

## Stefan WIEMER

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Nationality: Swiss and German

[www.seismo.ethz.ch](http://www.seismo.ethz.ch)

### Education

<b>PhD in Geophysics</b>	<b>1992 - 1996</b>
University of Alaska Fairbanks, USA. Advisor: Professor M. Wyss	
<b>MSc in Geophysics</b>	<b>1986 - 1992</b>
Ruhr University, Bochum, Germany. Advisor: Professor H-P. Harjes	

### Professional Career

<b>Full Professor of Seismology and Director Swiss Seismological Service</b>	<b>from 06/2013</b>
ETH Zurich, Department of Earth Sciences, Switzerland	
<b>Head, Institute of Geophysics, ETH Zurich</b>	<b>06/2012 - 06/2020</b>
<b>Director (a.i.) Swiss Seismological Service</b>	<b>01/2012 - 05/2013</b>
ETH Zurich, Department of Earth Sciences, Switzerland	
<b>Professor of Geophysics ("Titular Professor")</b>	<b>01/2008 - 05/2013</b>
ETH Zurich, Department of Earth Sciences, Switzerland	
<b>Visiting Scientist</b>	<b>11/2007 - 03/2008</b>
GNS Science, Lower Hutt, New Zealand	
<b>Senior Researcher</b>	<b>01/1999 - 10/2007</b>
ETH Zurich, Department of Earth Sciences, Switzerland	
<b>Post-doctoral Researcher</b>	<b>09/1997 - 12/1998</b>
Seismological and Volcanological Research Department, Japan Meteorological Agency (JMA), Tsukuba, Japan	
<b>Post-doctoral Researcher</b>	<b>09/1996 - 08/1997</b>
University of Alaska Fairbanks, USA	

### Awards

<b>ERC Synergy Grant Award, project FEAR (PI: Giardini, Wiemer, Cocco, Amman)</b>	<b>2019</b>
<b>Fellow of the Alexander von Humboldt Foundation, Germany</b>	<b>1997</b>
<b>IASPEI software development scholarship</b>	<b>1994</b>

### Teaching, Education and Outreach Experience

- Lecturer at ETH Zurich since 1999 (various classes).
- Lecturer at the University of Bern since 2014 (Geophysics I and II).
- Supervised 21 PhD students, 13 diploma/MSc and 5 BSc students at ETH Zurich.
- Has made some 190 presentations at scientific symposia, 55 invited and 60 public lectures. Has given around 50 TV, 180 radio and 120 newspaper interviews on global/Swiss earthquakes and on seismology in general.
- Project coordinator of the earthquake part of the ETH 150-year celebration *Welten des Wissens* (Worlds of Knowledge) in 2005. Responsible for earthquake exhibits at the 2006 OLMA, *Foire du Valais* (Fair of Valais) 2006, 2007 Zuespa and 2007 Science City event.
- Responsible for the content of the earthquake section of the FocusTerra Museum at ETH Zurich.

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## Commissions of Trust (selected)

- Member of the ERC Consolidator and Advanced Grants evaluation panel (from 2015).
- Member of the ETH Tenure Committee (from 2017).
- Member of the International Expert Panel on Mining Effects appointed by the Dutch Minister of Economic Affairs (from 5/2017) and advisor to the Dutch regulator for natural resources (the State Supervision of Mines (SodM), from 2015).
- Swiss delegate in the European Academies Science Advisory Council working group on carbon capture and storage (2014-2015).
- Leader of the International Partnership for Geothermal Technology (IPGT) working group on induced seismicity (from 2014).
- Member of LAINAT, the Swiss Steering Committee on Intervention in Natural Hazards (since 2013).
- Board member of ORFEUS (from 2014), ISC (from 2016), geothermie.ch (2013-2016) and Swiss Geophysical Commission (SGPK, from 2015). President of the SKPG since 2021.

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## Publications

- 181 publications in peer-reviewed journals since 1994 ( $h_{scopus}=50$ , >9100 ISI cites;  $h_{google}=61$ ,  $RG=42$ ).
- Associate editor of the Bulletin of the Seismological Society of America (2004 - 2011).
- Guest editor of Tectonophysics, special issue "New aspects of seismic activity in Kanto Tokai, Japan" (2006). Guest editor of Annals of Geophysics, CSEP Italy special issue (2010). Guest editor of the Bulletin of Earthquake Engineering special issue on REAKT (2016).
- Co-Editor of the Swiss Technology Assessment study "*Energy from the Earth*" (2015, 550 pages).

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## Responsibilities (selected)

### Management Responsibilities

- Director of the SED (staff: 75) and head of the Earthquake Analysis section (staff: 30).
- Project manager for GEM1 (2009-2010), the pilot project of the Global Earthquake Model, a public-private partnership for earthquake risk assessment worldwide.
- Principal investigator (PI) in 12 Swiss National Science Foundation or ETH internal projects, host of three ETH fellows, two Marie Heim-Vögtlin fellows and one ETH Pioneer fellow. CO-PI of the ETH Competence Center projects CARMA and GEOTHERM, PI and coordinator for GEOTHERM-2.
- Coordinator of the EC Horizon2020 project RISE (2019-2022) and GEOTHERMICA projects COSEISMIQ (2018-2021) and DEEP (2020-2023). CO-PI of EC Horizon2020 project DESTRESS (2016-2020) ELEGANCY (2017-2020), CORE (2021-2024), EC FP7 project REAKT (2011–2014), EC FP7 project GEISER (2010–2013) and EC6 FP Project NERIES (2006-2010;).
- PI of the ERC Synergy Grant FEAR (2019-2025). Coordinator of Swiss National Science Foundation NFP70 interdisciplinary project on Risk Governance of Deep Geothermal and Hydro Energy.

### Hazard and Risk Responsibilities

- Responsible for the release of the 2004 and 2015 Swiss National Seismic Hazard Models. Responsible for the creation of the first Swiss national seismic risk model (2017 - 2022).
- Expert on source parameterisation for the evaluation of the seismic hazard at four Swiss nuclear power plant sites (PEGASOS, 2001 - 2004), (PEGASOS refinement project, 2008-2012).
- Coordinator of EFEHR, the network of European Facilities for Earthquake Hazard and Risk, an EPOS service ([www.efehr.org](http://www.efehr.org), 2017 - 2020).

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## Service to the Scientific Community

- Organiser of the Schatzalp (Davos) international conferences on induced seismicity (2015 and 2017, 180 participants), and the Lenzburg workshop on Probabilistic Seismic Hazard Assessment (2017, 170 participants). Organiser of 18 special sessions at scientific meetings.
- Initiator and lead author of the Community Online Resource for Seismicity Analysis (CORSSA, [www.corssa.org](http://www.corssa.org)).
- Reviewer of > 250 articles for scientific journals and numerous proposals for various funding agencies.