



Job Advertisement Agroscope

Title

PhD position in greenhouse gas flux measurements on grazed grasslands

Introduction

N₂O is an important greenhouse gas emitted from agricultural systems. The Climate and Agriculture Group at Agroscope offers a PhD position in the field of greenhouse gas flux measurements as part of the SNSF project REFGRASS (Towards Representative N₂O Emission Factors for Grazing Systems in Switzerland). This PhD will be carried out in close collaboration with a second PhD work focussed on modelling in the same project.

Tasks

- You plan and perform field measurements on N₂O emissions with chamber and eddy covariance techniques on a grazed pasture field with different management and applications of fertilisers.
- You evaluate the measurement data with available and self-written programs (in R or similar framework)
- You perform literature surveys and synthesize results on N cycling and emissions from pasture systems
- You present the obtained results at colloquiums and international conferences
- You write scientific papers for publication in peer-reviewed journals

Requirements

- Master or equivalent university degree in environmental sciences, agronomy, meteorology or similar
- Interest in agro-ecological processes and corresponding experimental investigations
- Interest in and (basic) experience with micrometeorological and/or trace gas measurement techniques
- Programming skills (processing of measured large datasets and statistical evaluations)
- Car driving licence
- Very good knowledge of English, spoken and written, and preferably some knowledge of a Swiss national language

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 Agroecology and Environment at Zurich-Reckenholz conducts research for an environmental friendly and competitive agriculture. We offer a varied job in a dynamic work environment, as well as thorough training and a modern research infrastructure. Flexible working hours and good social benefits are among the assets of this position.

Place of Work

8046 Zurich-Affoltern (Switzerland)

Salary Category

According to the standards of the Swiss National Science Foundation

Employment Level

100%

Application Address

If you are interested, we look forward to receiving your online application (documents in a single PDF file) at human.resources@agroscope.admin.ch (ref.nr. 39352) by 1 October 2019.

For further information, please feel free to contact Dr. Christof Ammann, project leader, +41 58 468 7503 or christof.ammann@agroscope.admin.ch (do not send applications to this e-mail address).

Start date: 1 January 2020 or as per arrangement. The contract duration is limited to 4 years.