



MeteoSwiss, the Swiss Federal Office of Meteorology and Climatology, is by Federal mandate the national provider of weather and climate services in Switzerland. It provides services to private and commercial users, research and the public sector. Its Climate Analysis Team is dealing with the statistical analysis of climatological observations and modelling data. Within the framework of the international projects Climate Monitoring – Satellite Application Facility (CM SAF) of EUMETSAT and the Climate Change Initiative (CCI) of ESA, MeteoSwiss currently has a vacancy for a

Postdoctoral Research Fellow in Satellite Climatology

This post involves the development, validation and analysis of climate data sets derived from satellites spanning several generations. The thematic focus of this position is on cloud physical properties and on radiative land surface temperature. The duties include the development of advanced retrieval algorithms for Meteosat First and Second Generation satellite data using radiative transfer modelling, the validation of satellite products with high quality ground observations and the quantification of uncertainties, in particular over the complex terrain such as the Alps. You will publish your work in scientific journals and reports and present the findings at project meetings, national and international conferences.

Alongside being a proactive team player, the applicant should also have a university degree in natural sciences and have completed a dissertation in the field of meteorology, climatology or physics. Ideally, the candidate should be experienced in satellite climatology, radiation and cloud processes and Alpine climatology. The candidate must be familiar with UNIX, handling large and complex data sets and be able to program in several languages (such as Fortran, C, IDL and R). The applicant should enjoy converting scientific findings into experimental products and fostering their application in the context of climate services. The successful candidate will be expected to possess good verbal and written communication skills both in English and German.

We are seeking a motivated and communicative person, in return for which we offer a diverse and interesting post in an ambitious enterprise and a multifaceted and fascinating environment at the interface between research and application, as well as leading-edge tools and opportunities for continuous professional development.

This post is limited to two years and is based in Zurich.

Please submit your application no later than **17 September 2012** to the federal online portal www.stelle.admin.ch (Interface in German).

For further technical details regarding this post, please contact
Dr. R. Stöckli, +41 (0)44 256 92 73 or Dr. M. Liniger, +41 (0)44 256 93 27

Information on our current contribution to the CM SAF project can be found at
www.meteoswiss.ch > Research > Current Projects > [CM SAF](#)