

Eawag, the Swiss Federal Institute of Aquatic Science and Technology, is an internationally networked aquatic research institute within the ETH Domain (Swiss Federal Institutes of Technology). Eawag conducts research, education and expert consulting to achieve the dual goals of meeting direct human needs for water and maintaining the function and integrity of aquatic ecosystems.

The department of Systems Analysis, Integrated Assessment and Modelling (Siam,) has an open position for a

Postdoc in Model-Based Decision Support for Aquatic Ecosystem Management

Within the case study 7 of the Horizon 2020 EU project AQUACROSS (<http://www.aquacross.eu>), the successful candidate will further develop and apply species distribution models of invertebrates and fish to evaluate the effectiveness of measures to conserve or re-establish a good ecological status and the associated biodiversity in Swiss rivers. He or she will also closely collaborate in methodological aspects with most of the partners of the consortium and with a few partners regarding species distribution modelling in rivers and decision support.

The candidate should have

- a PhD degree in environmental science or engineering;
- experience in developing and applying models of ecological systems;
- good knowledge of statistical techniques relevant to modelling species distributions;
- experience with R programming or with a similar script-based modelling and data analysis platform;
- strong interest in linking natural scientific knowledge to societal preferences for environmental decision support and the relevant decision analysis methods;
- strong interest in collaborating with scientists involved in methodological aspects or modelling other case studies in AQUACROSS;
- communication and social interaction skills to collaborate in a transdisciplinary project.

The candidate's application must include

- a brief letter of application that includes the motivation for this position and a description of his or her experience in relevant fields of environmental science and the interface to the society;
- a curriculum vitae including a list of publications;
- academic transcripts/record; and
- names and contact information for at least two academic references.

Eawag offers a unique research

(<http://www.eawag.ch/en/aboutus/working/researchenvironment/>) and working environment and is committed to promoting equal opportunities for women and men and to support the compatibility of family and work. Applications from women are especially welcome. For more information about Eawag and our work conditions please consult <http://www.eawag.ch> and <http://www.eawag.ch/en/aboutus/working/employment/>.

For information, about the department please consult

<http://www.eawag.ch/en/department/siam/> and for further information about the position, please contact Prof. Dr Peter Reichert (reichert@eawag.ch) or Dr. Nele Schuwirth (nele.schuwirth@eawag.ch).

The position is available from fall 2016 for two years. The deadline for applications is **07.09.2016**.

We look forward to receiving your application. Please submit your application via the Eawag Jobs & Career webpage, any other way of applying will not be considered. The link below will take you directly to the application form.

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