

ENERGY STORAGE

Global Conference

Brussels, 14-16 October 2025

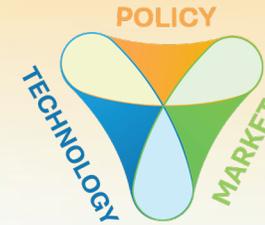
2025



2.2 Keynote speech The European Energy Storage Inventory

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European Commission



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STORAGE**
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European Energy Storage Inventory

- 1 Background
- 2 Description of data
- 3 Website
- 4 Main Results
- 5 News

1. Background



Unit C3:

Smart grids
Distribution system
Market design
Labs (Petten +Ispra)



Cooperation:

Administrative agreement DG
ENER (B4)
JRC data team
JRC Cooperation with D3, C7
and C1
Enabling other researchers

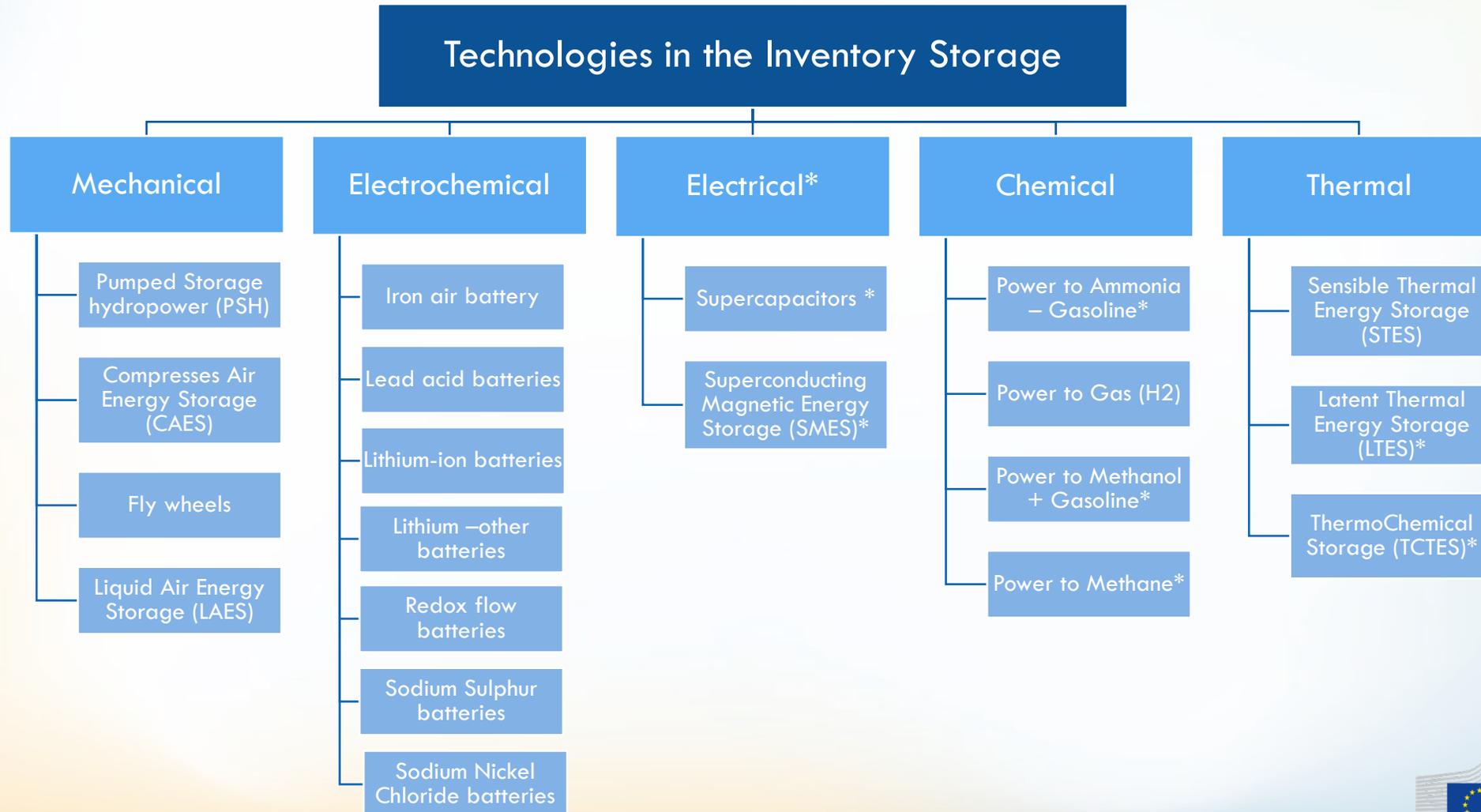


Storage as a crucial topic:

Renewable deployment
Flexibility needs
Security of supply

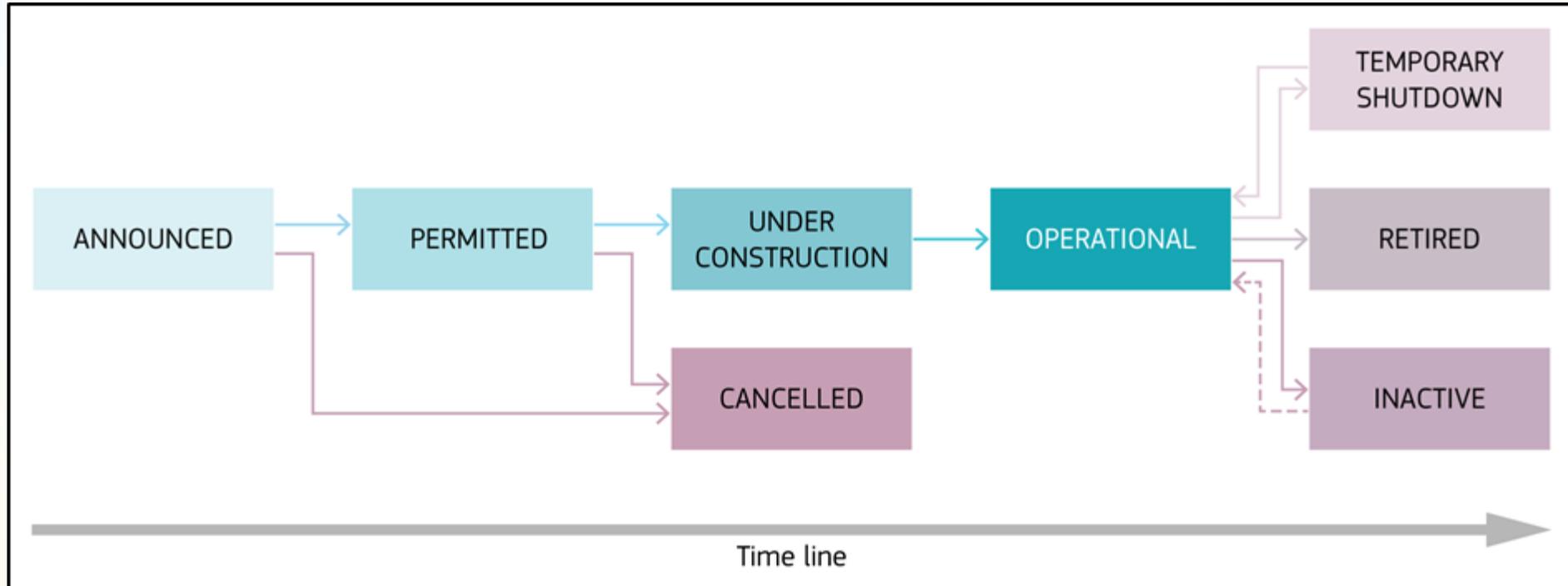
2. Description of data.

Technology/Subtechnology



Description of data.

