

Position: 2 Year PostDoc “Marine Ecosystem Models Intercomparison Project MAREMIP” (Gif Sur Yvette, France)

Date Posted: 30 April 2010

Application Deadline: 31 August 2010

Start Date: 01 January 2011

Salary: n/a Euros per annum

Country: France

Position Type: MSc / PhD Position

Duration: 2 Years

Category: Other

Work Authorisation: Employee must be authorised to work in the EU

Languages: English

Language Level: Excellent

Working Hours: n/a

Link to More Info: www.greencycles.org

Description: A two year postdoctoral position is available at the Laboratoire des Sciences du Climat et de l'Environnement (LSCE / IPSL) in Gif sur Yvette, France, in the field of global marine biogeochemistry, starting January 2011. The position is part of the European Marie Curie Initial Training Network GreenCycles II (www.greencycles.org) and involves collaboration with the leading European research centres on earth system interactions.

Marine phytoplankton is a key element of the climate system through its control on the ocean biological carbon pump. It is also the first component of marine food chains and hence exerts a strong control on the availability of marine resources. In an effort to improve the representation of marine ecosystems, ocean biogeochemistry models have evolved to include a growing number of organisms aggregated according to their functionality into "Plankton Functional Types" (PFTs). Such models now called Dynamic Green Ocean Models (DGOMs) open up new and exciting avenues of research to explore interactions between marine ecosystems and climate change on various time scales. MAREMIP will be a highly crosscutting activity drawing on data and expertise from across GCII and will utilise a common methodology developed in close collaboration with T3.1 ("TERREMIP"). Model evaluation will target the marine components of models used by network partners and will exploit data from coupled GCM simulations submitted to the IPCC AR5 multimodel database.

Review of the applications will begin 31 August, 2010, and continue until the position is filled. Interested candidates should send a CV, a half page statement of interest, and the names of two referees to L. Bopp, by email (Laurent.Bopp@sce.ipsl.fr) or by post (LSCE, CE Saclay, Bat712, F91191 Gif s/ Yvette, France). Further questions should be addressed directly to Laurent Bopp (Laurent.Bopp@lsce.ipsl.fr).

Other Benefits:

Other Requirements: We are seeking a highly motivated candidate to spearhead these activities within the Marine Biogeochemistry and Climate Modelling group at LSCE. The successful candidate is expected to interact with the research groups at UEA (Norwich, UK) and ETH (Zurich, Switzerland), as well as with the MetOffice Hadley Centre group (Exeter, UK) and will actively participate in network wide workshops and training events. We invite candidates with background and interest in ocean biogeochemical cycles to apply. Experience in numerical modeling and/or model/data comparison would be an advantage. Researchers holding a PhD are eligible for this GreenCycles Post Doc

within their first five years of their career (including the time taken to obtain the PhD). At the start of their fellowship, researchers may not have resided or carried out their main activity (work, studies, etc) in France for more than 12 months in the preceding 3 years. French nationals are eligible only if they have been active in research in a Third Country for at least three of the last four years. Payment will be according to Marie Curie rules (<http://ec.europa.eu/research/mariecurieactions/>), including an allowance for transnational travel and mobility.