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UNIVERSITÄT  
BERN

OESCHGER CENTRE  
CLIMATE CHANGE RESEARCH

Oeschger Centre, Hochschulstrasse 4, CH-3012 Bern

September 09, 2020

The **Institute of Geography** <http://www.giub.unibe.ch> and the **Oeschger Centre for Climate Change Research** <http://www.oeschger.unibe.ch/>, University of Bern, Switzerland invite applications for the following position opening **December 01, 2020**.

**Postdoc “Compound hydro-meteorological events for energy supply”**  
**University of Bern, Switzerland**  
(80-100%, 2 years plus 1-year extension)

Compound weather and climate events refer to multiple climate events that potentially cause large societal impacts. The increasing reliance on climate-related renewable energy sources (wind, solar and hydropower) poses urgent questions related to the space-time dependence of these energy sources, with storage hydropower playing a key role to balance the energy offer. The analysis of the risk related to energy supply droughts requires developing new methods to account for hydropower management as well as to statistically predict the co-occurrence of extreme events at different spatial and temporal scales.

The prospective PostDoc will work at the interface of the development of statistical methods and their application to current topics of high interest in water resources management and energy production. The PostDoc is part of the group of Prof. Dr. Bettina Schaeffli (Institute of Geography), in close collaboration with Prof. Dr. Olivia Romppainen-Martius (Institute of Geography), Prof. Dr. Johanna F. Ziegel and Dr. Michel Piot (Institute of Mathematical Statistics and Actuarial Science). The position is ideally suited for a young researcher in stochastic hydrology with the perspective to become an expert in statistical methods that are also of high interest for climate science and weather applications.

**Profile of the candidate**

The successful candidate holds a PhD in Stochastic hydrology, in Climate or Atmospheric Science, Meteorology or Statistics and has a strong interest in hydro-climatic applications. She/he has excellent programming and data handling skills, and a keen interest in interdisciplinary research. The candidate is proficient in English, both written and spoken. Ability to read technical (hydropower) reports in German or French is a plus (but not condition).

**Details**

Starting date December 01, 2020 or upon agreement. Employment conditions and remuneration in accordance with the standards of the University of Bern, Switzerland. The salary ranges between 88,000 and 100,000 CHF p.a. (gross salary; ca 90-100 k US\$).

For further information please contact Prof. Dr. Bettina Schaeffli ([bettina.schaeffli@giub.unibe.ch](mailto:bettina.schaeffli@giub.unibe.ch)).

**Applications**

All applications received **before October 10 2020** will be reviewed, and further applications will be considered until the position is filled. Please send your **application documents in ONE pdf** including a CV, a motivation letter, and contact information for 3 references by e-mail to [info@oeschger.unibe.ch](mailto:info@oeschger.unibe.ch).

**Homepage:** <http://www.oeschger.unibe.ch/> and <http://www.giub.unibe.ch>