

1. PERSONAL INFORMATION

Last name:	Seneviratne	Position:	Professor for Land-Climate Dynamics
Given names:	Sonia, Isabelle	Address:	Inst. for Atmospheric and Climate Science ETH Zurich, 8092 Zurich, Switzerland
Date of birth:	05.06.1974	Web page:	http://iacweb.ethz.ch/people/sonia
Place of birth:	Lausanne (VD), Switzerland	Twitter:	https://twitter.com/SJSeneviratne
Heimatort:	Lutry (VD), Switzerland	ORCID:	https://orcid.org/0000-0001-9528-2917
Citizenship:	Swiss	ResearcherID:	G-8761-2011
Family status:	Married, 2 children (04/10, 02/14)	GoogleScholar:	FS4800YAAAAJ
E-mail:	sonia.seneviratne@ethz.ch		

2. EDUCATION

1999-2002 **PhD in Atmospheric and Climate Science**, ETH Zurich, Switzerland (“Terrestrial Water Storage: A Critical Variable for Mid-latitude Climate and Climate Change”)

1995-1999 **MSc in Environmental Sciences** (Major: Atmospheric Physics), ETH Zurich, Switzerland; MSc / Diploma Thesis performed at MIT, USA (guest student)

1992-1995 **BSc in Biology** (“Pré-licence”), University of Lausanne, Switzerland

1992 **Maturité Fédérale, Type B** (Majors: Latin, English); **Baccalauréat Vaudois, Type BX** (Majors: Mathematics, Physics, Latin); Gymnase cantonal de Chamblandes, Pully (VD), Switzerland

3. PROFESSIONAL AND ACADEMIC EXPERIENCE

2016-present **Full professor**, ETH Zurich, Switzerland, Chair of Land-climate dynamics

2013-16 **Associate professor**, ETH Zurich, Switzerland, Chair of Land-climate dynamics

2007-12 **Assistant Professor**, ETH Zurich, Switzerland, Chair of Land-climate interactions

2005-07 **Senior Research Scientist / Oberassistentin**, ETH Zurich, Switzerland

2003-04 **Visiting Research Associate**, NASA/GSFC, Greenbelt, USA

2003 (9mo) **Postdoctoral Associate**, ETH Zurich, Switzerland

1996-97 (6mo) **Intern**, IUCN (World Conservation Union)/PROBONA (Proyecto Bosques Nativos Andinos), Quito, Ecuador

4. INSTITUTIONAL RESPONSIBILITIES

Deputy chair, Inst. for Atmospheric and Climate Science (2020-); ETH Global advisory board (2017-); Strategic Planning Committee (2014-present), Wirtschaftsbeirat, (2009-present) & Doctoral committee (2007-14), Department of Environmental Systems Science

5. APPROVED RESEARCH PROJECTS (PI or Co-PI; last 5 years)

2021-2022 **European Research Council (ERC)** Proof-of-Concept Grant “MESMER-X” (Lead PI), **150 k€**

2020-2022 SNF Project CECC in relation to COST Action DAMOCLES (CA17109), **155 kCHF**

2019-2023 EU H2020 4C, **250 kCHF**

2019-2022 ETH Grant DICE, **180 kCHF**

2017-2021 Copernicus Climate Change Service (C3S), project #511, **563 k€**

2015-2020 EU H2020 CRESCENDO, **370 kCHF** (funded through SBF)

2014-2019 **European Research Council (ERC)** Consolidator Grant (Lead PI), **1.95 mio €**; <http://www.drought-heat.ethz.ch>

2015-2017 ESA Climate Change Initiative (CCI), Soil moisture, Phase 2, **229 k€**

2014-2016 EU FP7 EUCLEIA, **298 k€**

6. SUPERVISION OF RESEARCHERS AT GRADUATE AND POST-GRADUATE LEVEL

PhD students, main supervisor (date of PhD defense):

Kathrin Wehrli (2020), Ryan Padron Flasher (2019), Heewon Moon (2019), Martha Vogel (2018: **ETH medal**), Clemens Schwingshackl (2018), Vincent Humphrey (2017; **ETH medal**; **SNF postdoctoral fellowship, California Institute of Technology**), Mathias Hauser (2017), Nadine Nicolai-Shaw (2016), Quentin Lejeune (2016), Stefanos Mystakidis (2016), Peter Greve (2015; **EGU OSP award**), Benoit Guillod (2014), René Orth (2013; **SNF postdoctoral fellowship MPI/ECMWF; Emmy-Noether group at MPI for Biogeochemistry**), Ruth Lorenz (2012), Brigitte Müller (2012), Heidi Mittelbach (2011), Paulo Oliveira (2011), Eric Jäger (2009)

Several PhD students led **first-author publications in high-impact journals** (Humphrey et al. 2018, Nature; Lejeune et al. 2018, Nature Climate Change; Guillod et al. 2015, Nature Comm.; Greve et al. 2014, Nature Geoscience; Müller and Seneviratne, PNAS)

Postdoctoral scientists:

Several supervised postdoctoral scientists, among others Edouard Davin, Lukas Gudmundsson, Jakob Zscheischler (now **independent research group leader, SNF Ambizione grant**, U. Bern), Benjamin Stocker (now **SNF Assistant Professor** at ETH Zurich), Wim Thiery (now **Assistant Professor tenure-track** at the Free University of Brussels (VUB), Adriaan J. Teuling (now **Associate Professor**, Wageningen University). Several postdoctoral scientists led **first-author publications** in high-impact journals (Thiery et al. 2020, Nature Comm.; Padron et al. 2020, Nature Geoscience; Stocker et al. 2019, Nature Geoscience; Zscheischler and Seneviratne 2017, Science Advances; Gudmundsson et al. 2017, Nature Climate Change; Gudmundsson et al. 2017, Nature Comm.; Thiery et al. 2016, Nature Comm.; Davin et al. 2014, PNAS; Teuling et al. 2010, Nature Geosci.)

