Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Home Affairs FDHA

Federal Office of Meteorology and Climatology MeteoSwiss

MeteoSwiss Good to know

The Swiss Federal Office for Meteorology and Climatology MeteoSwiss is the Swiss National Weather Service. We record, monitor and forecast weather and climate in Switzerland and thus make a sustainable contribution to the well-being of the community and to the benefit of industry, science and the environment. The Climate Department carries out statistical analyses of observed and modelled climate data and is responsible for providing the results for users and customers. Within the team Climate Prediction we currently have a job opening for the following post:

Postdoc on climate change and heat stress

Your main task is to calculate potential heat stress for current and future climate over Europa that will serve as a basis for assessing the impact of climate change on the health of workers. You derive complex heat indices from climate model output and validate them against observational datasets. You will further investigate the predictability of heat stress several weeks ahead on the basis of long-range weather forecasts. In close collaboration with international partners of the EU H2020 project Heat-Shield you will setup a prototype system of climate services, including an early warning system. Your work hence substantially contributes to a heat-based risk assessment for different key industries and potential productivity losses across Europe. The results will be a central basis for policy making and to plan climate adaptation measures. Your responsibilities will further include publishing results in scientific journals and reports, reporting and coordinating our contribution to the European project and presenting results at national and international conferences.

As a candidate for this post, you will have a university degree in natural sciences and a doctorate in the field of climatology or meteorology. You will have experience in handling data from climate models and in statistical downscaling. You will be familiar with Linux, proficient in handling very large and complex data sets and able to implement different statistical methods. You will have experience in various programming languages (i.e. R, python) and tools (i.e. shell, CDO, NCL). Your working languages will be both, German and English and you must be willing to travel regularly.

We are looking for a motivated person who has good communication skills and enjoys working in a team. We offer varied and interesting activities in a modern company and a diverse working environment at the interface between research and application. The office is located at Zurich Airport. The post is limited to two years.

Please submit your application online via the federal government jobs portal: **www.stelle.admin.ch.**

Further information can be obtained from Dr. Mark Liniger, Head Climate Prediction, Tel.+41 58 460 93 27.