Status



Expected: announced, permitted and under construction

Consolidation and Countries

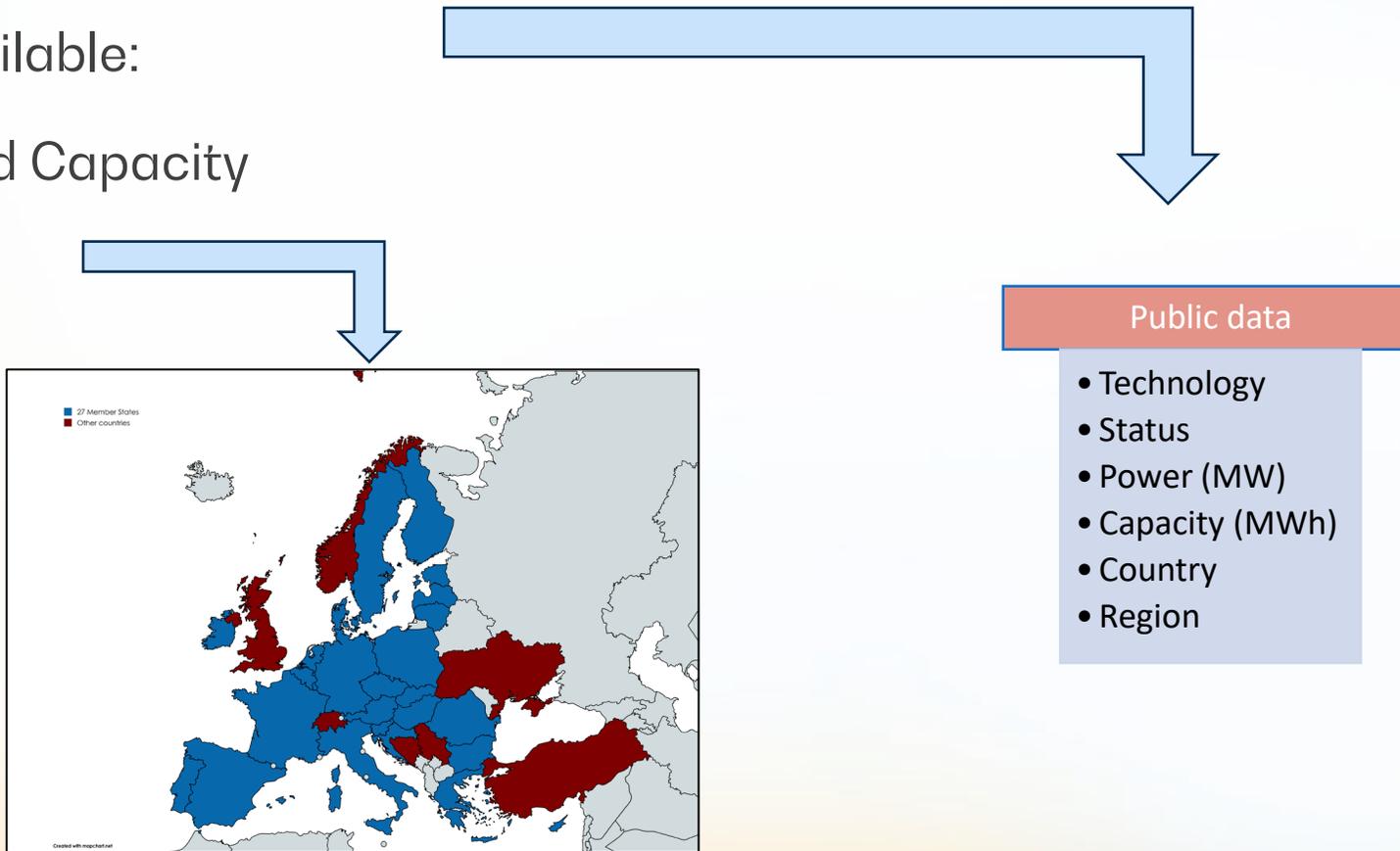
Sources: Wood Mackenzie, IEA, public sources, owners.

