Lukas Brunner

curriculum vitae

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Personal Data

Name	Lukas Brunner
Date of Birth	January 9, 1990
Nationality	Austrian

Professional Experience

05/2018 - present **Postdoctoral scientist**, Institute for Atmosphere and Climate, ETH Zurich
- Research on the evolution of global and European climate
- Project coordination and cooperation with partner universities in Europe
- Statistical analysis and visualisation of climate data with Python and Bash
- Presentation of results at international conferences and in scientific journals
- Supervision of students, lecturing of courses, and public outreach

10/2014 - 03/2018 **Predoctoral scientist**, Wegener Center, University of Graz, Austria
- Research with a focus on satellite remote sensing and temperature extremes
- Statistical analysis and visualization of satellite data with Python
- Presentation of results at international conferences and in scientific journals
- Lecturing of courses and public outreach

International Experience

04/2017 - 09/2017 **Center for International Climate Research (CICERO)**, Norway
- Collaboration on different projects and publication of a scientific paper
- Funded by the Austrian Exchange Service/Austrian Ministry of Science

10/2015 - 03/2016 **School of Geosciences, University of Edinburgh**, United Kingdom
- Collaboration on different projects and publication of a scientific paper

Volunteering and Committee Work

2018 - present **Board member and secretary general** Club Alpbach Vorarlberg, Austria
- Organisation of scholarships and events for the European Forum Alpbach
- Operational management of the Club Alpbach Vorarlberg in a small team

2018 - present **Mittelbau representative**, Insitute for Atmosphere and Climate, ETH Zurich
- Organisation of events and contact person for internal issues

2016 - 2018 **Volunteer**, Caritas Graz, Austria

2012 - 2018 **Student representative in different committees**, University of Graz, Austria

Education

03/2018	**Dr. rer. nat. in Climate physics**, University of Graz, Austria
Thesis	A new perspective on atmospheric blocking – detection, analysis, and impacts
07/2014	**MSc. in Geophysics**, University of Graz, Austria
Thesis	Stratospheric ozone and temperature evolution over the past decades
10/2012	**BSc. in Physics**, University of Graz, Austria
06/2008	School leaving examination

Awards and scholarships

2018	Performance scholarship for my PhD project, University of Graz
2018	Scholarship as seminar assistant European Forum Alpbach 2018, EFA Foundation
2017 - 2018	Member PRO SCIENTIA, Österreichisches Studienförderungswerk
2017	Scholarship European Forum Alpbach 2017, Club Alpbach Vorarlberg
2016	Marietta Blau Scholarship, Austrian Exchange Service/Austrian Ministry of Science
2016	Scholarship European Forum Alpbach 2016, Club Alpbach Vorarlberg
2009 - 2013	Performance scholarships (3 times), University of Graz

Selected Publications

09/2019	**Brunner, L.**, R. Lorenz, M. Zumwald, and R. Knutti: Quantifying uncertainty in European climate projections using combined performance-independence weighting. *Env. Res. Let.* DOI: `https://doi.org/10.1088/1748-9326/ab492f`
01/2018	**Brunner, L.**, N. Schaller, J. Anstey, J. Sillmann, and A. K. Steiner: Dependence of present and future European temperature extremes on the location of atmospheric blocking. *Geophys. Res. Lett.*, 45, DOI: `https://doi.org/10.1029/2018GL077837`
11/2016	**Brunner, L.**, G. C. Hegerl, and A. K. Steiner: Connecting atmospheric blocking to European temperature extremes in spring, *J. Climate*, 30.2, DOI: `https://doi.org/10.1175/JCLI-D-16-0518.1`

Interests and Skills

Language

German	native
English	fluent (speaking, reading, writing)

IT

Systems	GNU/Linux, Microsoft Windows
Coding	Advanced in: Python, Bash; Proficient in: C++, Mathematica, R
Software	LaTeX, Git, SVN, Office applications

Other Skills and Hobbies

Enthusiastic about open access licensing and open science; holder of the 2. Dan in Shotokan Karate; Hiking and Skiing

References

References upon request