Fact Sheet: Energy & GHG Monitoring

Cities TCP
Decarbonising Cities & Communities

Online tool for tracking urban energy use and emissions in real time

Why use energy and GHG indicators for decarbonization?

To cut energy consumption and greenhouse gas (GHG) emissions, cities must **involve stakeholders** such as local officials, service managers, businesses and residents. **Data is key** to:

- Explaining **energy and emissions challenges**
- Supporting **goal-setting** and action planning
- Meeting **climate reporting** obligations (e.g. Covenant of Mayors)
- Tracking progress on **energy and climate plans**

New approach: Indicators are now **automated** using energy network data– tested by Dijon Métropole and EIFER in the RESPONSE Horizon SCC project.

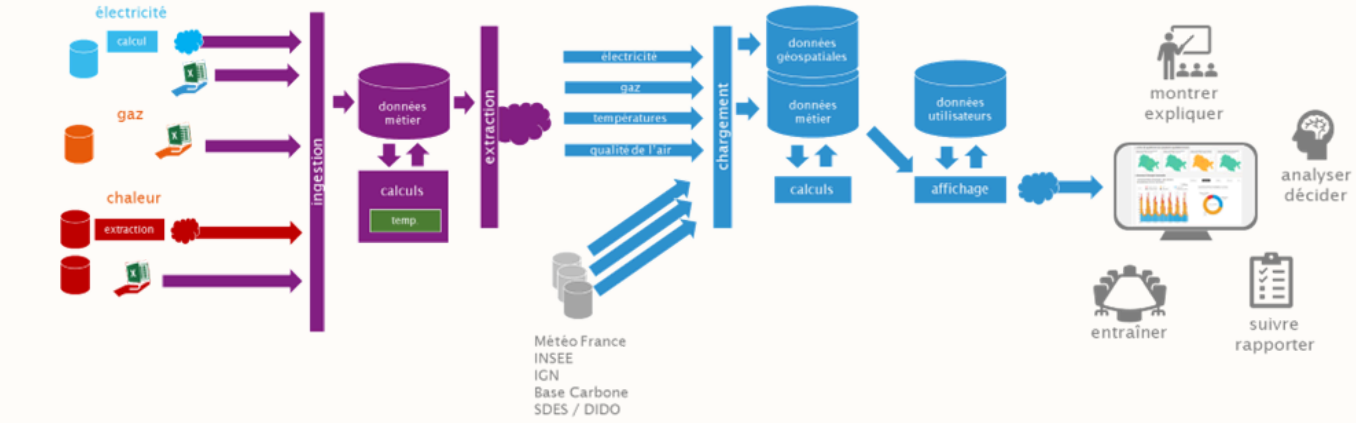

Figure 1: Streams of data between utilities (left) and the citiy (right) (EIFER)

What is needed for online monitoring?

Energy network operators (electricity, gas, heat) already collect usage data. This project developed an information system that:

- Collects **monthly energy use** data in small geographic areas
- Covers **all major energy sources** (fuel, wood, petrol
- Combines network data with estimates for non-network energy sources

This enables **near real-time tracking** of local energy use and emissions.

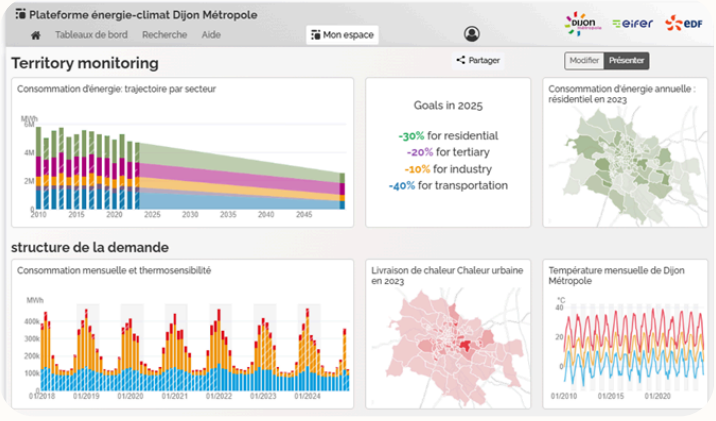

Figure 2: Screenshot of a dashboard (EIFER)

What are the main outcomes?

- Life **GHG and energy indicators** to guide decarbonization
- Better **decision-making** for local climate plans
- Highlights **priority areas** for targeted energy-saving actions

Developer: Dijon Métropole, EIFER, EDF, ENEDIS, GRDF, Coriance, Dalkia; Used in: France

Explore more!

Curious about other models and data we work with in the Cities TCP? Explore more fact sheets via this link!

Further information

S. Thiriot et al. « Quels indicateurs pour suivre et animer un PCAET? Retour d'expérience d'un projet Européen », Netcom, 39-3/4 | 2025
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