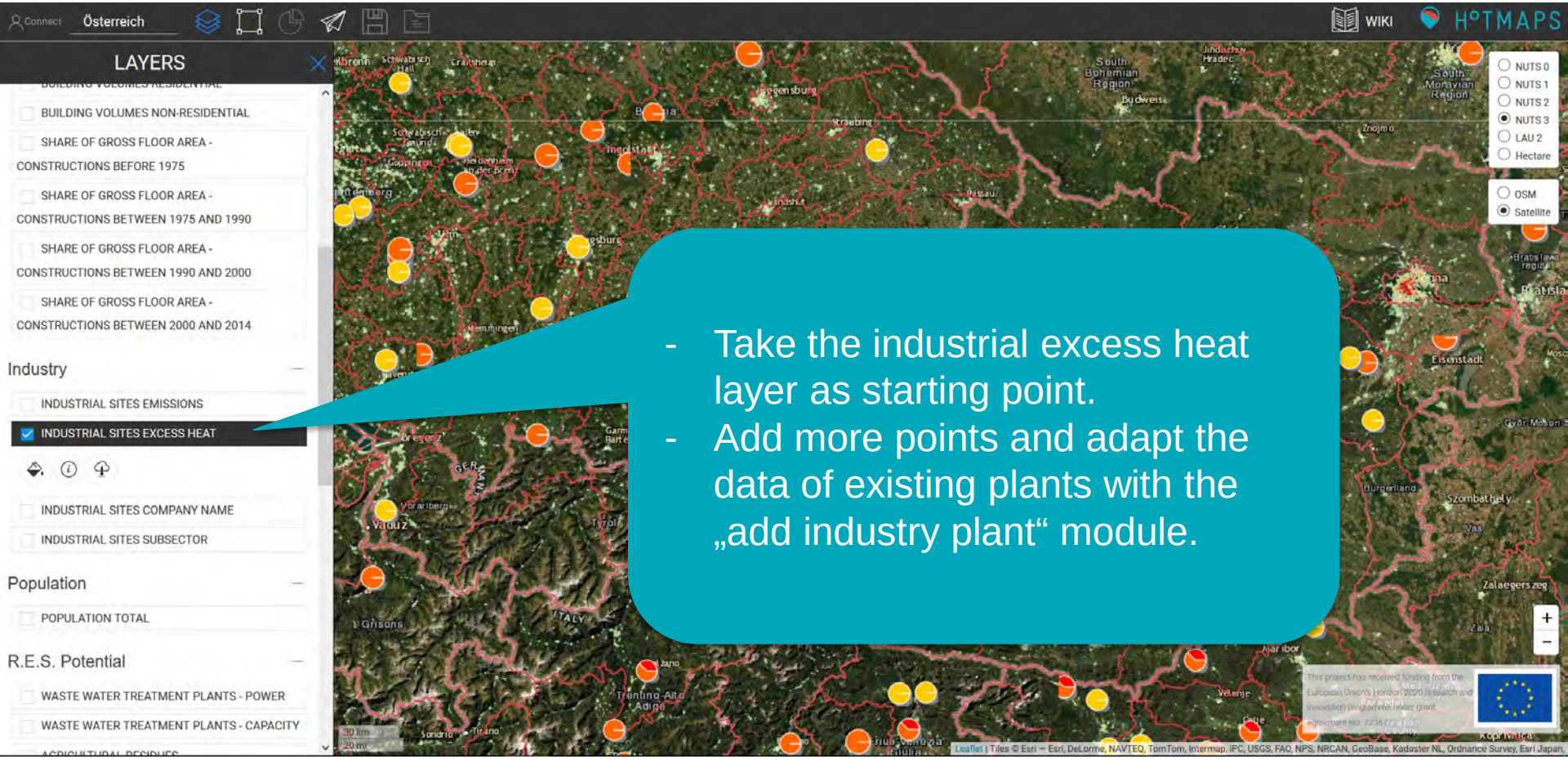
Hotmaps database & toolbox for Annex VIII Part I

Annex VIII Part I

- Available default data for the different data to may be included in the Comprehensive Assessment (CA)
- Data download function
- User account and data upload function

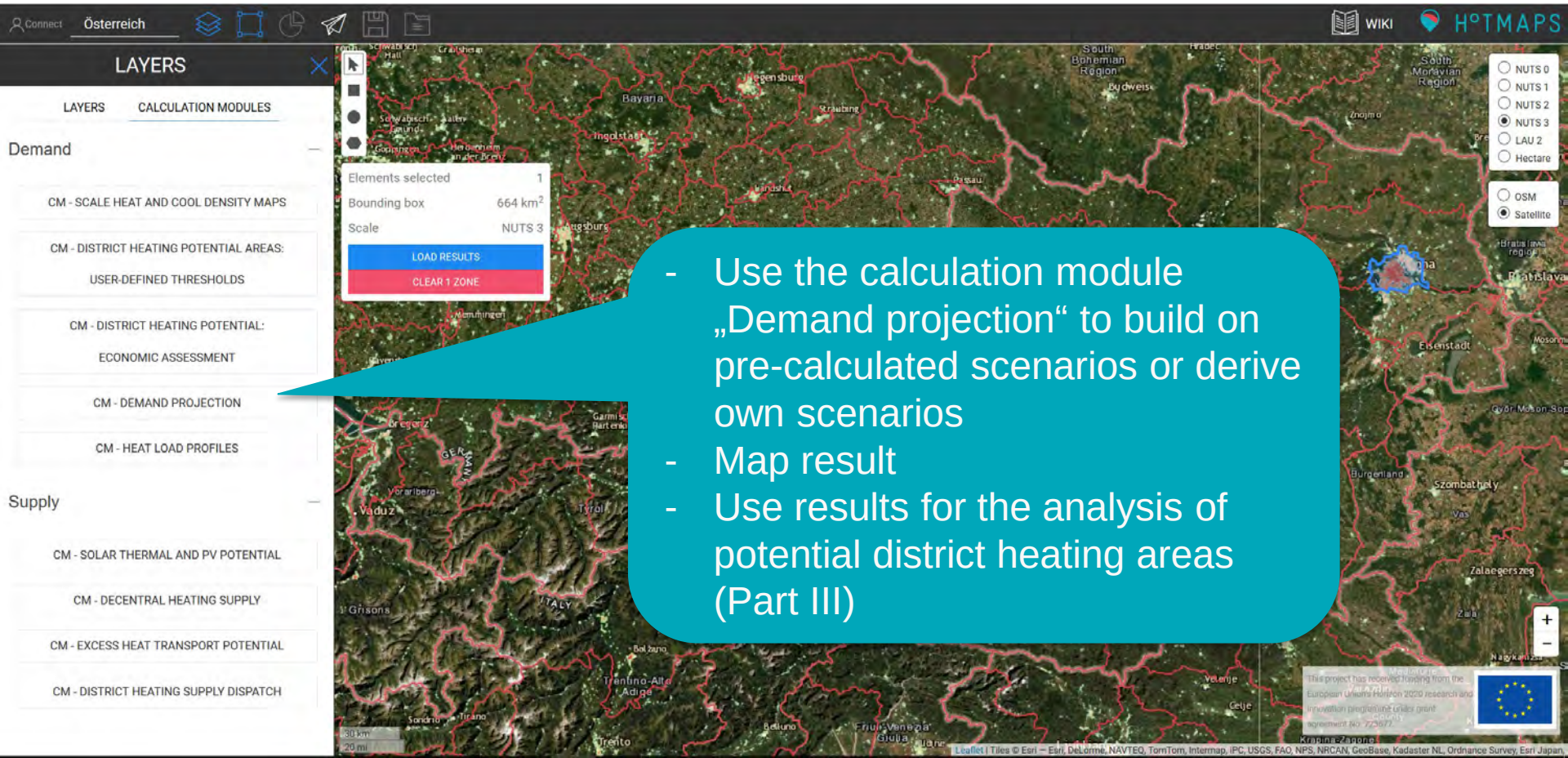
Annex VIII Part I: example waste heat

Identification of installations that generate waste heat or cold and their potential heating or cooling supply