In house enhancement of data

Fields available:

Power and Capacity

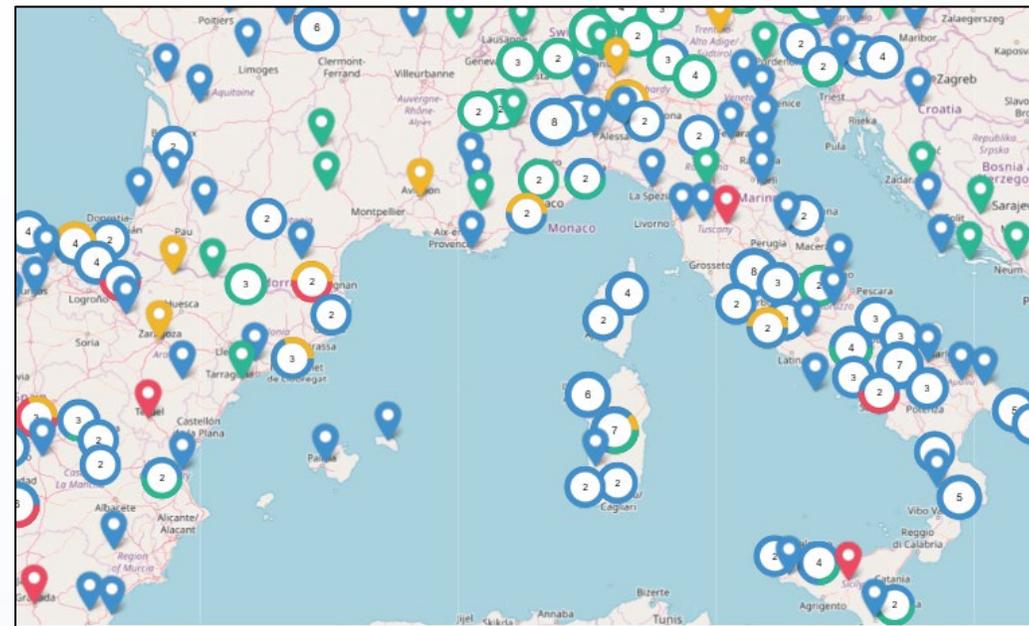
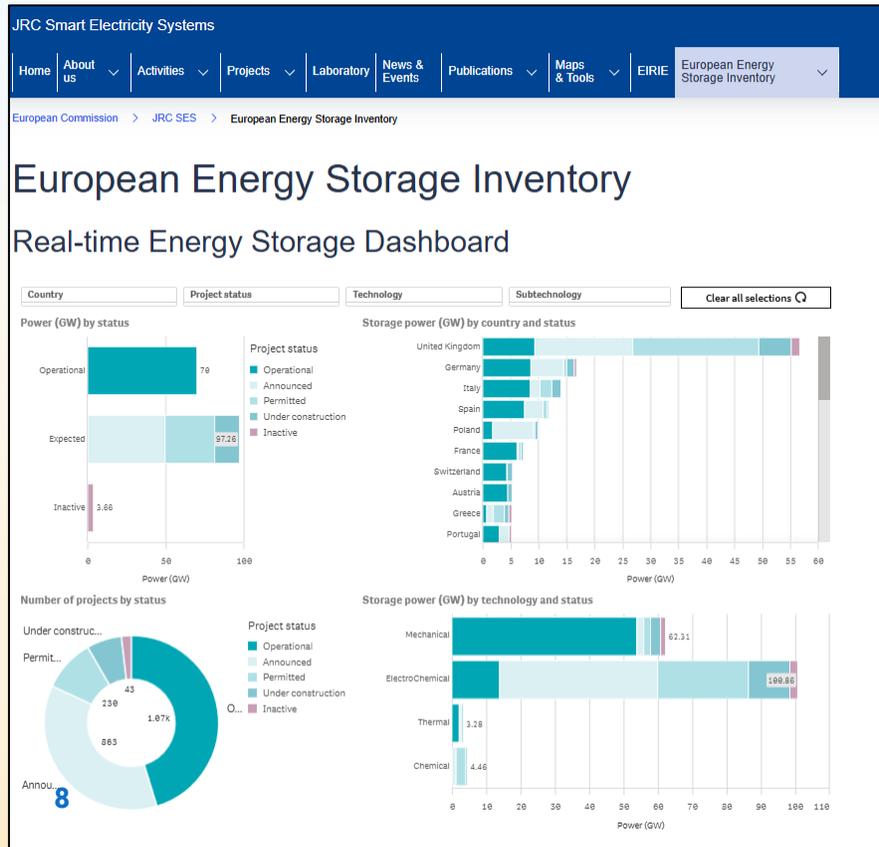
Location



