



Researcher Position in Energy-Climate-Economic Modeling at CIRED

CIRED is looking to recruit a talented and motivated researcher to join its integrated assessment modeling team. The successful candidate will contribute to the team's research on the energy-climate-economy interface and will be in particular involved in a European H2020 project, titled "NAVIGATE".

Researchers in CIRED¹ work in an interdisciplinary environment, publish extensively, interact with colleagues around the world, and provide expertise to public institutions, private companies and international organizations.

NAVIGATE (Next generation of AdVanced InteGrated Assessment modelling to support climaTE policy making) aims at developing the next generation of integrated assessment models that can directly support the design and evaluation of EU and international climate policies and inform the alignment of climate action with sustainable development goals. The project involves 17 partners, leading modeling teams in Europe (eg. PIK, IIASA, PBL...), as well as associated international teams from Brazil (COPPE) and China (NCSC).

The selected candidate will interact with leading researchers of different nationalities and lead or contribute to several of the tasks of documenting, developing and applying CIRED's integrated assessment model (IAM) Imaclim-R², within the framework of NAVIGATE project. In particular, she/he will contribute to (i) develop and apply methods to identify robust results from IAMs and reduce modelling uncertainties; (ii) substantially improve the representation of transformative processes in interlinked social, technological and economic systems by better capturing structural change; and (iii) develop a new capability to represent transformative changes in consumer goods and services driven by behavioural and technological change, and the link to lifestyles, quality of life, well-being and human needs.

The successful candidate must be prepared to process and manage large datasets, become proficient in using and developing a complex integrated assessment model, and apply it to respond to different research questions. In addition, the incumbent must be prepared to develop new modeling approaches and think critically and independently about her/his research and take responsibilities in the Imaclim-R modelling team. Finally, the work will

¹ www.centre-cired.fr

² https://www.iamcdocumentation.eu/index.php/Model_Documentation_-_IMACLIM

involve writing academic articles to be submitted in leading international journals, and aimed at contributing to next IPCC report.

Beyond the NAVIGATE project requirements, the research associate will be highly encouraged to conduct independent research and to develop a research agenda on the energy – economics – climate interface in the framework of the overall CIRED research program.

Requirements:

Cired is seeking a quantitative, analytical person with a keen and established interest in interdisciplinary and policy-relevant research. The successful applicant will have a proven aptitude for modeling. Experience with quantitative modeling and programming skills in Matlab/Scilab, R and/or Python are highly desirable. Knowledge on energy or climate-related issues is a plus as well. Candidates with previous experience in large scale projects involving various partners are especially encouraged to apply.

Candidates should have a PhD (or equivalent) in economics, engineering, operations research or related field (e.g., mathematics, physics).

Appointment Terms:

The successful candidate is expected to begin her/his assignment between June and October 2019 and will initially be offered a two-year fixed term contract with the possibility of extension.

The gross salary offered will be based on the qualifications and experience of the selected candidate.

CIRED is located in Jardin Tropical, Nogent-sur-Marne, 20 minutes from the center of Paris by train.

Application:

Review of applications will start after March 15 2019 and continue until the position is filled. The appointment will start as soon as the successful candidate is available.

Applications containing a detailed *curriculum vitae* including publications and research grants, a cover letter outlining your motivation for applying and fit to the position and contact information of two references should be sent on the CNRS portal: <http://bit.ly/2GHWc4i>.