

The chair of Natural and Social Science Interface (Institute for Environmental Decisions, Department of Environmental Sciences) at ETH Zurich is looking for a

Postdoctoral Researcher in Environmental Sciences (modeling of energy systems)

Interdisciplinary natural or engineering science methods; integrative modeling

The ETH-NSSI professorship has a leading role in researching scientifically and societally relevant topics regarding human-environment systems. Goal of our research is to model upcoming developments (in areas such as energy, mineral resources, waste management, and urban development), to derive scenarios, and to conduct quantitative assessments from a sustainable development point of view. A main focus of our work is the development of new scientific methods for risk assessment and sustainability evaluations.

Many of the professorship's research projects have, while pursuing highest scientific goals, a transdisciplinary character. They are conducted in close collaboration with industry, administration, citizens, and other research institutions.

Situated within our research area on the sustainability competition of energy systems, a main task will be to lead research projects at the interface between theory and applied decision support. The research projects will employ qualitative and quantitative modelling and assessment of energy systems at local, national, EU and global levels. The candidate is also expected to contribute to other research projects at the professorship, e.g. on the management of scarce mineral resources or regional development, etc.

We seek a senior research assistant holding a PhD for a 80–100% appointment, with ca. 20% of funding to be raised externally. The successful applicant will join the professorship's projects and will be able to take over leadership and supervise MSc and PhD students.

Of focus of research interests and past experiences should be in the area of energy systems or building ecology/material flow analysis of mineral resources.

The ideal candidate has a natural science degree combined with experience, or thorough interest, in social sciences.

Willingness to support the organisation of the Major Program Human-Environment-Systems as part of the Master in Environmental Sciences (approx. 10% of appointment) is a prerequisite. Upon interest, it is possible and wishful to engage in teaching at the bachelor or master level.

Salary is according to ETH rules and depends on the educational and professional background of the candidate.

Place of work is Zurich, Universitaetstr. 22.

For further information, please contact Prof. Dr. Roland W. Scholz (scholz@env.ethz.ch).

Start of this position is as soon as possible, depending on the candidate's availability. Personal interviews will be held in March.

Please send your application before 8th March with complete CV and photo to:
ETH Zurich, Prof. Dr. Roland W. Scholz
IED, P.O. Box 32, Ref. "NatWissA", 8092 Zurich, Switzerland