

Post-doctoral position: Economic evaluation of policies targeting control of Bovine Tuberculosis in France

Project duration

24 months

The project

The candidate will contribute to an ambitious research project aiming at evaluating policies to control bovine tuberculosis nationwide. The objective of the post-doctoral position is to analyze the efficiency of measures to control bovine tuberculosis in France and to perform cost-effectiveness and cost-benefit evaluations at the supply chain and society scales. Original dataset containing disease outbreak characteristics, production data and new measures definition will be used.

Bovine tuberculosis consists of an infectious disease afflicting ruminants, transmissible to humans and potentially harmful and difficult to cure with current available antibiotic treatments. When detected in farms, drastic measure of eradication are implemented, generating high cost for the farmers. As of 2021, France is free of bovine tuberculosis, however, resurgence of cases threatens cattle exports.

The resurgence of bovine tuberculosis in France has reached locally a critical level that call for new control measures. A recent evaluation from the French Agency for Food and Environment Safety (ANSES) concluded that there is a need for applying new measures to better detect contaminated cattle and prevent disease transmission to quickly decrease prevalence and incidence. Because many measures are complex to implement in the field, cost-effectiveness and cost-benefit analysis are required to justify and choose the options that best match with multi criteria policies. Three main measures are already identified to be tested in the economic evaluation. A joint research focused on the potential impact of the loss of the official tuberculosis status in France will be used for the cost-benefit analysis.

Your profile

Applicants should have recently obtained a Ph.D. in Economics (or should be near completion of the dissertation) and should have shown interest in agricultural, environmental or health fields. The candidate should have an excellent research background in computer science, data management, and economics. An experience in cost benefit or cost effectiveness evaluation is welcome. Infectious disease modeling and geographical approaches are appreciated, though not required. Excellent mathematical and computational skills, English language skills, social skills, and international experience are required.

Your benefits

The Postdoctoral research will be part of an international team specialized in economics of animal health. He/she will benefit from our agile management system and will have the opportunity to participate in many research activities (seminar series, conferences) and attend executive education sessions. Salary will be commensurate to experience, and benefits (health and vacations) follow French regulations. Senior faculty members will provide guidance to navigate in academic environment and entrepreneurship. The candidate will have the opportunity to participate in meetings involving renowned experts in economics and animal health worldwide.

Our group

We are an enthusiastic group of researchers dedicated to the improvement of livestock and farmers well-being. We use innovative analytical tools to address modern challenges of economics of animal health:

- Assessing human decision-making with empirical and data-driven work
- Evaluating the effects of public policies in the animal health sector, at micro and macroeconomic scales
- Working transdisciplinary by combining computer science, systems approaches, epidemiology and economics.
- Understanding epidemic dynamics, using modelling and computer simulation of complex animal and human interactions

We are based on the gorgeous campus of the National Veterinary School of Toulouse. Our research team is integrated to The French National Research Institute for Agriculture, Food, and the Environment (INRAE), which is a public research establishment under the dual authority of the Ministry of Agriculture and the Ministry of Research. The institute is among the world leaders in agricultural and food sciences, in plant and animal sciences, INRAE's main goal is to be a key player in the transitions necessary to address major global challenges.

Find more:

<http://www.envt.fr/>

<https://veteconomics.envt.fr/>

<https://medpopbov.envt.fr/>



Interested?

We look forward to receiving your online application in a single pdf with the following documents: a letter of motivation, your CV, university transcripts, two academic references.

Please send the documents to:

guillaume.lhermie@envt.fr didier.raboisson@envt.fr

Application close: 31 January 2021. *The selection process will start before dead line. We consequently invite candidates not to wait for application closure for at least first contacts.*

The position is ideally planned to start early 2021. This is subject to changes, due to the international Covid-19 situations, and we will be comprehensive with constraints that apply to international candidates.

Our reference : 2021-EcoTB