



Long range transport of air pollution

The Institute for Advanced Sustainability Studies e.V. (IASS) is an international, interdisciplinary center of excellence located in Potsdam, Germany. The IASS is financed by the Federal Ministry of Education and Research and the Federal State of Brandenburg and devoted to promoting science and research for global sustainability, particularly in the areas of climate change, the earth system and the development of new technologies and social pathways to sustainability. Further information about the IASS can be accessed under www.iass-potsdam.de/en.

Applications are sought for the position of

PhD Candidate (m/f)

Ref. No. AQ-2017-03

at IASS Potsdam, for a period of three years. The successful applicant will contribute to the work of a research group lead by Prof. Tim Butler, with a focus on numerical modelling of atmospheric chemistry. The successful applicant will primarily investigate the long range, intercontinental transport of air pollution, with an emphasis on tropospheric ozone, including attribution to geographical source regions and emission sectors through the use of chemical tagging techniques. Additional, complementary research themes could include development of emission scenarios, development of chemical budgeting and source attribution techniques, and investigation of chemistry-climate interactions, depending on the prior experience and interests of the applicant. The research will be performed with the Community Earth System Model (CESM).

Candidates are expected to have a masters degree (or be in the final stages of completing a masters degree) in an atmospheric science related field. Experience with scientific computing (including Linux, FORTRAN, and scripting languages such as perl, python, or R) is essential. Knowledge of atmospheric chemistry and prior experience with the CESM or a similar model would be an advantage.

Candidates should be fluent in written and spoken English. Working knowledge of German would be an advantage.

Are you interested in joining a dedicated, exciting team in a strongly trans-disciplinary environment?

Then please send us an application, including a statement of scientific background, interests and plans, a curriculum vitae, and names of 2-3 references, either in hard copy or by e-mail no later than October 15, 2017 to:

IASS, Institute for Advanced Sustainability Studies e.V.
c/o Cordula Granderath
Berliner Str. 130
14467 Potsdam

E-Mail: cordula.granderath@iass-potsdam.de

The position is available from November 2017, and will run for three years. The starting date may be delayed until February 2018. The position will be filled as a contract within the public service federal employment system (TVöD). The IASS particularly encourages applications from female researchers; handicapped applicants will be given preference in case of equal qualifications.