



# POSTDOCTORAL RESEARCH FELLOW – 'DIGITAL MILK PRODUCTION'

100% / ETTENHAUSEN

The sensors used in Smart Farming generate large quantities of data requiring new evaluation methods. As part of the 'Digital Milk Production' research project, you will analyse the data generated and develop new analytical approaches for decision-support systems.

## Tasks

- Developing methods for analysing and developing decision-support systems in pasture-based milk production via continuously collected data
- Working in a multidisciplinary team to develop models for feed supply and feed intake via continuously collected data
- Analysis of animal social networks based on tracking data
- Use of Data Mining approach to analyse both stored historical data and data captured in real time
- Advising scientists on experimental design and statistical evaluation in the project
- Authoring peer-reviewed publications

## Requirements

- PhD in statistics, skills in statistical programming and in data mining; GIS knowledge an advantage
- Working knowledge of agricultural, environmental or natural sciences
- Understanding of complex data structures and algorithms
- Experience of publication in international peer-review journals
- Achievement-oriented, team-minded and communicative personality
- Enjoy working in a multidisciplinary team
- Good knowledge of English as well as knowledge of an additional Swiss language besides German an advantage (working language is German)

Agroscope is an innovative research institute for agricultural and nutritional sciences run according to the principles of New Public Management. Part of the Swiss federal administration, Agroscope is attached to the Federal Department of Economic Affairs, Education and Research EAER. Agroscope is headquartered in Bern-Liebefeld and carries out its activities at a number of sites in Switzerland. The 'Automation and Work Design' Research Group at the Tänikon site (Ettenhausen, canton of Thurgau) deals with smart farming and ergonomics issues in agriculture.

We offer a varied job in an interesting work environment, as well as thorough training. You will enjoy flexible working hours, a staff restaurant and good social benefits.

Place of Work: 8356 Ettenhausen

Salary Category: According to the principles of the Swiss National Science Foundation

Employment Level: 100% (full-time)

If you are interested in this challenge and meet the requirements profile, we look forward to receiving your online application, including the addresses of 2 – 3 referees, at [human.resources@agroscope.admin.ch](mailto:human.resources@agroscope.admin.ch); (Ref. 33707)

For further information, please feel free to contact Dr. Christina Umstätter, Head of the Research Group, at [christina.umstaetter@agroscope.admin.ch](mailto:christina.umstaetter@agroscope.admin.ch), or Tel. ++41 (0)58 480 33 21 (please do not send applications to this email address).

Start date: 1 April 2018 or as agreed. This is a three-year fixed-term appointment.