Annex VIII Part I: example forecast

forecast of trends in the demand for heating and cooling until 2030 and 2050



Annex VIII Part I

- Scientific journal paper on default data set for heat demand in buildings
  - "Open Source Data for Gross Floor Area and Heat Demand Density on the Hectare Level for EU 28"
  - published in Energies
  - Abstract: https://www.mdpi.com/1996-1073/12/24/4789
  - PDF Version: https://www.mdpi.com/1996-1073/12/24/4789/pdf

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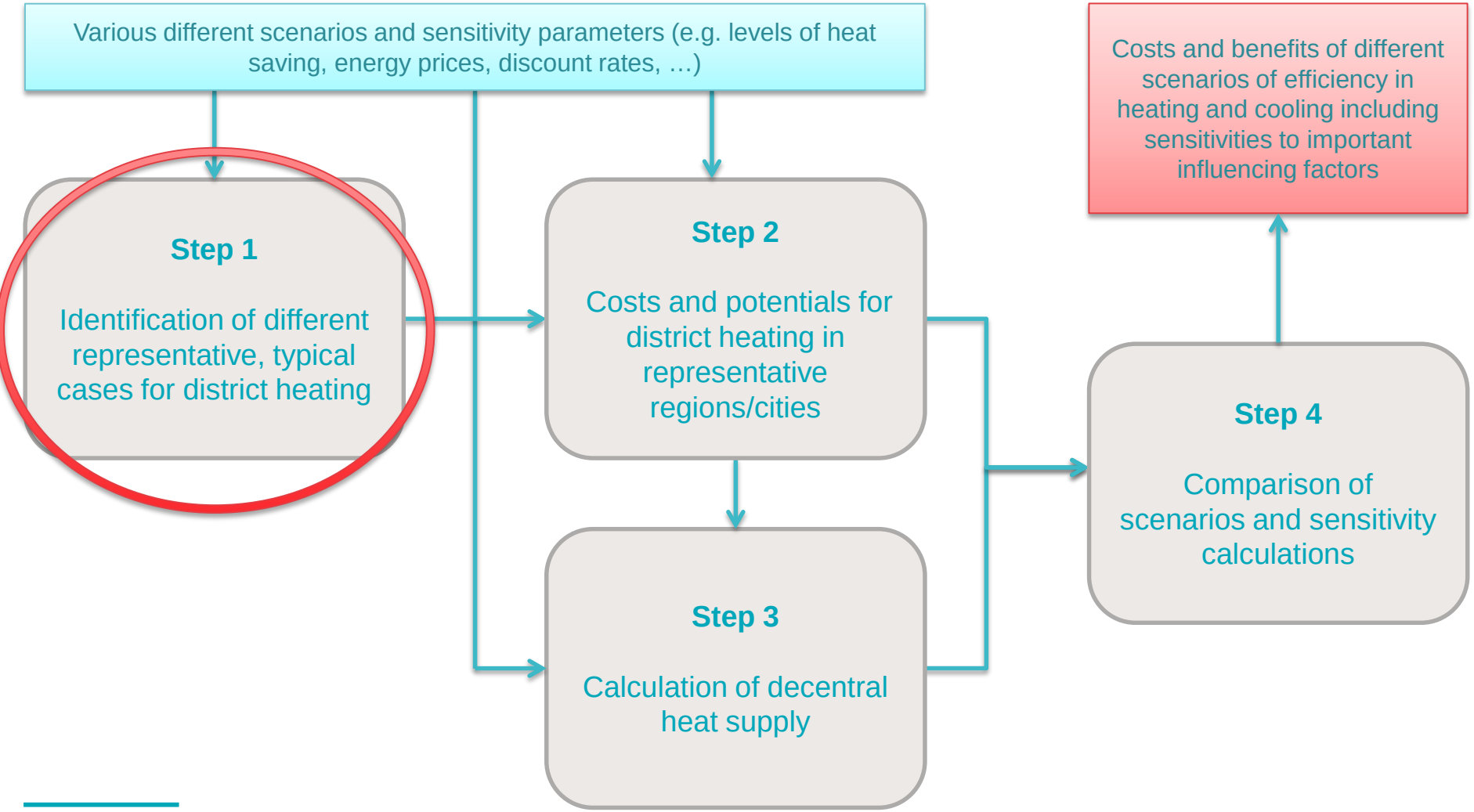
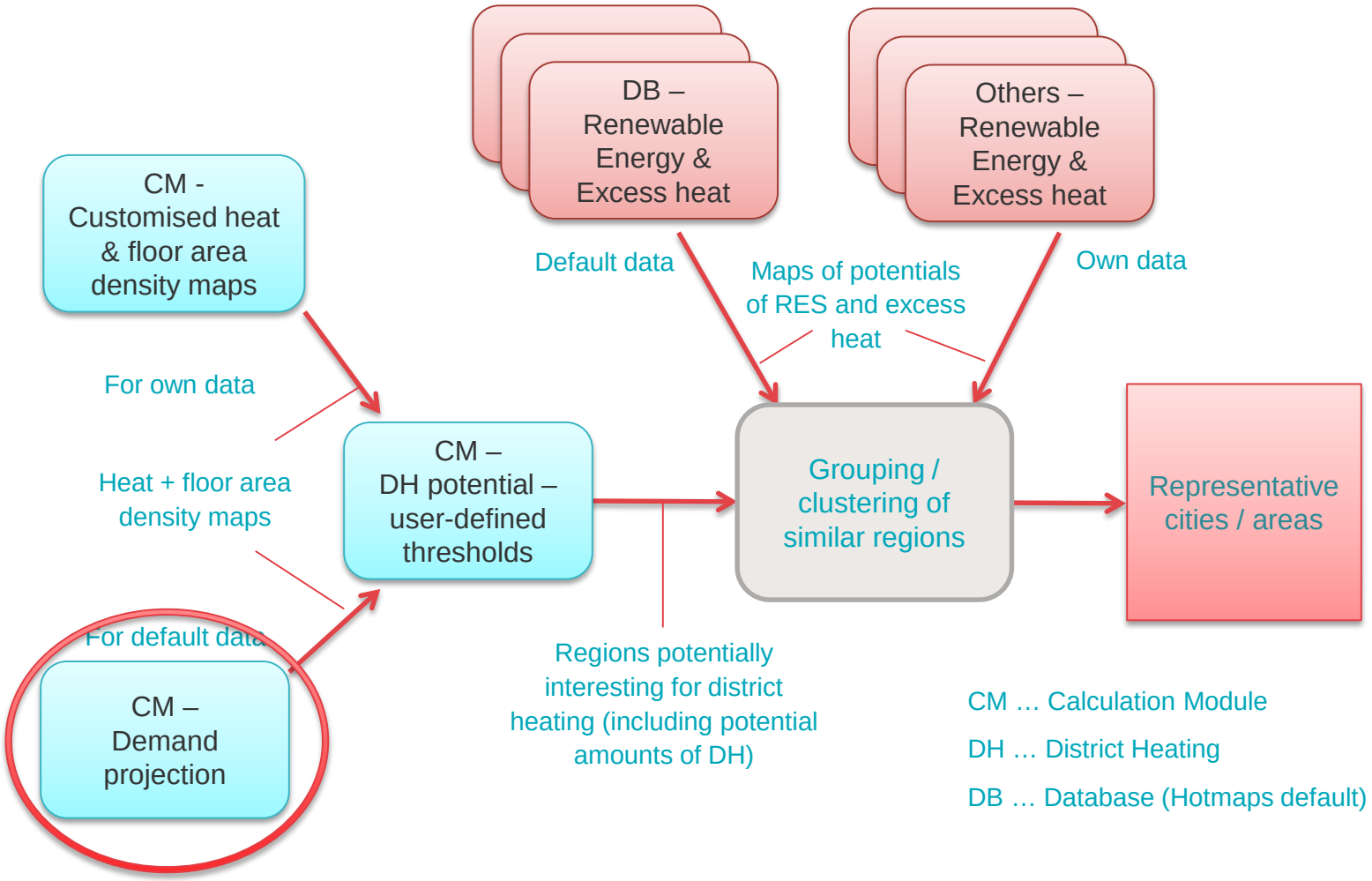
Section 2