7. TEACHING ACTIVITIES

BSc Lecture “Klimasysteme”; MSc Lecture “Land-Climate Dynamics”; and several other lectures from research group (e.g. MSc Field course, MSc “Measurements Methods in Meteorology and Climate research”) and Institute

8. ACTIVE MEMBERSHIP IN PANELS, BOARDS AND REVIEWING

[Institute council of Federal Institute of Metrology](#) (2020-); nominated by Swiss Federal Council (Bundesrat)

Coordinating Lead Author, IPCC 6th Assessment Report (2018-21): Chapter “**Weather and climate extreme events in a changing climate**”

Lead Author, IPCC Special report on 1.5°C warming (2017-18) [<https://ipcc.ch/report/sr15/>]

Co-lead of World Climate Research Programme (WCRP) Extremes Grand Challenge (2015-present)

Co-chair of WCRP of Scientific Steering Group of Global Energy and Water Exchange Project (GEWEX) (2014-18)

Coordinating Lead Author, IPCC Special report on Climate extremes and disasters (2009-12) [<https://www.ipcc.ch/report/srex/>]

9. ACTIVE MEMBERSHIP IN SCIENTIFIC SOCIETIES

American Geophysical Union (Fellow since 2013); European Geosciences Union; Swiss Society for Meteorology

10. ORGANISATION OF CONFERENCES

European Geosciences Union (2006-pres.): Convener/ co-convener, session “Land-climate interactions from models & observations”

[GEWEX Science Conference “Extremes and water on the edge”](#), 05/18 (>450 abstracts); co-chair, scientific organizing committee

11. PRIZES, FELLOWSHIPS, DISTINGUISHED MEMBERSHIPS

2021 European Geosciences Union Hans Oeschger Medal (<https://www.egu.eu/news/701/egu-announces-its-2021-awards-and-medals/>)

2020 European Research Council Proof-of-Concept Grant (“MESMER-X” project)

2020 Boussinesq Lecture, Boussinesq Center for Hydrology, <https://boussinesqcenter.nl/boussinesq-lectures/>

2014-20 Highly cited researcher in Geoscience (<https://recognition.webofscience.com/awards/highly-cited/2020/>); listed every year since 2014)

2014-19 European Research Council Consolidator Grant (“DROUGHT-HEAT” project)

2013 James B. Macelwane Medal, American Geophysical Union (AGU)

2013 Fellow, American Geophysical Union (AGU)

2012 Editor’s Citation for Excellence in Refereeing for Geophysical Research Letters, AGU

12. PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED JOURNALS

>200 publications since 2002, including articles in Nature (9), Science (4), PNAS (3), Nature Geoscience (4), Nature Climate Change (7), Nature Communications (5), and Science Advances (1)

Updated publication lists:

<https://iac.ethz.ch/group/land-climate-dynamics/seneviratne/publications.html>;

ORCID: <https://orcid.org/0000-0001-9528-2917> ; ResearcherID: [G-8761-2011](https://orcid.org/0000-0001-9528-2917)

h index: ISI Web of Knowledge: **73**; Google Scholar: **86** (<https://scholar.google.de/citations?user=FS4800YAAAAJ>)

Total citations (without with self citations) 20’529

2020 **ISI highly cited researcher** (<https://recognition.webofscience.com/awards/highly-cited/2020/>); listed since 2014

13. ORAL CONTRIBUTIONS TO INTERNATIONAL CONFERENCES AND INVITED SEMINARS/KEYNOTES

More than 100 oral presentations at conferences, workshops and institutions, list available at: <https://iac.ethz.ch/group/land-climate-dynamics/seneviratne/presentations.html> (also including presentations for non-scientific public)

Regular invited presentations at American Geophysical Union (AGU) Fall meeting and at General Assembly of European Geosciences Union, and at various international conferences (e.g. Herrenhäuser Conference 2019, Heidelberg Laureate Forum 2019, IPCC-Sponsored Scenario Forum 2019, General Assembly of European Meteorological Society 2018, Gordon Research Conference on Biogenic Hydrocarbons and the Atmosphere 2018, 5th International Conference on Reanalysis 2017, 1.5°C Conference at Oxford University 2016, UNESCO Kovacs Colloquium 2016)

14. OUTREACH

Numerous outreach activities and presentations for general / non-scientific public, e.g.: [Institut de France, Académie des Sciences](#), Paris, France, 01/20 (Invited seminar); [Workshop for new Swiss Parliament members](#), Gerzensee, 01/20 (Invited seminar); [Irish Parliament \(Oireachtas\), Testimony to Joint committee on climate](#), 11/18 (Invited testimony); [Policy Briefing at European Parliament](#), Brussels (Belgium/EU), 02/17 (Keynote speaker); [World Economic Forum: Annual meeting of the new champions \(ETH IdeasLab\)](#), Tianjin (China), 09/14 (Invited speaker)

Twitter account: <https://twitter.com/SISeneviratne> (>5’000 followers)

15. CAREER BREAKS

Maternity leaves in 2010 (2 months) and 2014 (3 months)