3. Website

Link: <https://ses.jrc.ec.europa.eu/storage-inventory>

- Main sections: Dashboard and Data section
- Interactive, filters



Clicking on the map:

Project: Riso Syslab Redox Flow

STATUS: Operational

★ Power: 0.02 MW

📄 Capacity: 0.12 MWh

🕒 Duration: 6 hours

Technology and subtechnology

ELECTROCHEMICAL | Redox flow batteries Vanadium

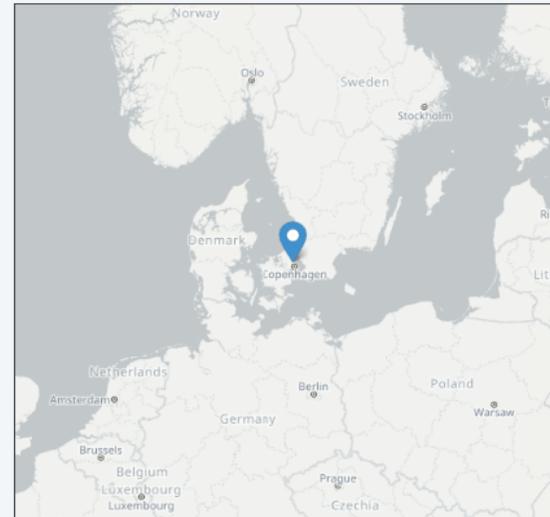
Facility

Country
Denmark

Region
Hovedstaden

Second Level
Denmark

