

# CURRICULUM VITAE Olivia Romppainen-Martius

## 1. Personal information

Institute of Geography and Oeschger Centre for Climate Change Research, University of Bern

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Google scholar: <https://scholar.google.ch/citations?user=lc5gMYEAAAAJ&hl=en>

## 2. Education

2005 ETH Zurich, Ph.D.

2002 ETH Zurich, Dipl. Natw. ETH

## 3. Employment history

2014 - today	Associate Professor, Institute of Geography, University of Bern
2010 – 2014	Assistant Professor, Institute of Geography, University of Bern
2013 – present	Director Mobiliar Lab for Natural Risks, University of Bern
2008 – 2010	Senior Scientist (50%), Institute for Atmospheric and Climate Science, ETH Zurich
2008 – 2010	Coordinator of the Master Program in Atmospheric and Climate Science (50%), IACETH, ETH Zürich
June – December 2007	Visiting Scientist, Department of Applied Physics and Applied Mathematics, Columbia University
2005 – June 2007	Postdoc, Institute for Atmospheric and Climate Science, ETH Zurich
2002 – 2005	Graduate Research, Institute for Atmospheric and Climate Science, ETH Zurich

## 4. Institutional responsibilities

Director Mobiliar Lab for Natural Risks ([www.mobiliarlab.unibe.ch/](http://www.mobiliarlab.unibe.ch/))

Head of the equal opportunity commission of the faculty

## 5. Approved research projects (ongoing projects only)

- Predictability of high IVT events in Switzerland, funded by the Federal Office of the Environment (12 months Postdoc, until summer 2018, PI)
- Link between blocking and flood events, funded by the Swiss Science Foundation (PhD Project until summer 2018, PI)
- Rossby wave initiation processes, funded by the Swiss Science Foundation (PhD project, until fall 2018, PI)

## 6. Graduate Student Supervision

### **Former PhD Students**

- P. Froidevaux, Flood triggering precipitation events, 2011 – 2014
- P. Giannakaki, Heavy precipitation in Northern Switzerland, 2012 – 2015
- S. Trefalt, Radar based analysis of severe convective storms in Switzerland, 2014 – 2017
- P. Stucki, Wind storms in Switzerland, 2012 – 2015 (co-supervision)
- L. Quandt, Variability of a Summer Block in Medium-Range and Subseasonal Ensemble Forecasts, 2014 – 2017 (co-supervision)

### **Current PhD Students**

- L. Nisi, Climatological analyses of hail in Switzerland, 2012 – September 2018
- S. Lenggenhager, Link between floods and atmospheric blocking, 2015 – April 2018
- M. Röthlisberger, Triggering mechanisms of synoptic-scale Rossby waves, 2015 – September 2018
- Y. Barton, A radar and observation based high-resolution precipitation data set for Switzerland, 2015 – February 2019
- R. Mülchi, Integrated vapor transport in CMIP5 models, 2017 – May 2020
- H. Barras, Verification of radar-based hail algorithms, 2017 – May 2020

## **7. Teaching activities**

I teach both bachelor level and master level classes in meteorology and climatology every semester (see [www.ksl.unibe.ch](http://www.ksl.unibe.ch) for more details)

## **8. Memberships in panels, boards and review activities**

Member of the WWRP Working Group on Predictability, Dynamics and Ensemble Forecasting ([https://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRPSSC7\\_PD\\_EF\\_report\\_v4.pdf](https://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRPSSC7_PD_EF_report_v4.pdf))

Member of the SPARC scientific steering group (<http://www.sparc-climate.org>)

Co-lead WCRP Grand Challenge on Extremes (<http://www.wcrp-climate.org/understanding-and-predicting-weather-and-climate-extremes>)

Member of the extra-parliamentary commission on natural hazards in Switzerland Planat (<http://www.planat.ch/en/planat/>). This commission advises Swiss policymakers on the management of natural hazards.

Reviewer of approx. 12 articles per year.

Reviewer for the Swiss National Science Foundation, NERC, the American Science Foundation, and the South African Science Foundation.

## **9. Professional Memberships**

American Meteorological Society (AMS), European Geophysical Union (EGU), Swiss Meteorological Society (SGM), IAMAS International Commission of Dynamical Meteorology (ICDM)

## **10. Organization of conferences**

Co-convener Atmospheric Dynamics Session at EGU, 2010 – 2014; Session organizer Dynamics Session, DACA-13, 2013; Co-convener Dynamics Session IUGG 2015; Member of the scientific committee of the 2013 ICDM Meeting on Extreme Events; Head of conference board 1<sup>st</sup> and 2<sup>nd</sup> European Hail Workshop, June 2014, April 2017, Bern; Scientific committee of the 5<sup>th</sup> Workshop on European Storms, 31.8 – 2.9. 2015, Bern; Organising committee Blocking workshop April 2016, Reading; Co-convener GEWEX OSC2018 Storms and weather extremes session; Co-convener GEWEX OSC2018 Storms and weather extremes session; Scientific committee SPARC General Assembly October 2018

## **11. Career breaks**

I have been on maternity leave in 2012 and in 2016 and work 80% since 2012 and have reduced my travel activities.