

Max-Planck-Institut für Chemie
(Otto-Hahn-Institut)
Hahn-Meitner-Weg 1
D-55128 Mainz



The Max-Planck-Institut for Chemistry in Mainz is an internationally recognised research institute and with about 300 employees we do basic research of chemistry, physics, biology and geosciences. In the Department of Atmospheric Chemistry, the research group on Fire Emissions is looking at the next possible opportunity for

a Post-doctoral researcher for the GFAS-CLIM project.

Forest, savanna, peat and other vegetation fires are an important part of the global carbon cycle and the changing climate. Fire disturbance has therefore been identified as a so-called *Essential Climate Variable*, and observational datasets (*Climate Data Record*) are being prepared for climate monitoring. The *Global Fire Assimilation System (GFAS)* is monitoring vegetation fires using satellite observations of *Fire Radiative Power (FRP)*. It is routinely used for near real time forecasting purposes. Our new colleague will further develop and optimise GFAS for climate monitoring purposes. She/he will publish the resulting climate data record in peer reviewed journals and at international conferences.

Interested candidates must have:

- PhD in a relevant field (e.g. physics, meteorology, atmospheric chemistry)
- Programming experience (e.g. PYTHON, C, C++, FORTRAN, MATLAB, IDL)
- Sound mathematical training
- Ability to work independently while contributing to a larger team effort
- Excellent communication skills in English, both oral and written
- Interest in climate monitoring, satellite data and atmospheric chemistry

Preference will be given to candidates with knowledge of:

- Satellite remote sensing and/or data assimilation
- Global/regional circulation models or chemistry transport models
- Geophysical data formats (e.g. grib, kml and NetCDF)

We offer:

Work in a small and dynamic research team (<http://tiny.cc/AGKaiser>). The position is for two years. Salary is based on the TVöD salary scale.

The Max Planck Society wishes to increase the number of female coworkers, and applications by women are particularly encouraged. The Max-Planck-Society has set itself the objective of employing more people with disabilities. Applications from people with disabilities are expressly encouraged.

Application process

Applications consisting of a short CV, list of publications, letter of motivation, copy of last degrees and contact details of two referees should be sent by e-mail to Berit Gehrke (b.gehrke@mpic.de), questions concerning the research should be addressed to Johannes Kaiser (j.kaiser@mpic.de).