Coordinates (lat,lon):
55.784638 , 12.504610

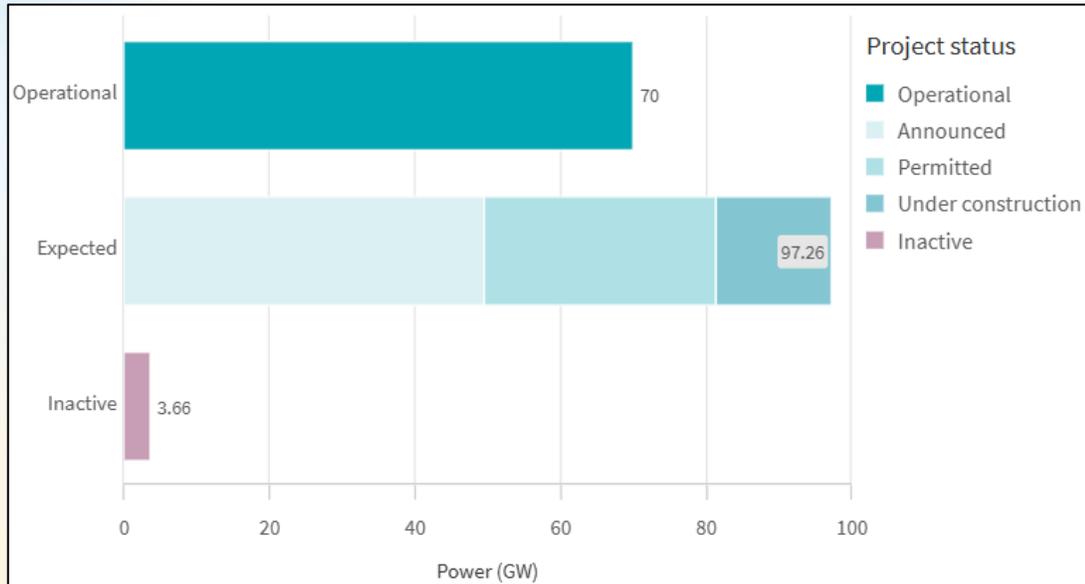


[Webtools](#) + [EC-GISCO](#) + [Leaflet](#) | [OpenStreetMap](#) | [Disclaimer](#)

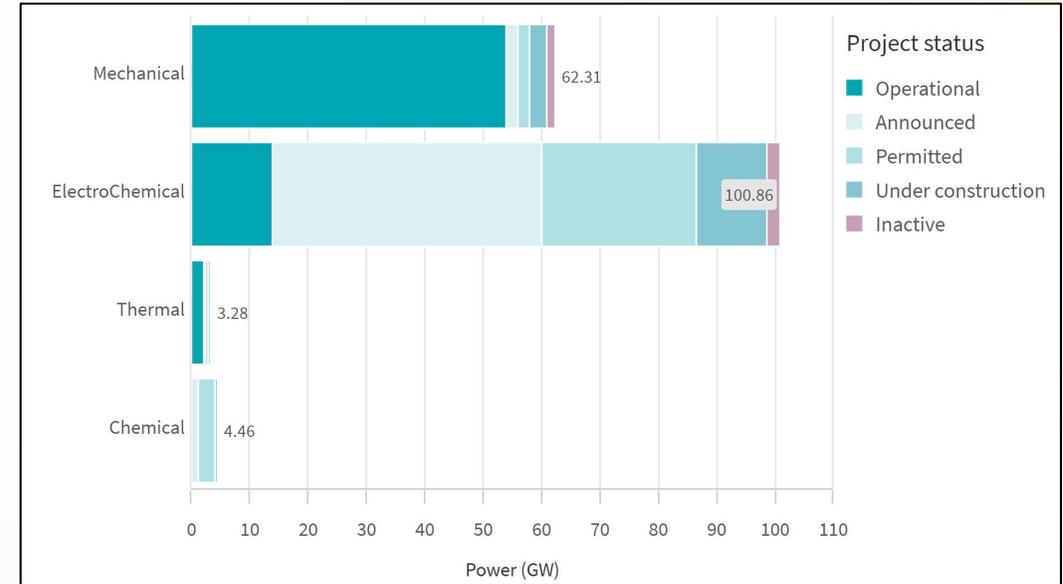
Disclaimer: The information displayed about this project has been obtained from the dataset provided by Wood Mackenzie. Wood Mackenzie Limited, subject to any additional data modifications and/or input provided by the EC or any of its authorised 3rd party contributor.