Hotmaps database & toolbox for Annex VIII Part III

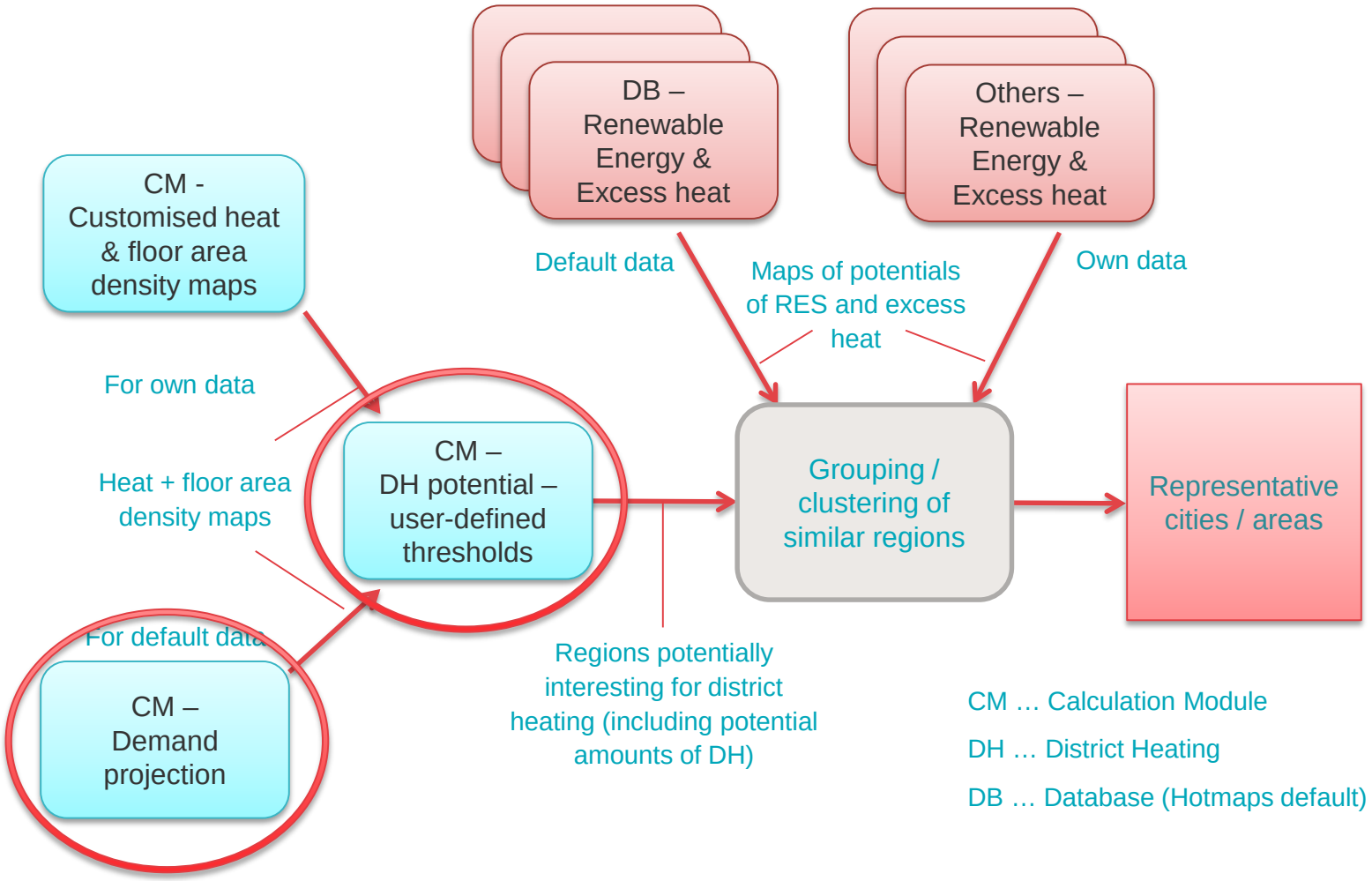
Annex VIII Part III



Annex VIII Part III

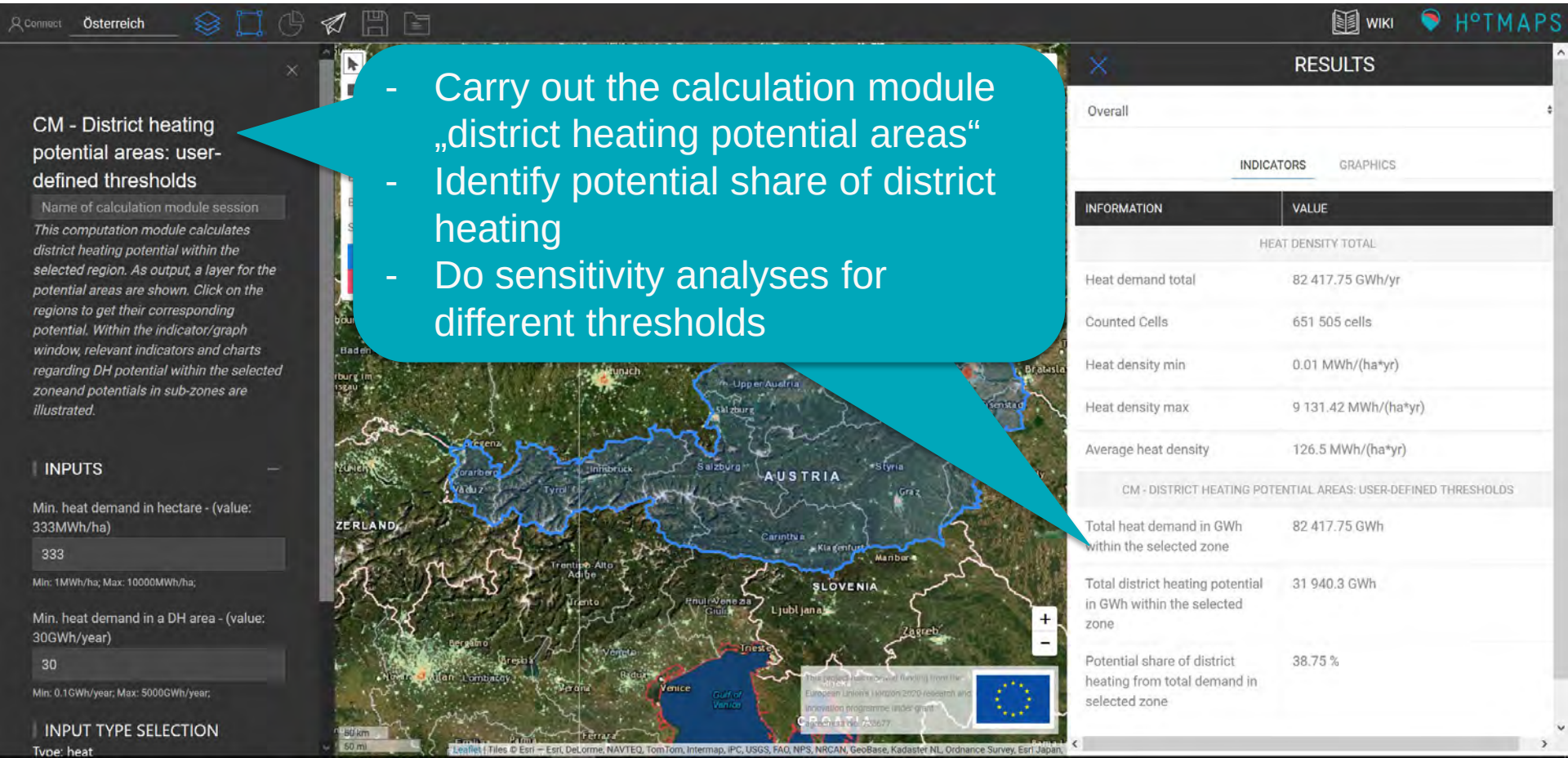


Annex VIII Part III

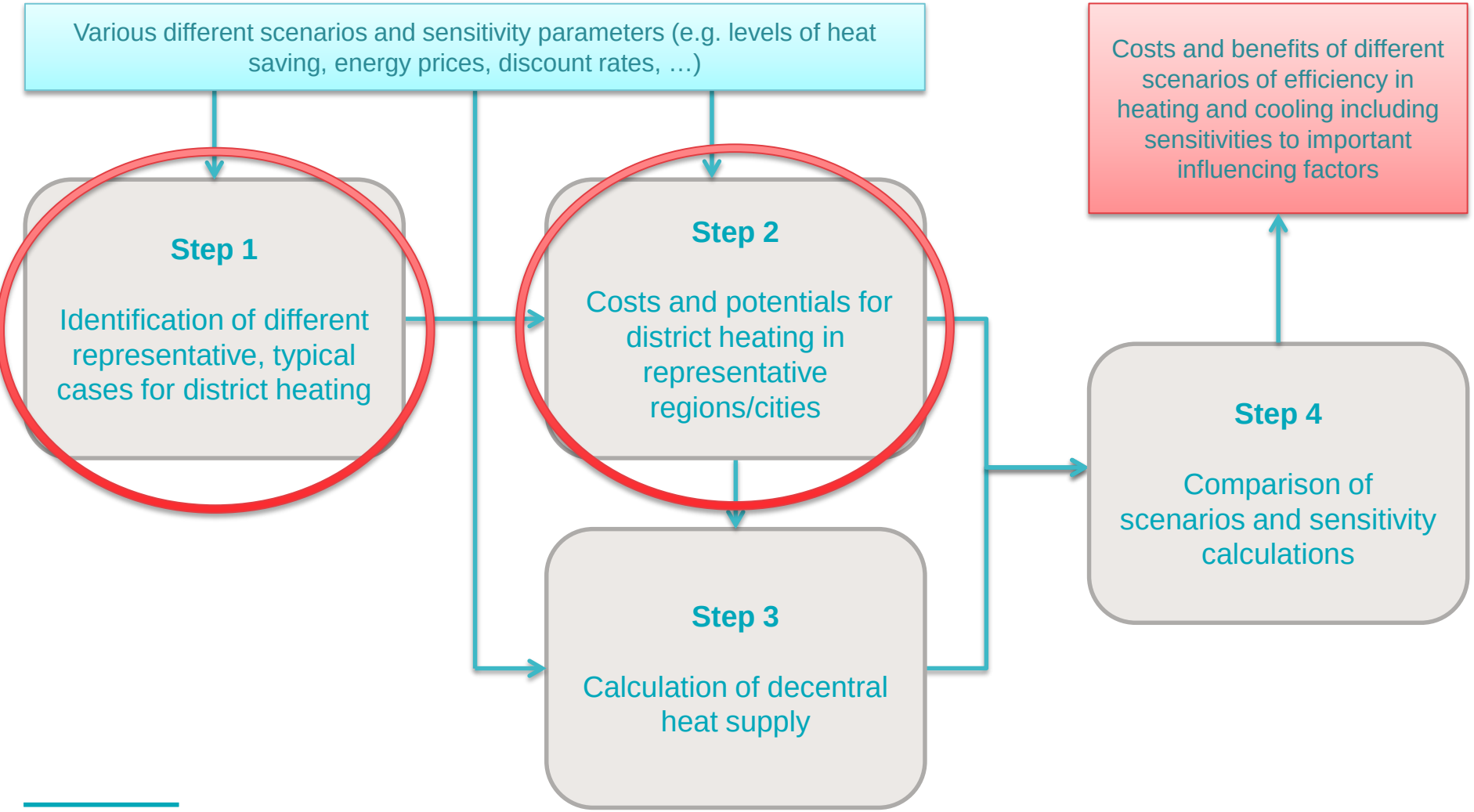


Annex VIII Part I: example heating and cooling demand areas and dh potential

map covering the entire national territory
identifying heating and cooling demand areas



