gasoline, diesel, ethanol, biodiesel, propane, compressed natural gas (CNG), electric batteries

Synergies
Total Energy Density
Efficiencies
District Heating Potential
Heat Demand
REGIONS
Est. Transport Costs

1500
1000
500
0
A   B   C   D

TJ per Km2
0-125
125-250
250-375
375-500

Regional Energy Demand Analysis Portal (REDAP)

Decarbonisation starts with understanding demand.

REDAP enables regional energy stakeholders to better understand their decarbonisation options. The system provides data insights on the profile of consumption across the building and transport sectors, including estimated emissions, expenditure and fuel types. With these data insights, users can 'prospect' for local-level decarbonisation opportunities, including synergies, efficiencies and investment opportunities which may otherwise be overlooked at the centralised planning level.

Use Cases:

REDAP helps decision-makers deliver least-cost, least-friction decarbonisation, incl to:
Guide **Local Government** around policy and regulatory compliance requirements.
Support **Communities** to decarbonise in a prosperous, secure, sustainable manner.
Enable **Industry** to source and supply clean energy using smart, efficient systems.
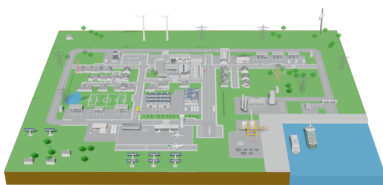
Characteristics, Distribution, Patterns

About:

REDAP consists of high-quality data, technology, and procedural components.
The online, secure, database-driven **System** enables augmented and accelerated analysis.
The **Data** output provides insight into different aspects of consumption across multiple resolutions.
The Built-in **Reporting** capabilities are aligned to what regional actors need to see at various scales.
The proven **Methodologies** collate a range of data sources to ensure transparent modelling workflows.

Principles:

Insights for informed, balanced decision-making

In delivering real-world value and impact, our priority is to ensure that REDAP has a **Clear Purpose**, it **Functions Effectively**, and it is **Trustworthy**.

To do so, the system is designed to adapt to a changing decision-making landscape, to consider the integration of sectors, as well as the rollout of new generation, supply, and storage technologies.

To explore options to have REDAP demonstrated and implemented in your region please contact us at: **www.redap.eu/contact.**