



2013-IPR-F-30-000-1766

**Modelling the interaction between the
deployment of electro-mobility and the EU
energy/ transport policy goals**

<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 further developing, utilising, calibrating and maintaining JRC inhouse available models that analyse the prospects and impacts of electro-mobility deployment in Europe. She/he will support the development of scenarios and analyses of the techno-economic aspects of the related modelling activity. He/she will support the development of a methodology and related tools to monitor and assess the energy and fuel use as well as the impact of CO2 emissions and costs related to the use of various kinds of electric vehicles in Europe. The successful candidate should have the ability to liaise with various groups working on the issue at the JRC and incorporate their models into the final tool. The preparation of reports and scientific publications are an integral part of the required tasks. It involves contacts within and outside the Commission</p> <p>Qualifications:</p> <p>The ideal candidate should have a Ph.D. in energy or transport 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 transport technologies and the transport sector in the context of transport system models is required. Knowledge of computer programming concepts and common programming languages is advantageous.</p> <p>We look for a person with strong interest on energy/ transport 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</p>
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	drafting skills, particularly in English, supported by a publications list are essential.
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	September 2013
JRC Site	Ispra
Country	Italy
Rules	Grantholders: http://ec.europa.eu/dgs/jrc/downloads/jrc_grantholder_rules.pdf