



A 2,5 year position is opened for a young scientist at the Laboratoire des Sciences du Climat et de l'Environnement (LSCE), located near Paris

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## Development of the new ICOS atmospheric station

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ICOS is a new strategic research infrastructure to quantify the greenhouse gas balance of Europe and adjacent regions. It consists of a **harmonized network** of ecosystem long-term observation sites, a network of atmospheric greenhouse gas concentration sites and a network of ocean observations. The networks will be coordinated through a set of central facilities, including an **atmospheric and an ecosystem thematic center, a central data center, an analytical lab and an oceanic thematic center.**

ICOS will provide the essential **long-term observations** required to understand the present state and predict future behaviour of the global carbon cycle and greenhouse gas emissions. Standardized network will improved access to data and enable the development of flux products for research and political application. ICOS will be a state-of-the-art facility for the European research community.

ICOS is currently in its preparatory phase funded by the EU until May 2012 under FP7. During this phase, LSCE which is coordinating the whole project, has in particular the responsibility to construct and demonstrate the prototype of the ICOS atmospheric station that will be deployed in the infrastructure network in the construction phase.

The proposed position includes the following responsibilities:

- Development and set up of the integrated atmospheric station ICOS
- Choice of the instruments (in coll)
- Set up the testing protocol (in coll.)
- Coordinate, follow up and participate to the instrument tests
- In charge of the coordination of the station integration at the international level
- In charge of the writing and set up of the specifications for the construction of the prototype of the integrated station
- In charge of the budget associated with the instrumentation
- Organise scientific and technical meetings and workshop
- Produce progress reports
- Scientific and technical communication on ICOS and the atmospheric station

The work will be carried out at the LSCE, in RAMCES team of LSCE (leader: Michel Ramonet). Salary is commensurate with experience, and includes full social and health benefits.

**Skills required:** Data analysis and atmospheric transport modelling.

**Start date:** fall 2009 duration 2,5 years

The laboratory LSCE: A leading European institute for the measurement and modelling of global biogeochemical cycles and climate. It consists of approximately 250 scientists and support staff. It is part of the French IPSL consortium of laboratories in the Paris region.

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