

JOB POSITION – 21 months

MODELER of managed Forest ecosystems

The French National Institute for Agricultural Research (INRA) is a public institution with more than 10,000 agents across the French territory. Inra is the first European agricultural research institute and produces scientific knowledge and works for economic and social innovation in the areas of food, agriculture and environment.

WORKING ENVIRONMENT AND ACTIVITIES

■ The « Forêts-21 » project will construct and develop an operational web-service for the strategic planning of the management of the French production forests. The service will include a library of model simulations covering the main forests species for a range of climate (RCPs at 8x8 km) and management scenarios. To construct this library, the Research unit ISPA at Bordeaux recruits for a 21 month-long contract a scientist engineer who will contribute to the adaptation, coupling and implementation of a model chain including a biogeochemistry model (Go+ INRA model), a wood product life cycle model (CAT model) and risk assessment retools (Forest-Gales). This model ensemble is already developed and applied to various applications within the framework of ANR and European projects on Pines, Fagus, Coffee plantations, Eucalypts etc. Within the Forêts-21 framework, the model chain will be applied at 8 x8 km resolution on the French metropolitan area.

You will be based at Villenave d'Ornon, near Bordeaux, France, in the ISPA UMR. The job includes:

- a research activity within a team of 2 scientists and 2 computing and database engineers ;
- transfer, training and development activities that are support and training of the service users (forest engineers, students, forest policy makers...).

TRAINING AND SKILLS REQUIRED

- Scholar and higher education in Environment, Biogeochemistry, Forest Ecology, Forest management, modeling.
 - Temperate forests management Functional Ecology, Environmental physics,
 - Programming (language Python, R).
- + fluent in French would be appreciated.

↘ Reception conditions

- Research unit and location: UMR ISPA, Bordeaux
- Type of contract: Research Engineer
- Duration: 21 months
- Starting date: 1st July 2019
- Salary: 2200 to 2700 Euros net per month according to experience.

↘ How to apply

Send a motivation letter end a CV to :
Denis Loustau

- By e-mail: denis.loustau@inra.fr
 - Postal way: Denis Loustau, INRA-ISPA, CS 20032, 33882, Villenave d'Ornon, France, cédex.
- ✘ **Deadline for applications: June 15th 2019**