4. Main results

By status

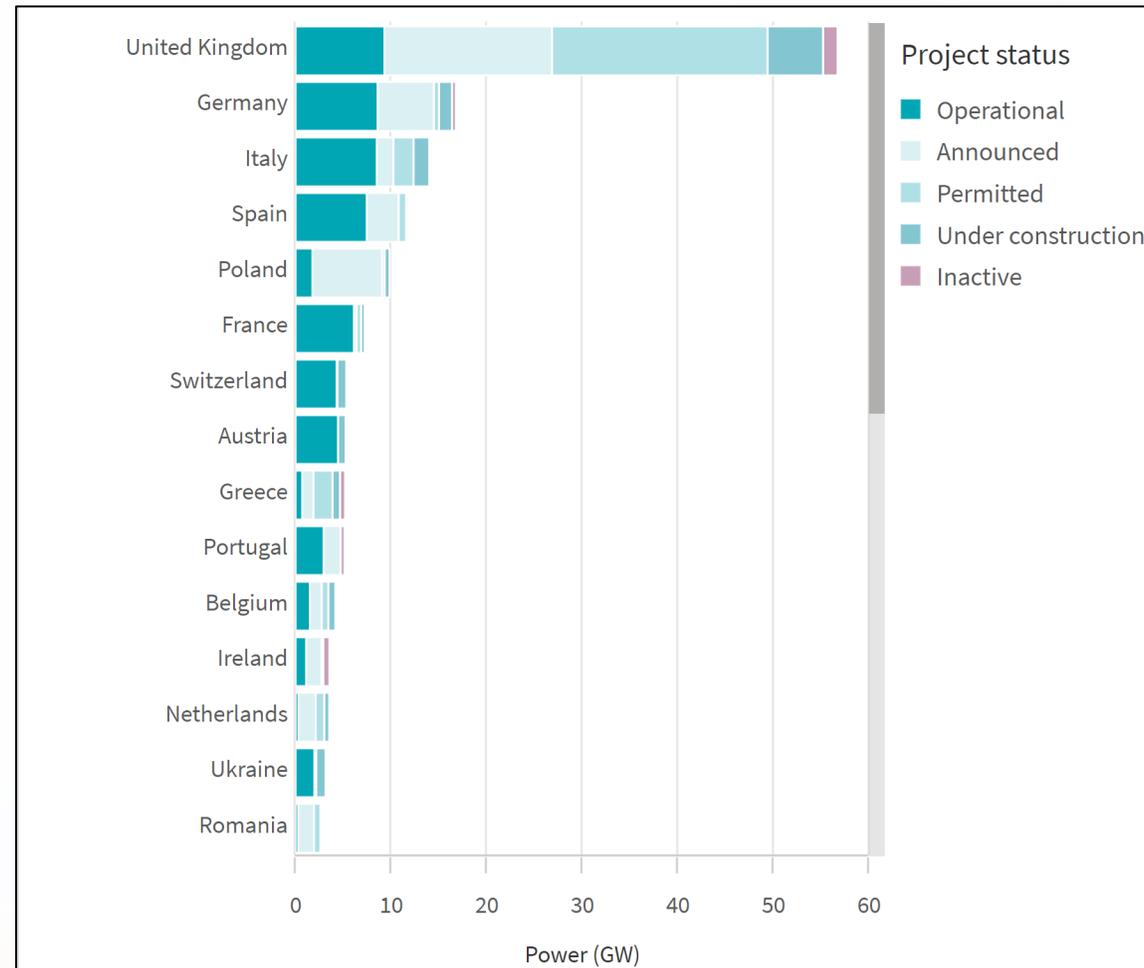


By technology



Main results

By country



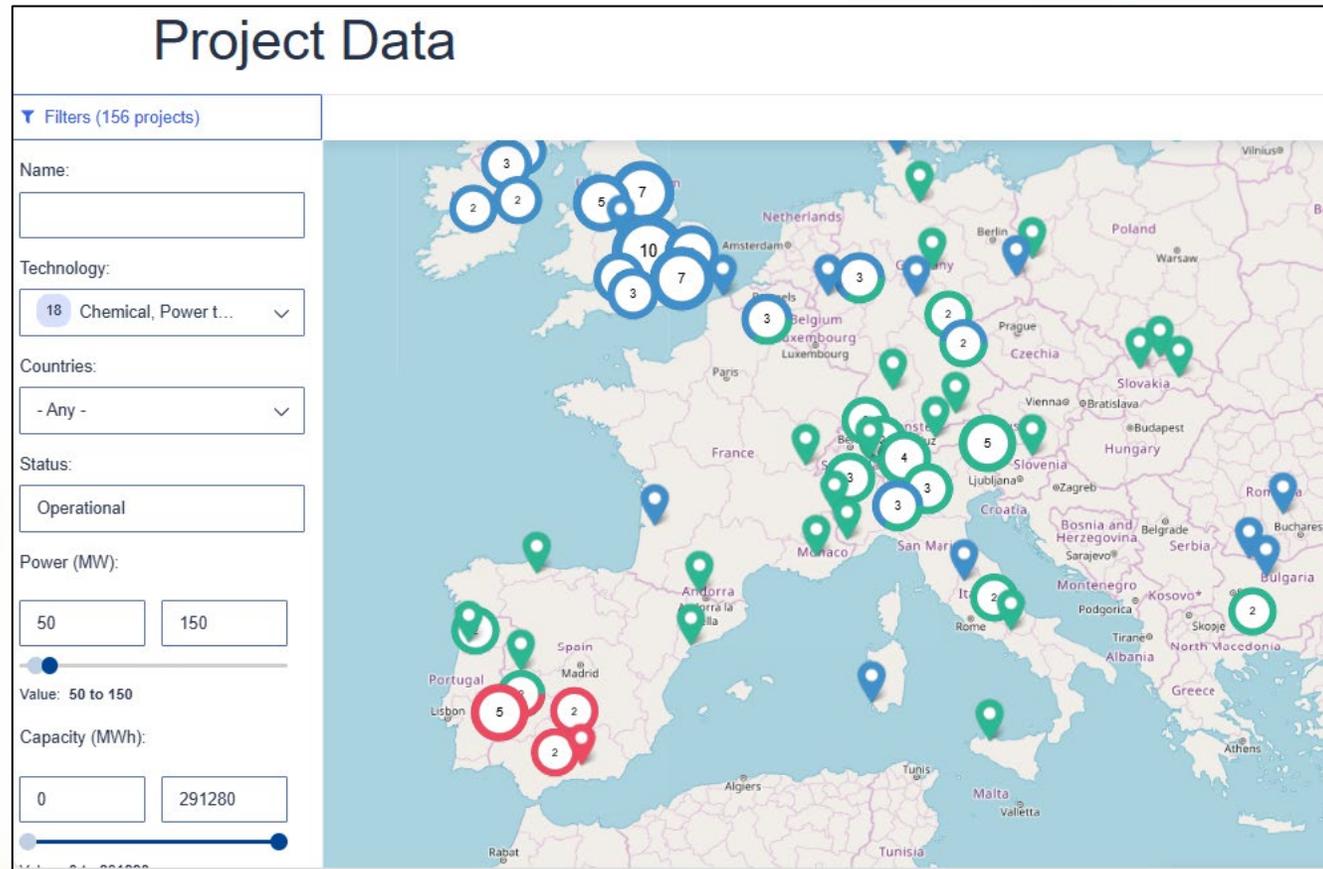
Main results

Let's play with the dashboard; selecting countries, status, technologies



Main results

Let's play with the map, zooming and filtering



5. News



Last release July 2025

Electrochemical increased
Dedicated pages for projects



Developing other reports and deliverables for the project

Reports on the website



Improvement of data

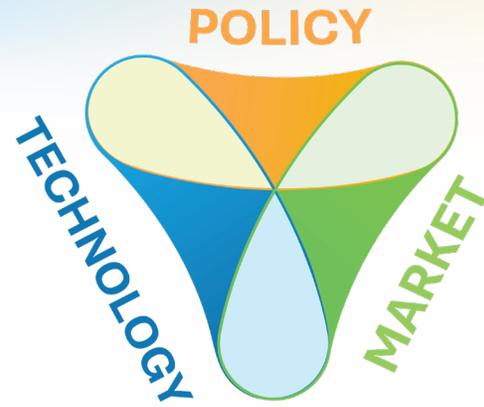
API to automate data retrieval from providers
AI engine to process data
Focused on Thermal projects or some countries



Survey: NEW or MODIFICATIONS

Collecting data from owners/associations/public sources
Keeping the quality of data

AVAILABLE SOON ON THE WEBSITE



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THANK YOU!



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