

## Curriculum Vitae

### Personal data

<i>Name, first name</i>	Lehning, Michael
<i>Titel</i>	Prof., Dr. sc. nat.
<i>Date / place of birth</i>	17.10.1967
<i>Nationality</i>	CH and D
<i>Address (office)</i>	WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11, CH-7260 Davos Dorf
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### Education

1993	Geoecology (Major Meteorology / Hydrology) Universität Bayreuth (Diplom)
1993	Atmospheric Sciences, University of California (Master of Science)
1996	Statistics (Post Graduate Studies)
1997	Atmospheric Physics (PhD)

### Work Experience

2018 -	Head Group "Snow Processes" WSL/SLF
2011 -	Full Professor and Director Laboratory "Cryospheric Sciences" EPFL
2006 - 2018	Head Research Unit „Snow and Permafrost“
2001	Head Research and Development Team „Process Models“
1997	Scientific Collaborator SLF Davos

### Institutional Responsibilities (Selection)

2021	Scientific Co-director, EPFL-UNIL CLIMACT center on climate impact and action ( <a href="http://www.climact.ch">www.climact.ch</a> )
2006 - 2018	Leading diverse groups, the WIKOM (IT Commission) and a research unit (approx. 40 people) at WSL
2014 -	Gender Equality Working Group at EPFL, Search Committees, Strategic Planning Campus Sion

### Competitive Research Grants / Awards (Selection)

<u>Amount</u>	<u>Founding Agency / Year</u>	<u>Titel</u>
CHF 1.3 M	Swiss Federal Office of Energy (25% success / 2021)	SWEET-EDGE: Enabling Decentralized renewable GEneration in the Swiss cities, midlands, and the Alps
CHF 1.3 M	Swiss National Science Foundation / 2019	From Cloud to Ground: Snow Deposition in Extreme Environments
CHF 470000	EU – FP7 (H2020) / 2017	Provision of a prediction system allowing for management and optimization of snow in Alpine ski resorts

### Spin - Offs

2013	ALPsolut s.r.l.: Providing snow services to practitioners ( <a href="http://www.ALPsolut.eu">www.ALPsolut.eu</a> )
2020	SUNWELL Sarl: Planning high-yield PV installations in snowy mountains

## Memberships in Societies

American Geophysical Union, European Geophysical Union, American Meteorological Society, International Glaciological Society

## Supervision of theses (academic main lead)

2022 (ongoing)	Yasmine Zakari, Armin Sigmund, Daniela Brito Melo, David Wagner, Anna Karpova, Fanny Kristianti, Tatjana Milojevic, Dylan Reynolds, Michael Haugeneder, Océane Hames
2002 -	Total of 23 Ph.D. theses supervised; Participation in 14 external Ph.D. committees and 3 habilitation committees

## Supervision of selected Postgraduates (academic main lead)

ongoing	Annelen Kahl, Benjamin Walter, Joel Fiddes-Caduff, Varun Sharma, Franziska Gerber
- 2017	Rebecca Mott (currently Career Position WSL), Nander Wever, Enrico Paterna, Johan Gaume (now SNF Eccellenza), Michele Guala (now Professor University of Minnesota), Costantino Manes (Now Professor University of Torino)

## Teaching (Main Classes)

2016	MOOC (edX: A Resilient Future: Science and Technology for Disaster Risk Reduction)
2012 -	Snow Physics and Snow Hydrology EPFL, MA (4 ECTS)
2012 -	Atmospheric Physics and Chemistry EPFL, BA (5 ECTS)

## Panels Boards and Reviews (Academic and Implementation)

2020	Editor in Chief: Frontiers in Earth Sciences, Section Cryospheric Sciences
2019	Expertengruppe "Klima – Schnee – Sport" des DSV (Deutscher Skiverband)
2017	Science and Technology Advisory Board: Swiss Polar Institute (SPI)
2016 -	Editor (AE): Frontiers in Cryospheric Sciences
2013	National Scientific Promotion Committee of Italy "Abilitazione scientifica nazionale alle funzioni di professore di prima e seconda fascia" (2013: 450 candidates)
2013 - 2016	Scientific Committee of the Center for Risk Analysis and Risk Governance at EPFL
2005 - 2013	Editor (AE) AGU Journal "Water Resources Research"

## Expeditions

2016/17	Setup of Autonomous Measurement Stations for Blowing Snow and Surface Mass Balance in East Antarctica (responsible PI and participant)
1998 -	Field campaigns in high mountains in Switzerland (Davos, Valais), the Arctic (MOSAIC, Samoylov, North Pole), and Antarctica (Davis, Syowa, Princess Elisabeth)

## Conference Organization (Main Lead)

2018	Chair LOC: Joint SCAR / IASC Conference Polar2018 in Davos, 2500 participants, <a href="http://www.polar2018.org">www.polar2018.org</a>
2013	Chair Scientific Program Committee IAMAS / IACS Conference D, 1200 participants, <a href="http://www.daca-13.org">www.daca-13.org</a>

## Summary Publication Record (h-index, number of citations)

Google Scholar: H-60; Citations-13019

ISI (Thompson): H-45; Citations-7509