Annex VIII Part III



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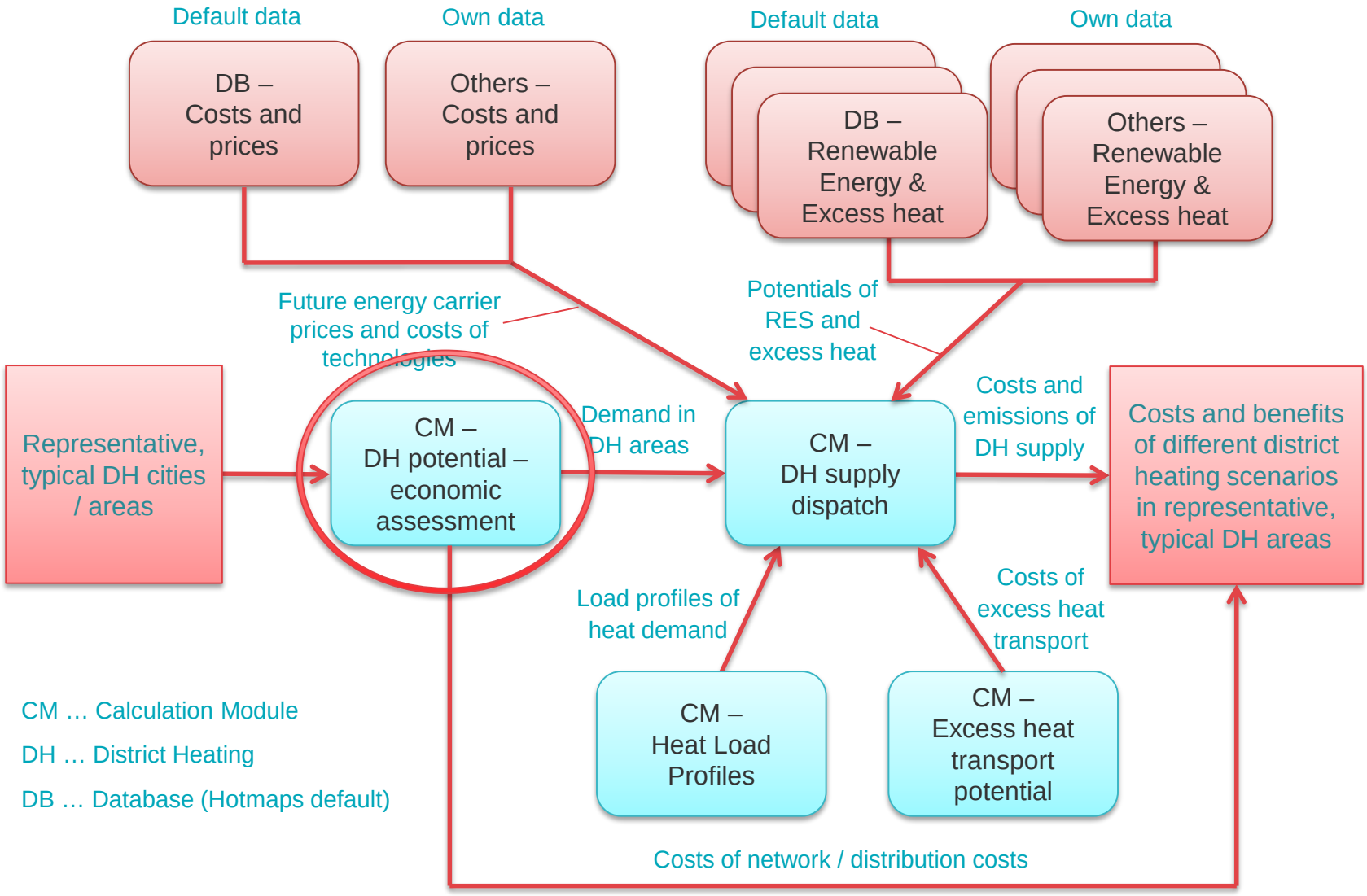
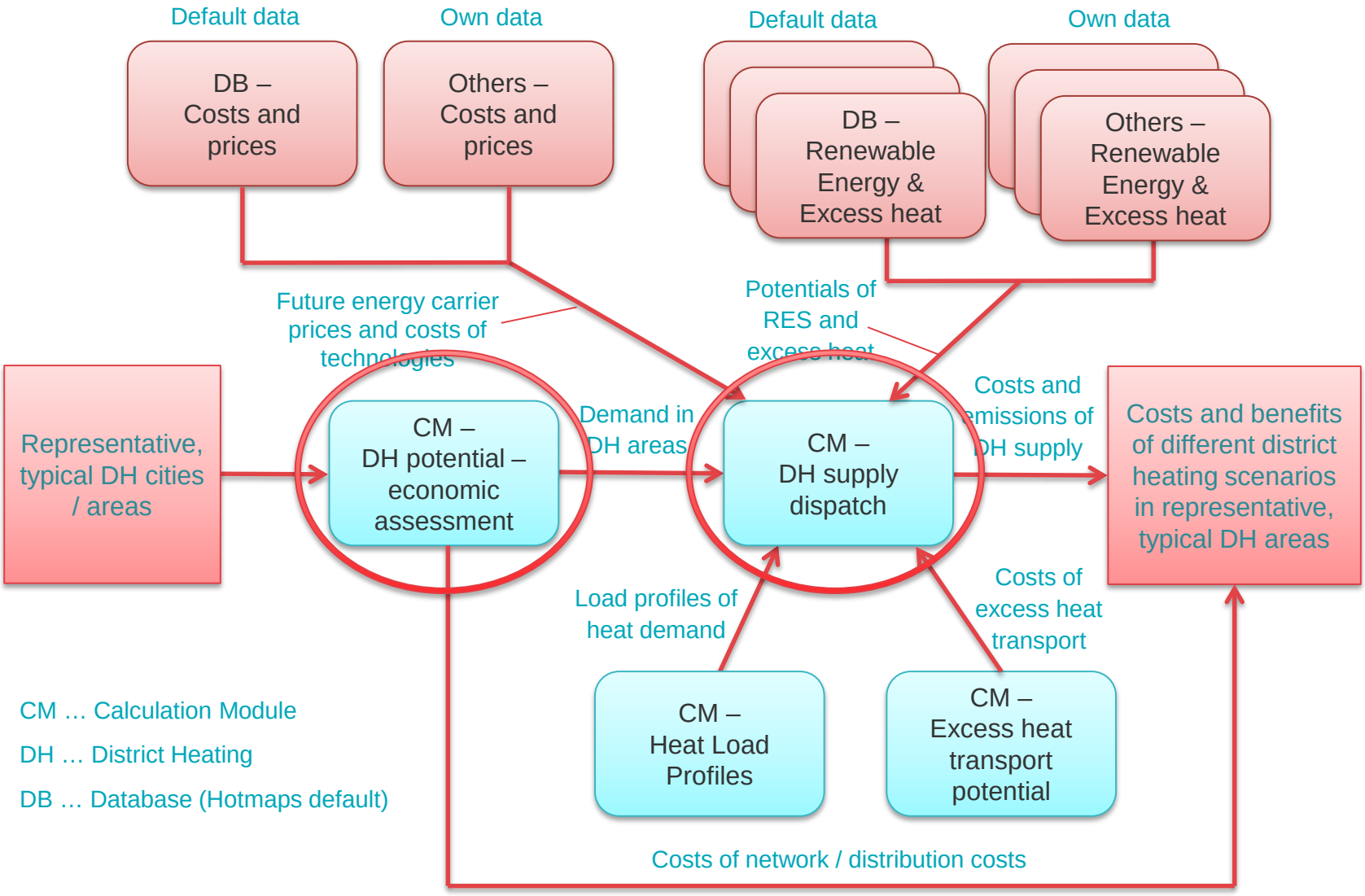


