



# Enerdata Consulting Services

Energy Markets Insights and Analytics

# Enerdata is a consultancy dedicated to global energy intelligence and analytics

- A private and independent company since 1991, Enerdata advises international organisations, governments, oil and gas companies, utilities, industrials and original equipment manufacturers on key energy matters such as:
  - Energy supply & demand,
  - Energy efficiency,
  - Technology developments,
  - Energy and climate change policy scenarios.
- Our advisory services include market research and forecasts, energy & climate scenarios as well as policy recommendations on energy demand & energy efficiency.
- The work we do for our clients relies on strong modelling and analytics. We have developed and refined proprietary models such as POLES (world energy model) or MEDPRO (energy demand forecasting). We are also able to develop ad hoc models tailored to our client's needs.
- Highly complementary with its modelling capabilities, Enerdata maintains one of the world's most comprehensive energy databases which covers all key energy commodities, products and carbon markets for up to 185 countries.
- Enerdata's workforce includes 25 engineers, economists, statisticians and analysts.

# Overview of Enerdata's Consulting Services

## Market Research & Advisory Services

- Market intelligence
- Market entry research
- Market segmentation and forecasts
- Strategic support to investment decision
- Gas contracts price reviews
- Pricing models in regulated markets
- Bespoke energy modelling solutions (bottom-up energy demand, load forecasting, gas & power)
- Economic and financial analysis

## Global Energy & Climate Modelling & Analytics

- Energy and climate outlooks to 2030 and beyond
- Price outlooks and scenarios: oil, gas, coal, power, CO2
- Benchmark of clients' models and scenarios
- Marginal Abatement Cost Curves (MACCs)
- Burden sharing analysis
- Carbon value analysis

## Energy Demand & Efficiency Policy Evaluation

- Quantitative national and regional energy and climate policy scenarios
- Energy and climate policy evaluation
- Energy efficiency policy evaluation
- Evaluation of energy savings potential

# Market Research & Advisory Services: selected references

## **World leader in power generation equipment**

*Market study*

Assessment of the world market potential for the use of biomass in power plants

## **Leading LNG supplier**

*Expert market review*

Detailed review of the French gas market and calculation of gas market replacement value indicators for each demand sector

## **European industrial autoproducer**

*Fuel price review and long term outlook*

Energy prices outlook to support investment decision in new power generation unit

## **World leader in supply of commodities and raw materials**

*Market study*

Assessment of several Balkan power markets to support investment decision in a new aluminium plant

## **European Commission- IPTS Seville**

*Market study and policy recommendations*

Interview of key market players and evaluation of European R&D policies in key renewable technologies (wind, solar PV and CSP)

## **Leading European Power Utility**

*Demand modelling and Forecasting*

Development of a model to forecast electricity demand and load curves in 5 insular energy systems in support to grid and power generation investments

## **French Prime Minister**

*Strategic review of the French nuclear industry*

Economic and financial modelling of the costs of nuclear, hydro and thermal generation technologies to 2050 for the "Charpin-Dessus-Pelat" report

## **New Caledonian Energy and Mining Authority**

*Expert market review*

- Expert review of the methodology used to determine gasoline and diesel retail prices in New Caledonia
- Development of an electricity pricing model

# Global Energy and Climate Modelling & Analytics: selected references

## **Leading European Oil and Gas company**

*Energy scenarios and outlooks*

2050 Global Energy Outlook including analyses of climate policies, future oil prices, future role of natural gas in transportation, future role of nuclear, CCS, solar PV...

## **Leading German Utility**

*Long term European power and gas model*

The model is used by the Corporate Strategy Group to forecast the demand and supply of power and gas in key demand sectors in 33 European countries up to 2040

## **Leading European Oil and Gas company**

*Oil & Gas energy scenarios*

2030 Global energy scenarios with a focus on international oil and gas markets

## **Leading French Utility**

*Energy scenarios and outlooks*

2020-2030 world and European energy scenarios with a focus on power generation

## **Danish Energy Agency**

*Burden sharing analysis*

Development of a carbon market simulation tool based on marginal abatement cost curves to support real-time evaluation of burden sharing proposals in COP15 (by country and sector up to 2050)

## **DECC - UK Department of Energy and Climate Change**

*Marginal abatement cost curves*

Development of a set of Marginal Abatement Cost Curves for 50 countries and 15 sectors according to 3 different scenarios in 2010, 2020 and 2030

## **World Energy Council (WEC)**

*Energy scenarios and outlooks*

World energy forecasts and scenarios by world region (Asia, Europe, North America, South America, Middle East)

## **European Commission**

*Technology outlook and scenarios*

WETO-H2 2050 report: World Energy, Technology and Climate Change Outlook

# Energy Demand & Efficiency Policy Evaluation: selected references

## **European Commission (Energy Directorate)**

*Energy demand forecasts*

Energy demand analysis and forecasts for the 15 largest European countries

## **World Energy Council (WEC)**

*Policy recommendations*

Report on energy efficiency monitoring at world level - 4 reports between 2000 and 2010

## **French Ministry of Energy & Environment**

*Energy and climate scenarios*

On several occasions, Enerdata has developed detailed energy and emissions forecasts to support the definition of the French Energy and Climate Plan

## **European Commission**

*Advisory service*

Monitoring of the EU Directive on Energy Efficiency and Energy Services

## **European Commission (Intelligent Energy Europe)**

*Energy efficiency Indicators in Europe*

Development of the ODYSSEE database on energy efficiency indicators for all EU countries, Norway and Croatia

## **World leader in power and automation technologies**

*Energy Efficiency Indicators*

Development of a web database on energy demand indicators and 45 Energy Efficiency country profiles for a (2010-2011)

## **Governments of 5 Maghreb countries**

*Strategic policy review*

Energy demand forecasts and long-term energy efficiency strategies for Algeria, Libya, Mauritania, Morocco and Tunisia

## **European Commission and French Environmental Agency (ADEME)**

*Energy efficiency*

Analysis of energy efficiency trends and policies in the EU 27 in key sectors: residential, services, industry and transportation



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global energy intelligence

[www.enerdata.net](http://www.enerdata.net)

**Contact:**

Nicolas Brizard  
Director of Studies

[nicolas.brizard@enerdata.net](mailto:nicolas.brizard@enerdata.net)

**Enerdata**

47 av. Alsace Lorraine  
38000 Grenoble  
France

Tel: +33 4 76 42 25 46

Fax: +33 4 76 51 61 45