

Position announcement

Post-doctoral researcher on ‘Macroeconomics and finance of low-carbon transitions’

The Department of Economics of the University of Bologna is currently inviting applications for a post-doctoral research position to work on ‘Macroeconomics and finance of low-carbon transitions’.

Job description

The postholder will participate to the activities of the SMOOTH research project (ERC Starting Grant 853050 - see description below). We are looking for candidates working on one or more of the following research areas: macroeconomic modelling of technological transitions; macro-financial transition risks; investment behaviour; climate-related financial and monetary policies; central banks and financial supervisors. The postholder will actively collaborate with the rest of the SMOOTH team and supervise junior researchers.

The position will last up to three years (with confirmation after 12 months), starting on 1 October 2021. Alternative starting dates can be discussed. The gross annual salary is 35,000€. The salary is exempt of taxation but subject to pension contributions. The monthly net salary is approximately equal to 2,583€. We expect the postholder to be based in Bologna. The knowledge of the Italian language is welcome but not a prerequisite.

Job qualifications and requirements

The features of the ideal candidate include:

- A Ph.D. in Economics, Finance, Political Science or any other field relevant to the call
- Demonstrable experience in conducting independent academic research on climate macroeconomics, climate finance, technological transitions or related topics
- Capacity to perform empirical analysis and dynamic modelling with R, Matlab or similar software
- Excellent ability in writing and speaking in English
- Experience with working as part of a project team
- International work and study experience

SMOOTH project

The aim of SMOOTH is to study the dynamic links between macro-financial systems and the transition to a low-carbon society, and to contribute to the design of policies directed at achieving a rapid and smooth decarbonisation. The project is composed of three main areas of work: i) the study of how expectations, sentiments and cognitive biases affect the carbon intensity of physical and financial investments; ii) the analysis of drivers, transmission

channels and macro-financial impacts of transition risks, with a focus on physical and financial stranding risks; iii) the study of the governance and political economy implications of a low-carbon transition, with a focus on the role of central banks and financial regulators.

SMOOTH started in September 2020 and will last five years. It is conducted by an international interdisciplinary research team at the Department of Economics of the University of Bologna, in collaboration with the Milano-based RFF-CMCC European Institute on Economics and the Environment. For more information on the project, please visit: <https://site.unibo.it/smooth/en>.

University of Bologna

The [University of Bologna](#) (UniBo) is the oldest university in the world and regularly features among the top international academic institutions. With 33 departments and a population of 85,000 students from Italy and abroad, it is among the largest universities in Europe. Its main campus is based in Bologna, a vibrant city with a high quality of life and world-class social services. Bologna has a large airport and is connected to the high-speed railway network. The [Department of Economics](#) (DSE) of UniBo is a leading academic institution in several fields of economic research, with a large and expanding environmental economics cluster. The DSE is also a founding member of the Research Institute on Global Challenges and Climate Change ([Alma Climate](#)). Both UniBo's [International Desk](#) and Emilia-Romagna region service [it-ER](#) offer information and support to incoming international students and staff.

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