

Curriculum Vitae Prof. Dr. Martin Wild

Born: September 20, 1964, St. Gallen, Switzerland

Swiss citizen

Current Position

ETH Zurich, Institute for Atmospheric and Climate Science

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Degrees

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| 1990 | Dipl. Natw. ETH, specialization in climatology and atmospheric physics, ETH Zurich, Switzerland. Diploma thesis: "Numerical simulation of turbulent flows over heterogeneous surfaces". |
| 1996 | Dr. sc. nat. ETH, PhD Thesis: "The heat balance of the Earth in general circulation model simulations of present and future climates". |
| 2010 | Promotion to Adjunct Professor of ETH |

Guest Stays

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| 1990-present | Numerous stays at Max Planck Institute for Meteorology, Hamburg. Concentrated phase of extended stays 1990-1993 to introduce the first global climate model in Switzerland, and continuation of visits up to present (more than 20 guest stays). |
| 1991 | Visiting scientist, National Center for Atmospheric Research (NCAR) Climate and Global Dynamics Division, Boulder, Colorado, USA. |
| 1992 | Visiting scientist, European Centre for Medium-Range Weather Forecasts (ECMWF), Reading, UK. |
| 1997, 1999 | Visiting scientist (2 stays), CSIRO Division for Atmospheric Research, Melbourne, |
| 1997-1999 | Visiting scientist (3 stays), Massachusetts Institute of Technology (MIT), Center for Global Change Sciences, Boston, MA, USA |
| 1998 | Visiting scientist, Center for Climate System Research, University of Tokio, Japan |
| 1998-2006 | Visits to the Goddard Institute for Space Studies (GISS/NASA), New York, Dr. J. Hansen (1998); Hadley Centre for Climate Prediction and Research, Bracknell, UK, Dr. A. Slingo (2000); Seoul National University, Korea, Dr. I.S. Kang (2001); Australian National University, Canberra, Prof. G. Farquhar (2004); NASA Langley Research Center, Hampton VA, USA, Drs. B. Wielicki, P. Stackhouse (2006). |
| 2005 | Visiting scientist, Scripps Institution of Oceanography, Center for Atmospheric Sciences, La Jolla, California, USA (Prof. V. Ramanathan). |

Research interests

- Earth Radiation Budget, Earth Energy and Water Cycles
- Radiative forcing and global climate change
- Global Dimming and Brightening with implications for climate and environment
- Impact of climate change and air pollution on solar power (PV/CSP) production

Scientific Responsibilities

- Intergovernmental Panel on Climate Change (IPCC): Lead author 6th IPCC assessment report 2021 (AR6); Lead author 5th IPCC assessment report 2013 (AR5). Contributing author of 3rd (TAR) and 4th (AR4) IPCC assessment reports.
- PI of the Global Energy Balance Archive (GEBA), International data center for worldwide measured surface energy fluxes at ETH Zurich.
- PI and Co-PI in numerous SNF and ETH projects, the Swiss National Center of Competence in Climate Research (NCCR Climate) Phases I and II, responsible investigator Swiss contribution in several EU projects and the Alliance for Global Sustainability (AGS).
- Chair, International Radiation Commission (IRC) Working Group “Global Energy Balance”
- Chair Review board EUMETSAT/DWD CM-SAF, Scientific Steering Committee Member CLIVAR research focus “Consistency between planetary energy balance and ocean heat storage” (CONCEPT-HEAT); NASA-LIBERA Science Team member; EGU science officer
- Convener (session/workshop organizer): Session organizer at American Geophysical Union General Assemblies (2005, 2014 – 2022), European Geophysical Union General Assemblies (so far 17 sessions organized in a row 2006-2022), First Global Dimming Workshop, Ein Gedi, Israel, 2008, International Radiation Symposia (IRS) 2012, 2016, 2022, International Union of Geodesy and Geophysics (IUGG) General Assembly 2015, 2019, 2023, EMS 2022.
- Associate Editor, Journal of Geophysical Research (JGR, 2008-2019).
- Editor, Earth System Dynamics (ESD) (since 2014)
- Guest Editor, Journal of Geophysical Research (JGR), special issue on “Global Dimming and Brightening” (2008/2009)
- Frequent reviewer for numerous leading journals and research proposals of various institutions. Award for excellence in refereeing from the American Geophysical Union (AGU).
- Supervision of bachelor, masters and PhD Theses as well as PostDoc Projects, Chair of external PhD exams
- Teaching related to Radiation and Climate Change, Weather and Climate Models

Publication statistics

- 237 peer-reviewed publications in leading international journals (traced by ISIWeb of Science)
- Total times cited: 15'297 (ISI Web of Science), 25'858 (Google Scholar)
- h-index: 63 (ISI Web of Science), 78 (Google Scholar)
- Best cited paper: Wild et al. 2005 *Science* 913 citations (ISI), 1371 citations (Google Scholar)