Probabilistic Long-term Assessment of New Energy Technology Scenarios

Fact Sheet

Project Information

PLANETS
Grant agreement ID: 211859
Status
Closed project
Start date
1 January 2008
End date
30 June 2010

Funded under
FP7-ENERGY
Overall budget
€ 1 927 049,80
EU contribution
€ 1 541 673,60

Coordinated by
FONDAZIONE ENI ENRICO MATTEI
Italy

This project is featured in...

RESEARCH*EU MAGAZINE
Health and ageing: new therapies and technologies to improve well-being

Objective

The goal of PLANETS is to devise robust scenarios for the evolution of energy
technologies in the next 50 years. This is achieved by means of an ensemble of quantitative and analytical tools that are designed to foresee the best technological hedging policy in response to future environmental and energy policies. Focused technological assessments will provide the necessary guidance for technology availability and competitiveness. Given the long term nature of the analysis, not to mention the many uncertainties surrounding the natural, technological and socio-economic determinants, the scenarios development will be accompanied by probabilistic and stochastic modelling analysis to quantify the most determinant sensitivities. To this purpose, a suite of state-of-the-art energy-economy-climate models will be brought together. The model portfolio spans varieties of regional coverage, technological detail and economic interrelations. Dedicated integrated assessments will explore the technological options that are most likely to play a role over the time horizon under investigation, and the critical issues that are needed for their competitive deployment. PLANETS will research the future of energy systems by examining environmental and energy policies at the European and global level in their capacity to influence the deployment of new technologies with respect to a mutually agreed Business-As-Usual scenario. This project will also analyse the linkage between European and world perspectives of energy technology futures and forecasts, in particular in terms of issues like economic competitiveness and the capacity to export clean technology adoption. Finally, PLANETS will aim to broadly disseminate EU energy technology futures, by setting up an informative scenarios website and acquainting a large number of stakeholders – from science, industry, government and so forth – with peer-reviewed publications and a final general-audience conference.

**Programme(s)**

**Topic(s)**

**Call for proposal**

FP7-ENERGY-2007-1-RTD

**Funding Scheme**

CP-FP - Small or medium-scale focused research project

**Coordinator**

FONDAZIONE ENI ENRICO MATTEI

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<tr>
<th>Address</th>
<th>Activity type</th>
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<td>Corso Magenta 63</td>
<td>Research Organisations</td>
<td>€ 370 432</td>
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Participants (8)

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