



Post-doctoral offer (M/F)

Quantitative analysis of environmental innovation and regulation in the plastics value chain

General Information:

- Main place of work: Lyon / Villeurbanne
- Type of contract proposed: Research fixed-term contract
- Duration of the contract: 18 months (with a possible renewal of 18 months)
- Expected hiring date: January 1, 2024 (flexible)
- Application deadline: November 15, 2023
- Work quota: full time
- Monthly remuneration: between €2,750 gross and €3,500 gross, depending on experience
- Desired level of study: PhD
- Desired experience: 0 to 6 years

Research goal:

The post-doctoral fellow will conduct an empirical analysis investigating innovation and regulation in household waste management within the “Recyclability, Recycling and Reincorporation of recycled materials” PEPR (Priority Research Program and Equipments), funded by the ANR (France 2030). The overall objective of the project “Household wastes – systemic analysis” is to acquire the knowledge necessary to improve the recycling and reuse of household waste. The recruited person will contribute to one of the five main axes of the project by developing an empirical analysis of the environmental innovation in the plastics value chain and drawing implications in terms of regulation for the development of a circular economy. He or she will also be involved in organizing meetings to monitor the progress of the project with the other members of the research consortium (including experts in chemistry and polymer materials engineering). The recruited person may also take part in the organization of scientific events such as workshops or conferences. He or she will also be required to present her/his research results in national and international conferences.

Requirements:

The candidate must hold a PhD Degree. Preferred PhD degrees are in economics or management, but profiles in engineering sciences are not excluded. The ideal candidate is expected to have an interest in innovation studies and environmental economics, and a solid quantitative background. Specifically, the candidate is expected to be familiar with the analysis of large datasets (preferably patent data) using statistical software such as R or Python and have a solid statistical background.

Modelling (ABM-type model) of industrial dynamics and scenarios as a function of regulations will be used in a second phase of this project (other post-doc contract).

Finally, the person recruited should have an interest in interdisciplinary issues and environmental questions. He or she should have a good level of French and English, both written and spoken, and be able to work as part of a team.

Location:

The recruited person will work at the Triangle laboratory (UMR 5206, Lyon), in close interaction with the GREDEG laboratory (UMR 7321, Nice, Sophia Antipolis). These two research laboratories share the scientific responsibility for the post-doctoral project. Traveling expenses for the postdoc mobility between Lyon and Nice - Sophia Antipolis will be covered to facilitate scientific exchanges between the two laboratories. The post-doctoral fellow will also be required to interact with members of other labs participating in the « Household wastes – systemic analysis » project, including researchers in chemistry and polymer material engineering.

Application instruction:

The application package will consist of an up-to-date CV, a cover letter, and a scientific article (or working paper) representative of the research work. The package must be sent jointly to Olivier Brette (olivier.brette@insa-lyon.fr), Nathalie Lazaric (Nathalie.Lazaric@gredeg.cnrs.fr) and Michele Pezzoni (Michele.PEZZONI@univ-cotedazur.fr).

Requests for additional information can be sent to these three contacts, who share scientific responsibility for the post-doctoral project.

Application deadline: **November 15, 2023**