



Agroscope Job Advertisement

Title

PostDoc position: Modelling of biodiversity and ecosystem services in agricultural landscapes

Introduction

The international research project "Scenarios for agricultural landscape biodiversity and ecosystem services (SALBES)" explores possible futures for farmland biodiversity in case study regions in Switzerland, Germany, Austria and Estonia. Your task will be the integration of available modelling tools into a comprehensive modelling platform and to operate it for different mid-term scenarios under climate change. We are looking for an enthusiastic PostDoc researcher to team up with the project consortium.

Tasks

- Select appropriate modelling tools for biodiversity and ecosystem service evaluation at plot, farm and landscape scale
- Integrate the tools into the modelling platform developed in the SALBES project
- Apply and validate the modelling platform in the four case study regions of the partner countries
- Conduct stakeholder consultations in the Swiss case study region
- Conduct scenario simulations of alternative agricultural management under climate change and evaluate their effects on biodiversity and ecosystem services
- Publication of results in international journals and communication at international conferences
- Translation of results into recommendations for local stakeholders and for national governments
- Supervision of students (MSc, PhD)
- Collaboration with ZALF and PIK (Germany), BOKU and Vienna University (Austria), Tartu University (Estonia) and with the Chinese Academy of Agricultural Sciences CAAS

Requirements

- PhD and publication record in Environmental Science, Geography, Agronomy, Forestry
- Expertise in modelling, spatial analysis (GIS) and in statistical analysis
- Track record in research on ecosystem services in an agricultural context
- Interest and experience in interdisciplinary and international cooperation
- Interest in stakeholder involvement and trans-disciplinary research
- Excellent writing skills
- Achievement-oriented, communicative personality with a capacity for teamwork
- Flair for project management

Information on Agroscope

Agroscope is an innovative research institute for agriculture and nutrition run according to the principles of New Public Management. Agroscope is part of the federal administration, and attached to the Federal Department of Economic Affairs, Education and Research EAER.

The Agroscope Department for Agro-ecology and Environment at Zurich-Reckenholz conducts research for an environmental friendly and competitive agriculture. This Postdoc position will be affiliated to the research group Agricultural Landscapes and Biodiversity.

We offer a varied job in a dynamic work environment, as well as thorough training and a modern research infrastructure. Flexible working hours, good social benefits and a staff restaurant are among the perks of this position.

Place of Work
Salary Category
Employment Level

8046 Zurich-Affoltern
According to the standards of the Swiss National Science Foundation
80-100%



Application Address

If you are interested in this challenge, we look forward to receiving your online application (documents in a single PDF file) at human.resources@agroscope.admin.ch (Ref. 37114) by 15th February 2019. For further information, please feel free to contact Dr. Felix Herzog, head of the research group (felix.herzog@agroscope.admin.ch, +41 58 468 74 45). (please do not send applications to this e-mail address).

Start date: 1st April 2019 or as per arrangement. The contract duration is for three years.