Postdoc position in carbon-climate modelling at LSCE

The LSCE is a stimulating research laboratory near Paris with ~300 scientists, engineers, technicians, postdocs and PhD students working on environmental and climate issues (https://www.lsce.ipsl.fr/en/index.php). It is a unique place to do research on climate and carbon topics, with experts on past, present and future climates, working both with data and numerical models.

The LSCE is offering a postdoc position as part of a new CNRS project to understand how large sea level variations affect the carbon cycle. Today, coastal oceans take up part of the CO_2 from anthropogenic emissions, constituting a carbon sink, and attenuating the atmospheric CO_2 rise. But the coastal oceans undergo drastic modifications during major sea level changes of several tens of meters such as during the last deglaciation which started ~18,000 years ago. This project aims at understanding how the coastal carbon cycle is modified during these large sea level changes, to assess the status of the coastal oceans as carbon sinks or sources in the past by confronting model runs to paleoceanographic data.

We are seeking a dynamic and motivated researcher to join the project team constituted of modellers and experts of the carbon in the coastal zone. The postdoc will further develop an intermediate complexity climate-carbon model to include submarine canyons, the shelf-to-open ocean exchange and their effect on the carbon cycle, run simulations in present and past periods such as the last deglaciation, and analyse them in comparison with existing data.

The post-doc will join the CLIM (climate modelling) team and is expected to actively contribute to the bi-monthly team meetings. He/she will also benefit from the numerous scientific seminars organised weekly at LSCE. Project meetings with all participants will be held once a year.

The position is funded for 2 years by the CNRS, and will start in October 2019. Remuneration is commensurate to experience following the CNRS rate (between 2100€/month and 2900€/month net).

Requirements

- PhD in climate, environment or closely related field
- Good computer programming skills
- Good written and oral communication skills, and the ability to work in a team as well as independently

Optional

- Knowledge of Fortran and python programming languages
- Knowledge of the carbon cycle
- Experience in running numerical climate models

To apply, go to: https://emploi.cnrs.fr/Offres/CDD/UMR8212-NATBOU-001/Default.aspx?lang=EN

The closing date for applications will be 23:59 on Saturday 15th June 2019.

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