



2050

Heat Roadmap Europe

A low-carbon heating and cooling strategy

Demand and Resource Atlases for all 14 MS

Accessing the outputs of D2.1

D2.1

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1. Introduction

In Europe, there is a clear long-term objective to decarbonise the energy system, but it is currently unclear how this will be achieved in the heating and cooling sector. The Heat Roadmap Europe (HRE) project will enable new policies and prepare the ground for new investments by creating more certainty in relation to the changes that are required.

The overall objective in the HRE project is to provide new capacity and skills for lead-users in the heating and cooling sector, including policymakers, industry, and researchers at local, national, and EU level, by developing the data, tools, methodologies, and results necessary to quantify the impact of implementing more energy efficiency measures on both the demand and supply side of the sector.

The aim of WP2 is to map the scale and location of the heating and cooling demands for each of the 14 MSs in the EU28, along with the potential sources of surplus and renewable heating and cooling that could be used to supply these demands. The objective of the Demand and Resource Atlases is to identify and locate, by means of continuous spatial modelling, the distribution of heat demands in the 14 MS which are addressed in HRE¹.

The maps produced in D2.1 represent the first step to enable the other work in WP2 and in being able to facilitate the search for the boundaries between urban and rural areas, the costs of any potential network infrastructure, and future spatial distributions. These are all prerequisites for the work in later tasks and WPs, most notably WP5 and WP6. As the project progresses, the .ppt maps will be integrated and elaborated on as the project will provide feedback loops. The methodologies and assumptions underpinning the Demand and Resource Atlases will be described in full in D2.3.

The maps developed in this study will be maintained on the HRE website until at least 2021, although from 2017 onwards the data and maps will be displayed on a different (integrated and interactive) interface than the one currently described in this document.

¹The 14 countries in HRE are Austria (AT), Belgium (BE), Czech Republic (CZ), Germany (DE), Spain (ES), Finland (FI), France (FR), Hungary (HU), Italy (IT), Netherlands (NL), Poland (PO), Romania (RO) Sweden (SE), and the United Kingdom (UK).

2. Accessing Peta4 α

Due to the size of the files containing the Heat Demand Atlases, they are currently hosted by the HRE website, where they are available for download in .pdf form. To access these, go to <http://heatroadmap.eu/resourcesbycountry.php> and select the country of the desired map. Select "HRE4 - *country* Thermal Atlas (Peta 4. Version 1)" or "HRE4 - *country* Resource Atlas (Peta 4, Version 1)" to download the .pdf file (see figure 1).

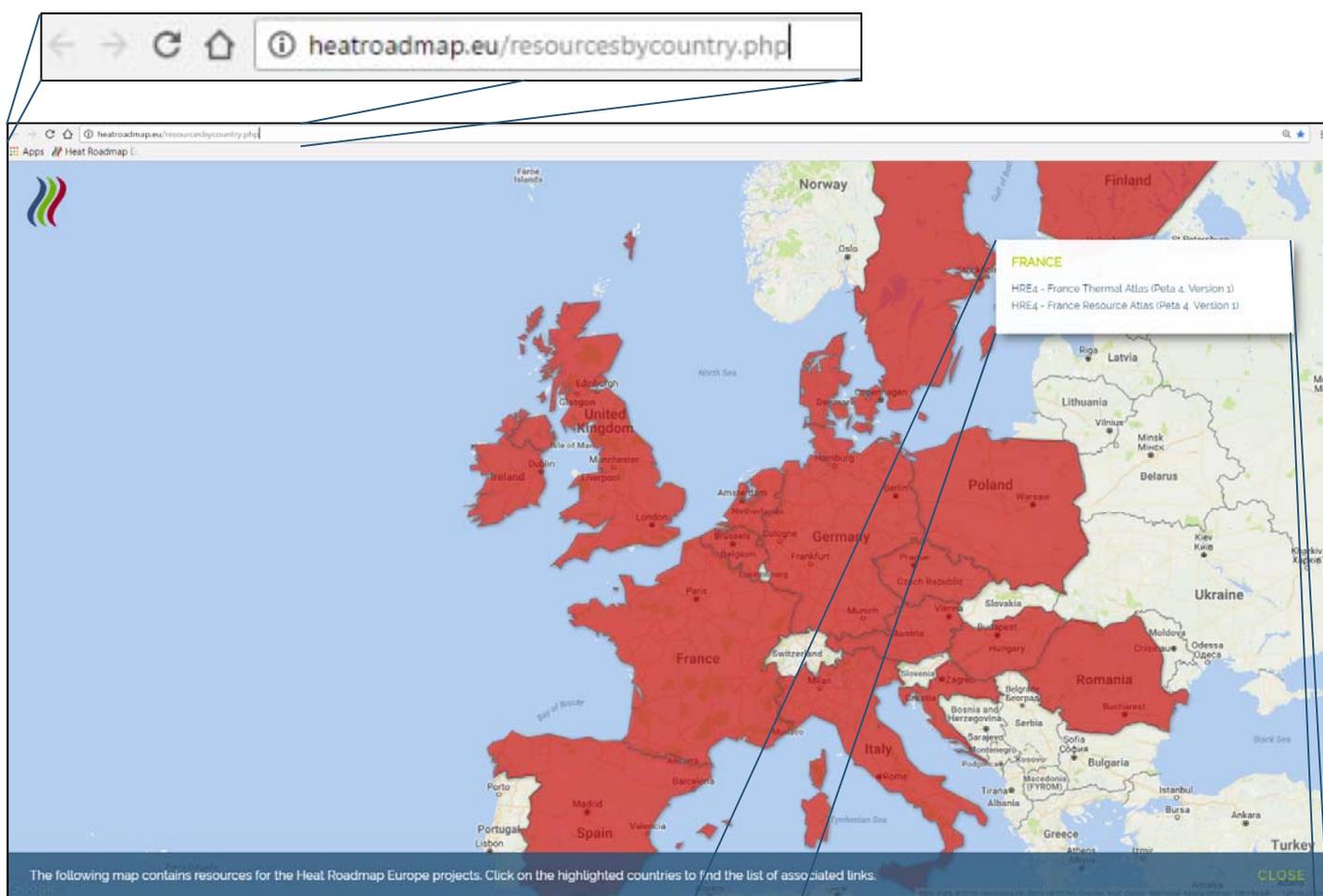


Figure 1: Screenshots of the interface showing how to access the Peta4 α heat demand and resource atlases (D2.1).

