



2013-IPR-F-30-000-1767

Modelling the interaction between the EU energy policy goals and the deployment of hydrogen technologies

<p>Position for:</p> <p>CATEGORY 30</p>	<p>The Energy Systems Evaluation Unit of the Institute for Energy and Transport, comprising about 30 staff, supports the development, implementation and monitoring of the EU's Energy Technology Policy – a key pillar for the integrated Energy and Climate Change Policy for Europe -, through techno-economic assessments and modelling.</p> <p>The Grantholder will contribute to developing, utilising, calibrating and testing the energy system based JRC-TIMES-EU model and a Power Market model as well as support the development of scenarios and analysis of the techno-economic aspects of the related modelling activity. This will include extensions to the JRC-TMES-EU model and Power Market model for improving the modelling of hydrogen production pathways, infrastructure for the transport and storage of hydrogen or syngas originating from RES-E power or other sources. The work will be carried out in close collaboration with colleagues within the Institute. The preparation of reports and scientific publications are an integral part of the required tasks. It also involves contacts within and outside the Commission.</p> <p>Qualifications:</p> <p>The ideal candidate should have a Ph.D. in energy related Engineering or Science or a minimum of 5 years of research experience after the first university degree giving access to doctoral studies. Prior knowledge in modelling of energy technologies and the power sector in the context of energy system or power market models is required. Knowledge of programming languages such as GAMS is advantageous.</p> <p>We look for a person with strong interest on energy issues, who will have a good aptitude of taking initiative, developing new concepts and be a strong team player. This fellowship offers a number of varied and interesting tasks in a friendly and well integrated Unit to a motivated, flexible and reliable colleague.</p> <p>Good command of English is required. Good drafting skills, particularly in English, supported by a publications list are essential.</p>
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Institute Unit Action	Institute for Energy and Transport Energy Systems Evaluation Energy Systems Technology Modelling (SYSTEM) Further information: http://iet.jrc.ec.europa.eu/
Indicative duration	36 months
Preferred starting date	ASAP
JRC Site Country	Ispra Italy
Rules	Grantholders: http://ec.europa.eu/dgs/jrc/downloads/jrc_granholder_rules.pdf