

## **6-month internship: Comparative analysis of regional climate plans in France and abroad and transposability to the Ile-de-France territory**

### Context

The IPCC and IPBES reports constantly remind us of the reality of global warming and biodiversity loss, all over the world, as well as the need for all States and local authorities to mobilize in order to contribute to limiting these phenomena and their consequences. The regional scale of study appears to be relevant for the analysis of current environmental changes because the manifestation of climate change in a territory depends not only on the global evolution of the climate, but also on the land uses of a territory and the activities present in this region.

The GREC Francilien (Regional Group of Expertise on Climate Change and Ecological Transition in Île-de-France) was created in early 2021 at the initiative of the Institut Pierre-Simon Laplace (IPSL), a research institute in climate sciences, the Sorbonne University Institute of Environmental Transition (SU-ITE), a thematic multidisciplinary institute of the Sorbonne University Alliance. GREC's main objective is to facilitate and promote the inclusion of science and its latest advances in the decisions of actors in the Paris region. To this end, it conducts an inventory of research knowledge concerning the Ile de France region and participates in the development of strategic plans or schemes on climate change and ecological transition. Within the framework of its partnership with the Ile de France Region, GREC Francilien offers this 6-month internship..

### Subject of the internship

The objective of the internship is to study mitigation and adaptation actions, such as regional climate action plans, developed in cities and peri-urban territories in France and abroad and to evaluate to what extent these strategies could be transposed to the Ile-de-France territory. The first step will be to define the components of the study in terms of the available data:

- Selection of cities or regions :
  - o Definition of the criteria for choosing territories so that they are comparable to the Ile de France
  - o Selected geographical areas (it will be interesting to compare European territories but also cities or regions from other continents)
  - o Identification of documents and databases that can be used
- Definition of the major dimensions of the plans that will be studied (biodiversity, energy, mobility...)

In a second phase, the analysis will be carried out according to a multidisciplinary approach: economic, political and technical (a quantitative study will be carried out on the basis of available data). Meetings and interviews with actors from Ile de France and other territories will be conducted by the student to collect the necessary data.

The report should provide a better vision of actions carried out in other territories and thus bring new elements to the regional reflections on the development and implementation of mitigation and adaptation actions.

### Practical information

The internship will be supervised by Patricia Crifo, Professor at Ecole Polytechnique and researcher at CREST (center for research in economics and statistics) and Director of the Master Economics for smart cities and climate policy at Ecole Polytechnique, and co-supervised by Clarisse Léon, project manager for the GREC Francilien.

- Start of the internship: February/March 2023

- Duration: 6 months

- Compensation: minimum legal gratification, participation in public transport pass

- Location:

. Crest, Center for research in economics and Statistic, UMR 9194

5 Avenue Henry Le Chatelier, TSA 9664, 91764 Palaiseau Cedex, FRANCE

. Institut Pierre Simon Laplace, 4 place Jussieu, Tour 44/55, 2nd floor box 101, 75252 Paris

- Profile

Level of studies : Master 2 student or engineering school

- Skills :

. Economic and political analysis

.- Good writing and synthesis skills

. Bibliographic research

. Fluency in French and English

Desired knowledge :

. Knowledge of climate and mitigation and adaptation actions

. Knowledge on one or more of the following themes: ecology, energy, mobility, agriculture, health

Send a CV and a cover letter by December 12, 2022 to the following addresses

Patricia Crifo [patricia.crifo@polytechnique.edu](mailto:patricia.crifo@polytechnique.edu) & Clarisse Léon [cleon@ipsl.fr](mailto:cleon@ipsl.fr)