

Researcher Position in Climate-Economy Modelling at Centre d'Economie de la Sorbonne (CES)

CES (Centre d'Economie de la Sorbonne) is looking to recruit a talented and motivated researcher who will contribute to the center's research on climate-economy modelling and will be involved in the European H2020 project NAVIGATE.

The NAVIGATE project (Next generation of AdVanced InteGrated Assessment modelling to support climaTE policy making) aims at developing the next generation of climate-economy integrated assessment models (IAMs) 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 (SDGs). The project involves 17 partners and includes leading modelling teams in Europe.

The selected candidate will contribute to document and develop an integrated assessment model, which will be used to evaluate the distributional implications of climate change impacts and examine the inter-relations between climate policies and different Sustainable Development Goals, in particular those related to inequality and poverty reduction and health. The selected candidate will interact with leading international researchers and lead or contribute to several tasks within the framework of the NAVIGATE project (namely work package 4 on *spatial and social heterogeneity* and work package 5 on *impacts, co-benefits, and other SDGs*). In particular, she/he will contribute to endogenize population in a regional IAM. More specifically, she/he will be involved in the following tasks: (i) improve estimates of how temperature affects regional mortality, also accounting for impacts of atmospheric pollution on health, (ii) include estimates of replacement fertility and migration between regions, (iii) improve welfare representation - currently based on consumption utility only - to include several additional metrics, and account for inequality aversion between and within generations, spatial inequality and poverty, (iv) develop scenarios to quantify the impact of climate change and socioeconomic development on population growth and climate-induced migration.

The successful candidate must be prepared to become proficient in using and developing a complex integrated assessment model, and use the model to explore different research questions. In addition, she/he must be prepared to think critically and independently about her/his research.

Requirements:

CES 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 modelling. Experience with quantitative modelling and programming skills in

python and/or Julia are highly desirable. Knowledge on climate-related issues is a plus. 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 selected candidate is expected to start in September 2019 and will be offered a 12-month contract that may be extended for up to 10 months. The salary offered is about 2250€ per month. She/he will be based at CES and will work in close collaboration with Stéphane Zuber (CES) and Aurélie Méjean (CIRED).

CES (Centre d'Economie de la Sorbonne) is a research unit within Paris School of Economics (PSE), bringing together 93 permanent researchers and 112 PhD students. CES is located at Maison des Sciences Economiques, 106-112 boulevard de l'Hôpital, 75013 Paris. The selected candidate will also closely interact with researchers from CIRED (Centre International de Recherche sur l'Environnement et le Développement), including researchers involved in the NAVIGATE project.

Application:

Applications should be made using the CNRS online system at the following address: <https://emploi.cnrs.fr/Offres/CDD/UMR8174-STEZUB-002/Default.aspx?lang=EN>

Applications should include a detailed *curriculum vitae*, a cover letter outlining motivations for applying, fitness to the position and the contact information of two references.

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

Any enquiry can be sent to Stéphane Zuber: Stephane.Zuber@univ-paris1.fr.