

The **Group of Sustainable Agroecosystems** at ETH Zurich is seeking to hire a

Biogeochemical Modeler for a 1-year (with possible extension) post-doctoral research position

The incumbent will conduct modeling exercises for mechanistic hypotheses generation and prediction of greenhouse gas emissions at the regional scale. The mechanistic modeling will focus on soil C and N dynamics in deeper soil layers and soil aggregates as affected by root growth. The main objective is to include measurable pools and isotopic data into prototype models to further constrain and thereby improve the initialization and parameterization of the models and generate novel hypotheses to be experimentally tested. Within the regional greenhouse gas emission assessments, the work will be focused on pan-European estimates of C sequestration and N₂O emissions from arable land. The incumbent is expected to supervise M.S. students.

Suitable candidates should have a Ph.D. in biogeochemistry with a strong background in simulation modeling and experience in computer programming (e.g., Fortran, C, Matlab, R, etc.) is required.

We look forward to receiving your online application including a CV, application letter and the names of three references before 20 November 2017. Starting date: Immediately or by agreement. Please note that we exclusively accept applications submitted through our online application portal. Applications via email or postal services will not be considered.

For further information about the group please visit our website www.sae.ethz.ch. Questions regarding the position should be directed to Dr. J. Six or Dr. M. Necpalova, (no applications).



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