Long-Term Energy Planning for Carbone Neutrality in EU Cities and Regions

The experience in the Auvergne-Rhône-Alpes region

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National low carbon strategy 2 (SNBC – Dec 2018): from factor 4 to carbon neutrality by 2050
Low carbon strategy at the regional level

Priorities at regional/local level:

❖ Regional scheme for spatial planning, sustainable development and equality between regions (SRADDET) -> compulsory

❖ Sustainable Energy-Climate-Air Quality action plans (SECAP 2030) -> compulsory for local authorities more than 20,000 of inhab.

❖ Positive Energy Territories (TEPOS 2050) -> voluntary approach
TEPOS-CV de la région Auvergne-Rhône-Alpes

Date de réalisation : Décembre 2019
Limites communales : ADMIN EXPRESS (IGN) 2019

Une démarche animée par la communauté de travail TEPOS-CV d’Auvergne-Rhône-Alpes
Key figures

8,000,000 inhab.

Energy consumption: 43%
GHG emissions: 25%
Households: 3 millions

Energy consumption: 34%
GHG emissions: 35%
In increase since 2005

Energy consumption: 21%
GHG emissions: 23%

Temperatures: +2°C since 60 years
Days of frost: -20 in 60 years
Quantity of snow: -40 cm in 30 years
Chronic water deficit: 40% of territories

Source: Regional climate energy and air quality observatory (ORCAE) - 2019
Advanced tool for climate and energy planning monitoring:

- TerriSTORY®: a web based tool for decision making at regional and local level,
  - Integrating energy, climate, resources, economic data
  - Mapping and GIS tool
  - Free – collaborative open source

https://terristory.fr/
Understand territorial trends
❖ Analyse resource reserves and flows via an interactive interface

Design a prospective vision of a territory:
❖ Analyse the socio-economic and environmental impacts of your Sustainable Energy and Climate Action Plans and follow-up with scenarios
Putting Regions on Track for Carbon Neutrality by 2050

Thank you!

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