Annex VIII Part III



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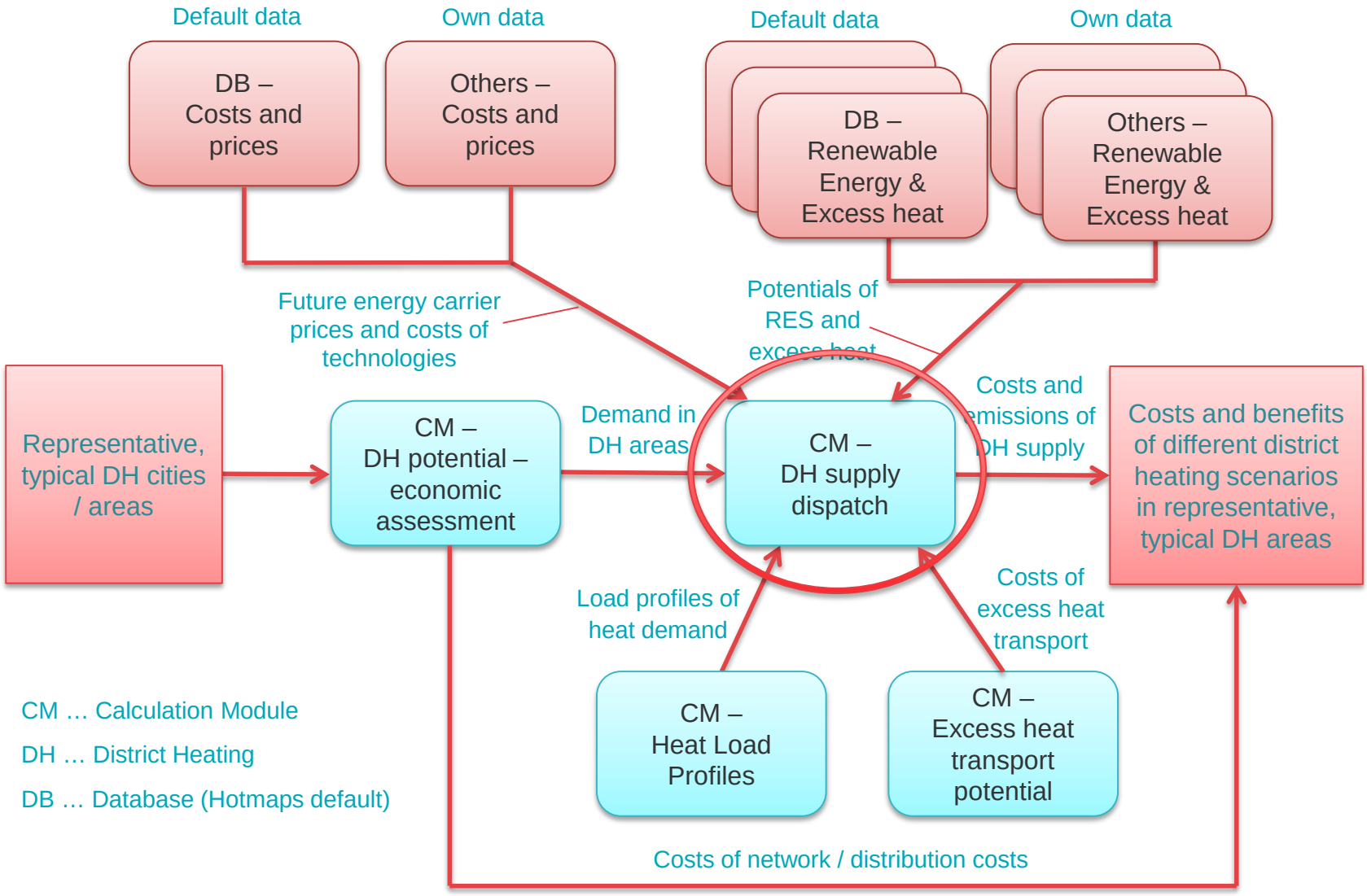

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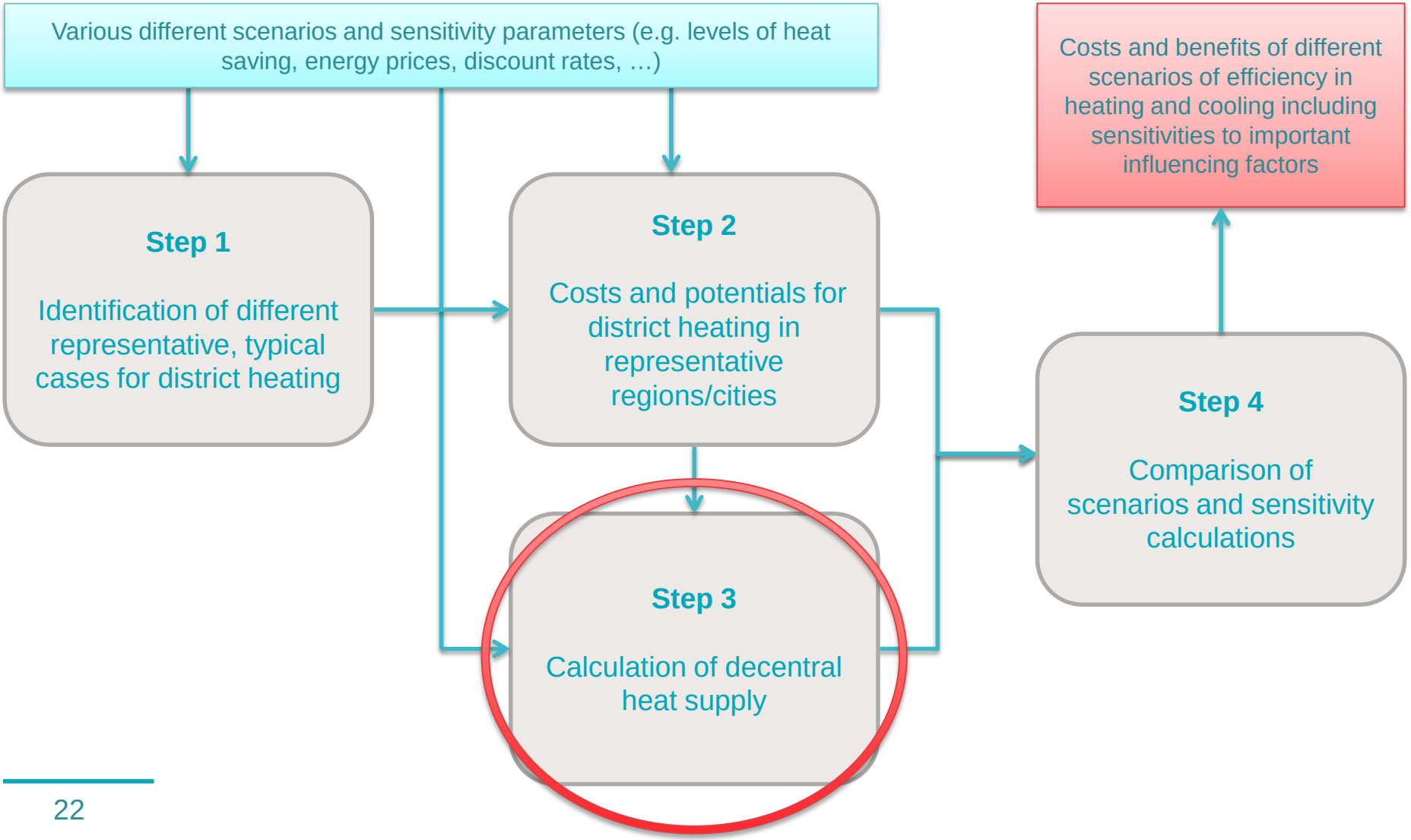

