

Carbon neutral Europe by 2050?

Enerdata supports the Ministry for the Ecological and Inclusive Transition in the "EU 2050 Scenarios" project

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➤ **The European Commission is preparing a new long-term Energy-Climate framework**

In the run-up to the 2019 European elections, the Commission plans to publish a 2050 energy roadmap proposal by the end of 2018. While the previous one (2011) aimed at reducing greenhouse gas emissions by 80-95% compared to 1990, the new framework could target carbon neutrality by mid-century.

➤ **The Ministry for the Ecological and Inclusive Transition (MTES in French) launches the "EU 2050 Scenarios" study**

In parallel to the European calendar, France aims to state its position on the climate ambition's level to be adopted at European level. Given the uncertainties and the number of challenges related to the European energy and climate policy, the Directorate General of Energy and Climate (DGEC) has just launched the "EU 2050 Scenarios" study to prepare a robust analysis of several quantified scenarios for carbon neutrality at EU level in 2050.

➤ **Enerdata leads the consortium selected for this study**

Enerdata leads the group of partners selected by the MTES to carry out this multi-sectoral study.

[Enerdata](#) brings in particular its experience and expertise on energy-climate scenarios building, notably through the use of the [POLES model](#).

[Solagro](#) gathers experts from the agriculture and energy sectors, who will help answer questions and challenges related to food, land use and agriculture, thanks to the MOSUT model.

[Seureco-Erasme](#), specialized in economic modelling (NEMESIS model) and analysis, will focus on the macroeconomic impacts of the scenarios studied.

➤ **A "Net Zero Emission" target in the European Union?**

The study will encompass all sectors and all greenhouse gases and allow to assess whether and under which conditions a "Net Zero Emission" objective for 2050 is possible at European Union level.

Key points of modelling and analysis are:

- Assessment of food uses and land use policies - potential for capture by anthropogenic sinks
- Assessment of the burden sharing between countries and sectors
- Role of the international environment, the level of climate ambition in the world and its consequences on the adoption of low-carbon technologies
- Interactions between renewable and energy efficiency objectives in a low-carbon Europe
- Consequences on employment, sectoral investments, industrial production and economic growth

The project should provide its finding by spring 2019.

For Pascal CHARRIAU, President of Enerdata, “it is essential that the European Union develops an ambitious roadmap to accelerate progress and contribute to the implementation of the Paris Agreement. We are highly motivated to help the MTES build scenarios to contribute to the preparation of this roadmap.

Our current experience with a Net Zero Emission project for France will be very useful and developing the approach at European level is an important step. »

Press Contact

Nathalie BELLIA

+33 (0)4 76 41 43 62

nathalie.bellia@enerdata.net

Project Contact

Sylvain CAIL

sylvain.cail@enerdata.net

About Enerdata

Enerdata is an independent research and consulting firm specialising in the analysis and modelling of the global energy markets and its drivers. Created in 1991, Enerdata now has over 25 years of experience on past and present issues shaping the energy industry.

Our teams are made up of energy experts, analysts, engineers and IT specialists. Capitalising on its databases and forecasting models, Enerdata brings its expertise to cover the political, economic and environmental aspects of energy systems.



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