



Researcher (M/F)
Bioeconomic assessment of socio-ecosystems and their territories
Grenoble (38), FRANCE

Research area : Economics

Recruitment

Type of recruitment: open competitive exam (state civil service)

Terms: Position open to candidates with a Phd

(In some cases and under certain conditions, applicants may request for recognition of equivalence of diplomas that are not in the list of qualifications required for this examination, diplomas issued or recognized by a Member State of the European Union or the States Parties to the agreement of the European Economic Area, or the professional qualification obtained).

Job's description

Irstea is the National Research Institute of Science and Technology for Environment and Agriculture. Its four main scientific research areas are: **Risks**: Natural, health and environmental risks, **Bioeconomy and circular economy** of bio-resources and effluents: from technologies to actors, **Adaptive resource management** in territories constrained by global change and **Biodiversity**: Dynamics and management of ecosystems and ecosystem services. Having become a key player in both French and European research, the Institute carries out research in support of public policies and in partnership with industry. It employs 1,200 people across nine regional centers in France. As an ISO 9001 certified institution, Irstea has also received the French CARNOT label, which acknowledges its long-standing research partnerships with socioeconomic actors, within both the private and the public sector. Since 1st January 2020, Irstea will pursue its research activities under a new organisation following the merger with National Institute for Agronomic Research (Inra).

Raising awareness of environmental problems and the impossibility of separating their ecological, economic and social behavior aspects has led to changes in production methods and the circulation of knowledge. As part of this scientific and operational context, **LESSEM** (Mountain Ecosystem and Society Laboratory) has studied the dynamics of socio-ecosystems in mountain regions, aiming to achieve a balance between expanding subject areas (for ecology: functional ecology, community ecology, restoration ecology; spatial modeling; for social sciences and humanities: sociology, agronomy, development, economics) and developing interdisciplinary research, between thematic contributions and methodological perspectives.

The objective of the position is to design and carry out research on the interdependence and coevolution between human societies and their environment in time and space, with particular attention to territories (inter-municipal, regional natural parks). ...). In the context of climate change and overexploitation, or even depletion of certain resources, it will be necessary to develop a (bio)-economic evaluation of socioecosystems, with particular attention to agricultural and forestry areas. A relevant approach could be that of territorial metabolism, aiming at the analysis of productive models, sectors and their potential. This will include modeling and quantifying this metabolism, and to understand the system of associated actors. You will contribute to the design of tools to support the bioeconomic transition of the territories, which can serve as a support of knowledge during participative approaches or territorial perspective, and which could possibly be coupled with tools for calculations of environmental, energy or socio-economic footprints.

The purpose of the research carried out is to contribute to the analysis of the development capacities of a territory from the bioeconomy, by integrating the environmental and socio-economic dimensions, and to the identification of the possibilities of evolution of its development trajectory to increase its sustainability while sustainably managing the bio-resources. More broadly, the research conducted will address territorial socio-ecosystems, promoting the development of more integrative approaches and support for the transition of territorial productive models.

This position, anchored in the ASTRRE team of the research unit, will participate in research in the strategic areas of "Bioeconomy" and "Adaptive Resource Management" and in the Axis of the Department "Territorial Bioeconomy".

Required profile

Diploma required: Holder of a doctorate, you have a capacity to conduct research projects. The position is open to people from different disciplines who can feed the theme of the position:

1. Ecological economics: by analyzing the biophysical and economic potentials and spin-offs of the development of a territorial bioeconomy from biomasses of agricultural origin, as well as the linkages between material flows, monetary flows and creation of wealth for the territories;
2. Territorial economy: by seeking to qualify the circulation of material flows, the current forms of territorial organization and to understand how the development of a territorial bioeconomy from biomasses of agricultural origin would affect the local economy (flow of materials, technologies required, proximity between actors ...) in a near future or more distant, in other words the dialectic of the flows and the territorial embeddedness;
3. System agronomy: analyzing the repercussions of the development of a territorial bioeconomy on farmers' practices and their use of resources, land-use competition, the organization of agricultural sectors and their interactions with territories.

You are fluent in scientific English. You enjoy working in a team and have a working autonomy.

	Level required			
	Advanced	Pre-advance	Intermediate	Beginner
Knowledge				
1. Approaches to the metabolism of human activities; agricultural sectors	◆			
2. Economic assessment of the impacts of human activities and services offered by nature				
Skills				
English skills		◆		
Social skills				
Autonomy in the work, team spirit		◆		

Work conditions and environment

Access facility

- Ground floor yes no
- Elevator yes no
- Public transport yes no
- Car park yes no

Work environment

- Institution catering yes no
- Works council yes no

Work conditions

- ✓ Working time per week : 38h40 (27 days of annual paid leave and 20 days off) or 36h20 (27 days of annual paid leave et 7 days off), for a full time of calendar year.
- ✓ Remote work (depend on eligibility criteria).
- ✓

Social benefits (depend on eligibility criteria)

- ✓ Health insurance: possibility to subscribe to one of 6 referenced health and life insurance policies.
- ✓ Holiday vouchers.
- ✓ CESU (Universal Employment Services Voucher).

Training

- ✓ Support after the appointment..
- ✓ Possibility to follow training to develop professional and personal skills.

For more information

You can contact :

- Emmanuelle GEORGE, head of the LESSEM unit, emmanuelle.george@irstea.fr (+33)4 76 76 27 50
- Sophie THOYER, head of the Territoires Department, sophie.thoyer@irstea.fr (+33)1 40 96 61 21

To apply

Application form can be obtained:

- on the website: www.irstea.fr link "Nous rejoindre" and then link "concours externes"

- or by contacting the recruitment centre: concours@irstea.fr - +33 140 96 60 37 or 65 67

Full application should be submitted before **14th March 2019** and sent to :

Irstea

Direction des ressources humaines et des relations sociales

Pôle recrutement, mobilité et développement des
compétences

1 rue Pierre-Gilles de Gennes - CS 10030

F-92761 ANTONY