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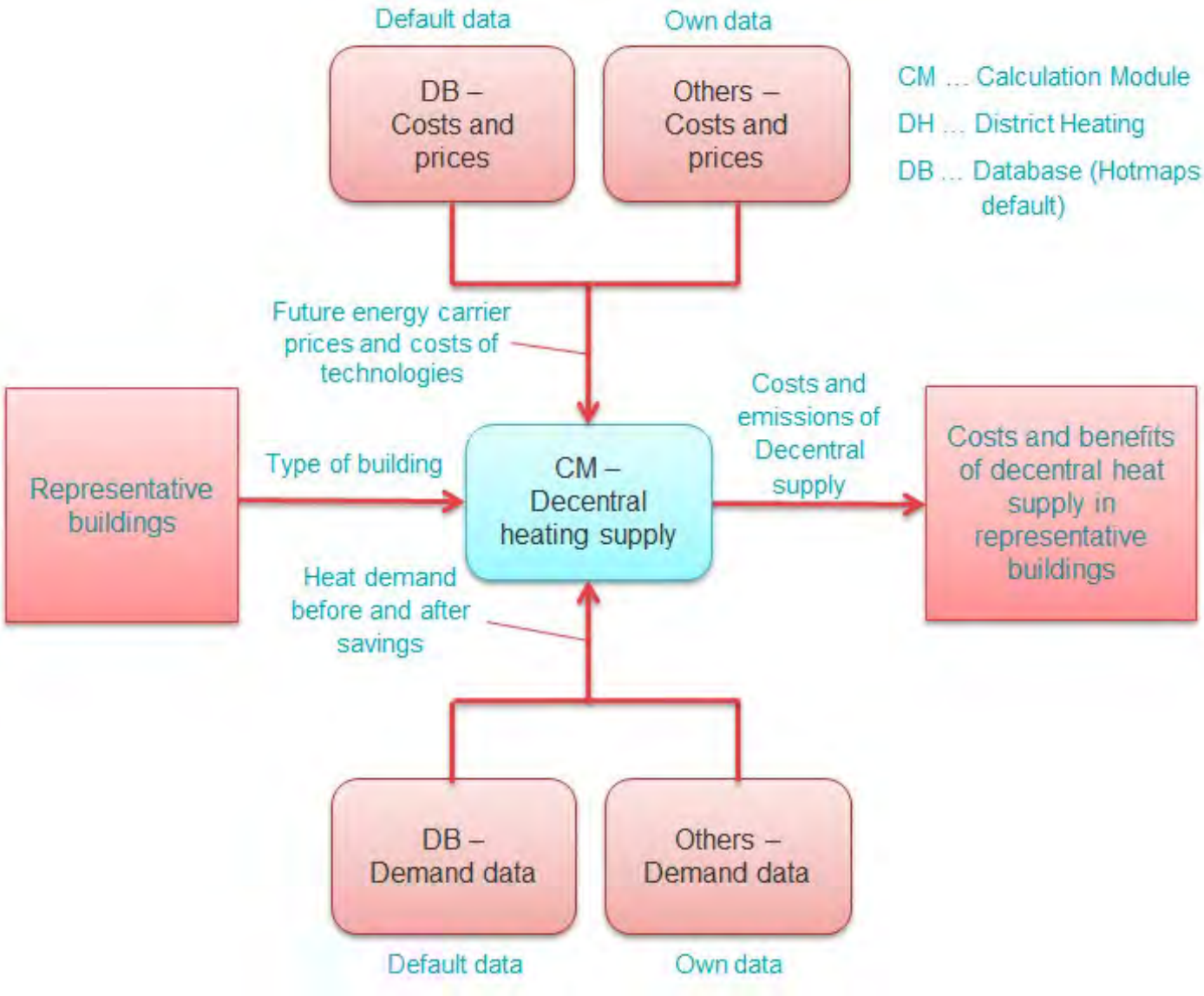

