

Ina Tegen



Professor Dr. Ina Tegen

Leibniz Institute for
Tropospheric Research
Permoserstraße 15
04318 Leipzig

Phone: +49 341 2717-7042

Mail: ina.tegen at tropos.de

Room: 104 (Geb. 23.1)

Function

Head of the Department Modelling of Atmospheric Processes

Department:

Modelling of Atmospheric Processes

Research areas & research interest

Numerical modelling of tropospheric aerosol distribution and impacts

Current projects

- Aerosol-Ocean Interaction: Ocean Import of Dust and Ocean Export of Organic Matter (Co-Principal Investigator), part of the Joint Research Project Surface Ocean Processes in the Anthropocene (SOPRAN); Subproject, Regional modelling of Saharan dust export to the Tropical Atlantic, BMBF, 2010-2015
- High Definition Clouds & Precipitation in Climate Prediction (HD(CP)2; Subproject M3: Simulation of aerosol distributions, cloud condensation and ice nuclei in NW Europe, BMBF, 2013-2015
- Direct Normal Irradiance Nowcasting methods for optimized operation of concentrating solar technologies (DNICast), Subproject High Resolution Aerosol Modelling; EU, 2013-2015

Completed projects

- Characterization of European aerosol by regional modelling and lidar measurements, Deutsche Forschungsgemeinschaft, 2011-2014
- Modeling and observation of Sahara dust transport, modification and radiative impact (Co-Principal Investigator), part of the Research Group Saharan Mineral dUst experiMent (SAMUM-2), Deutsche Forschungsgemeinschaft, 2007-2010
- Regional Modeling of the Saharan Dust Cycle (Co-Principal Investigator), part of the Research Group Saharan Mineral dUst experiMent (SAMUM-1), Deutsche Forschungsgemeinschaft, 2004-2007
- Interactions and Feedbacks of Biosphere and Climate on Interannual to Centennial Timescales and Future Trends (Research Scientist, Principal Investigator: I. C. Prentice); German Ministry for Education and Research (BMBF), 2001-2005
- Global Aerosol Climatology Project: Improvement and Synthesis of Global Aerosol Climatologies Derived from Long-Term Satellite Observations and 3D Transport Models (Co-Principal Investigator); National Aeronautics and Space Administration, USA, 1998-1999

Teaching

Professor for Modelling of Atmospheric Processes, University Leipzig

Memberships

- Associate Editor, Journal of Geophysical Research-Atmospheres.
- Member of the Steering Committee, SDS-WAS (Sand and Dust Storm Warning Advisory and Assessment System, WMO).
- Member of the Steering Committee HAMMOZ (Aerosol and Atmospheric Chemistry Modules for ECHAM), Chair: U. Lohmann, ETH Zürich, CH.

Curriculum vitae

Academic qualification

2009 Habilitation in Meteorology University of Leipzig
1992 PhD in Physics University of Heidelberg
1988 Diploma in Physics University of Heidelberg
1982-1988 Study of Physics University of Heidelberg

Research experience

Since 2012 Head of the Modeling Department the Leibniz Institute for Tropospheric Research, Leipzig
Since 2012 Professor at the Leipzig Institute for Meteorology University of Leipzig
2004-2012 Senior scientist Leibniz Institute for Tropospheric Research, Leipzig
1999-2004 Senior scientist Max-Planck-Institute for Biogeochemistry, Jena
1995 - 1999 Associate research scientist, Department of Applied Physics Columbia University, associated with NASA Goddard Institute for Space Studies, New York, USA
1992 - 1995 Postdoctoral researcher, Department of Applied Physics Columbia University, associated with NASA Goddard Institute for Space Studies, New York, USA
1989 - 1992 Research assistant, Heidelberg Science Academy Heidelberg, Germany
1987 - 1989 Research assistant, Institute for Environmental Physics University of Heidelberg, Germany

Publications

all publications

**Leibniz-Institut für
Troposphärenforschung e.V. (TROPOS)**
Permoserstraße 15
04318 Leipzig

Phone: ++49 (341) 2717 7060
Fax: ++49 (341) 2717 99 7060

Follow us on Twitter:
@TROPOS_de



The Leibniz Institute for Tropospheric Research is a member of the Leibniz Association.

© 2020 Leibniz Institute for Tropospheric Research. All rights reserved.