



Agroscope Job Advertisement

Title

Researcher - Team leader – Remote Sensing in Agriculture

Background

Remote sensing, imaging techniques and digital methods have arrived in the midst of society and thus in our daily use. As a result, different tools and associated methods are increasingly applied in agriculture, in agricultural extension, in agricultural research and by governmental and non-governmental institutions, with the aim of generating information that supports decision-making.

With the position offered, Agroscope is expanding its competences in the field of remote sensing in agriculture and the environment in the strategic research division of agro-ecology and environment. The tasks lie at the intersection of many research topics and include applications for "decision support" in field management, support for agricultural and environmental surveys, as well as the implementation of field phenotyping approaches to answer relevant research questions.

The Remote Sensing team in the Water Protection and Substance Flows group will thus provide important tools for a generic assessment of agroecosystems and contributes to achieving sustainable agricultural production now and in the future.

Tasks

- Establishment, management (in terms of content, expertise and personnel) and coordination of the remote sensing team,
- Networking of remote sensing competences within Agroscope and with external partners,
- Research and development: Project management in the field of remote sensing and highlighting the benefits for a more site-adapted agriculture in the future,
- Acquisition of third-party funding,
- Dissemination of results via peer-reviewed publications, project reports and field days
- Consulting and expert activities within Agroscope, as well as for cantonal and federal authorities and specialist agencies,
- Knowledge transfer and public relations at national and international level
- Support in the supervision and mentoring of early career researchers (BSc, MSc and PhD work).

Competences

- Completed dissertation in the field of remote sensing or a comparable field of research.
- Proven experience at different scales of remote sensing in the field of agriculture and environment, knowledge of the Swiss agricultural system is of advantage
- Experience in project and team management and enthusiasm for project implementation and practical work
- A broad national and international network
- Good knowledge of different methods of data collection, processing and analysis of remote sensing data, (e.g. spectral and image data, different evaluation and learning methods as well as time series analysis on different scales like plant, plot, field and region)
- Very good knowledge in linking remote sensing information with spatial models (GIS), as well as good programming skills preferably in Python, R and Matlab;
- Team player, communicative and performance-oriented personality
- Knowledge of two official languages (working language is German and or English)

Employer information

Agroscope is the federal government's centre of excellence for research in agriculture and the food industry. The researchers carry out their activities at various locations in Switzerland. The headquarters are in Berne - Liebefeld. Agroscope is attached to the Federal Department of Economic Affairs, Education and Research (EAER).

We offer you a diverse field of work in an interesting working environment as well as a careful induction. An



excellent research infrastructure is at your disposal. You will benefit from flexible working hours, good social benefits and a staff restaurant. In the Water Protection and Substance Flows Group and the Agro-ecology and Environment Division, you will find an innovative, flexible and stable working environment for team building, personal and project development.

Work location	8046 Zürich Affoltern ZH, Reckenholzstrasse 191
Pay grade	24
Degree of employment	80-100%

Contact

If this challenge appeals to you, we look forward to receiving your online application by 31.05.2021 to www.stelle.admin.ch , ref. no. 45369 (Link in German). For further information, please contact Dr. Frank Liebisch, Head of the "Water Protection and Material Flows" Research Group frank.liebisch@agroscope.admin.ch , telephone +41 (0) 58 480 87 23 (please do not send applications to this e-mail address).

Starting date: 01.09.2021 or by agreement. The position is open-ended.