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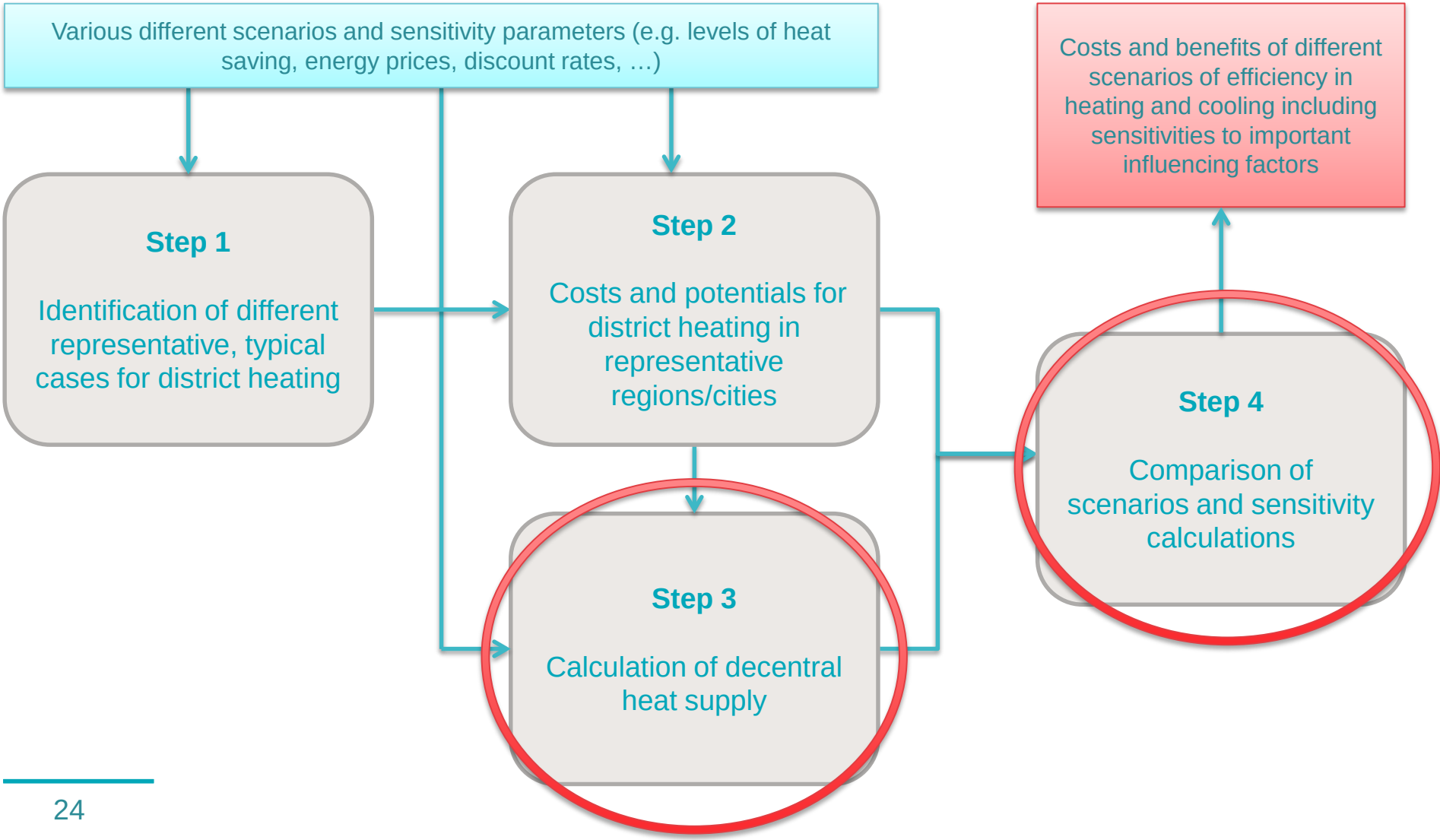
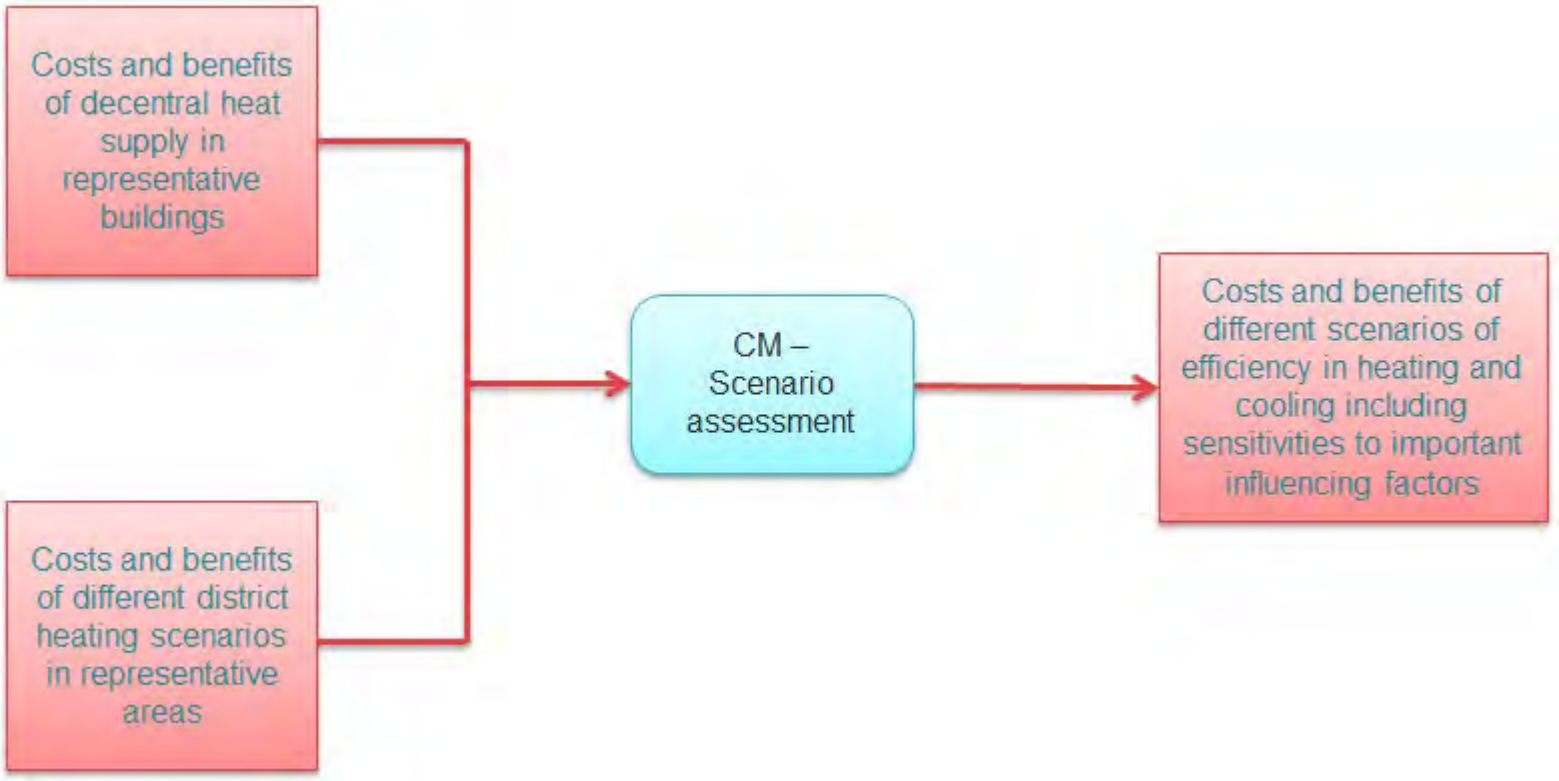
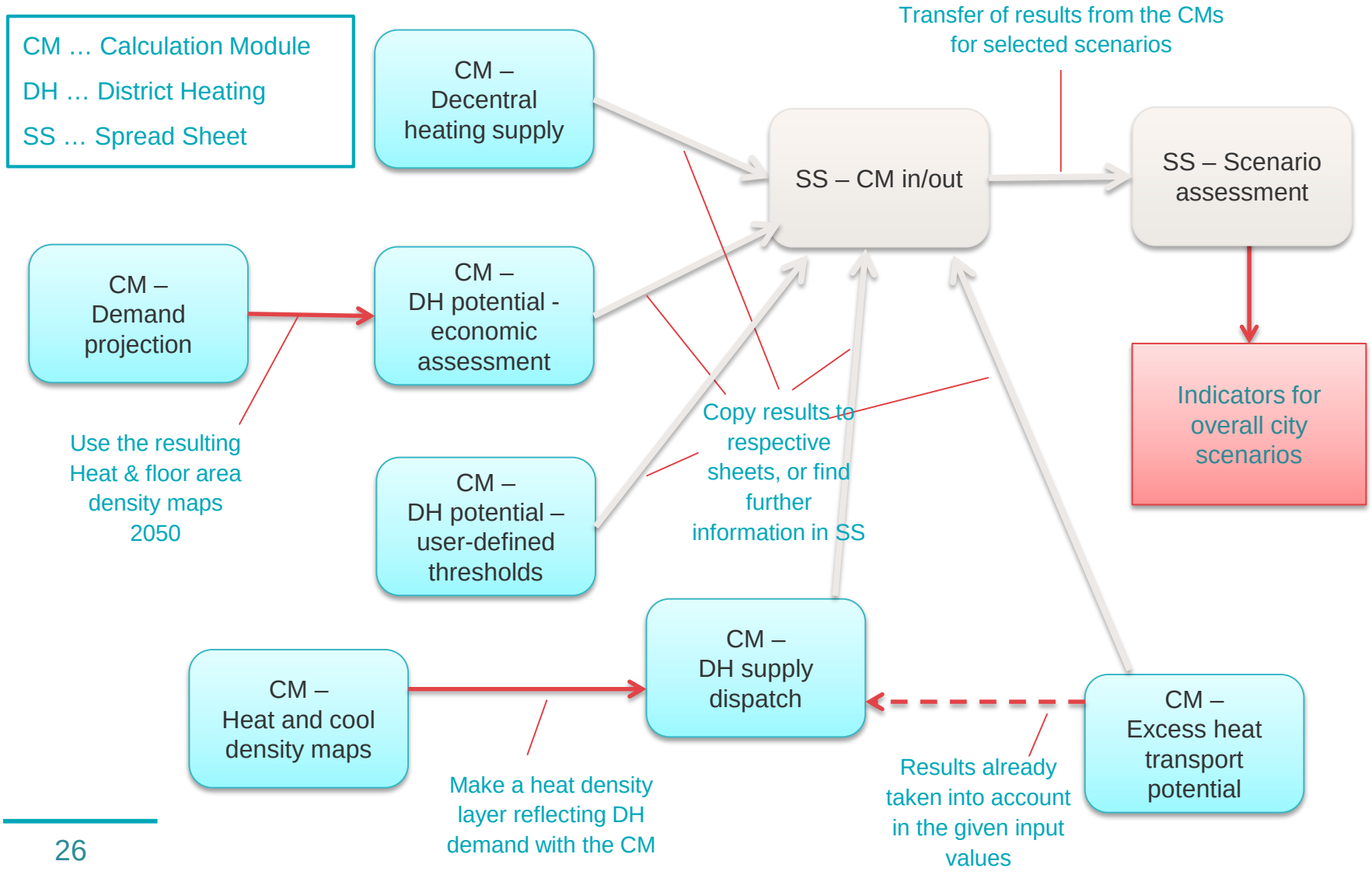


Annex VIII Part III



Exemplary Scenario Toolchain



Explore Hotmaps

- Software: www.hotmaps.eu
- Project: www.hotmaps-project.eu
- Open Source Data: https://gitlab.com/HotMaps
- Open Source Modules: https://github.com/HotMaps
- Wiki: https://wiki.hotmaps.eu
- Guidelines Comprehensive Assessment: https://wiki.hotmaps.eu/en/guide-national-level-comprehensive-assessment-eed

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