

Curriculum Vitae – Blaž Gasparini

Dr. Blaž Gasparini
Senior Scientist
University of Vienna, Department of Meteorology and Geophysics
blaz.gasparini@univie.ac.at
ORCID: <https://orcid.org/0000-0002-7177-0155>
<https://blazgasparini.wixsite.com/blaz-gasparini-site>
<https://klimadynamik.univie.ac.at/>

WORK EXPERIENCE

2024 – Senior Scientist, University of Vienna, Austria
2021 – 2023 Marie Curie Fellow (postdoc), University of Vienna, Austria
2021 Swiss National Science Foundation (SNSF) Mobility Fellow (postdoc), University of Vienna, Austria
2018 – 2020 SNSF Mobility Fellow (postdoc), University of Washington, USA
2017 Scientific collaborator, Institute for Youth Participation, Health and Sustainable Development, Ljubljana, Slovenia
2017 Postdoc, ETH Zurich, Switzerland
2013 Intern in Climate Modeling, Pacific Northwest National Laboratory, USA
2010 Intern in Experimental Nanoscience, TASC Laboratory for Advanced Technology and Nanoscience, Italy

EDUCATION

2016 PhD, ETH Zurich, Switzerland
2013 Master of Science ETH in Atmospheric and Climate Science, ETH Zurich, Switzerland
2011 Bachelor of Science in Physics, University of Trieste, Italy

FELLOWSHIPS AND AWARDS

2021 Marie Curie Postdoctoral Fellowship, University of Vienna, Austria (175 k €)
2019 College of the Environment Student Travel Fund, University of Washington, USA
2019 UW Office of Postdoctoral Affairs Travel Award, University of Washington, USA
2019 SNSF Postdoc.Mobility Fellowship, University of Washington, USA and University of Vienna, Austria (61 k CHF)
2018 Early career presentation award, CFMIP meeting, Boulder, USA
2018 SNSF Postdoc Early.Mobility Fellowship, University of Washington, USA (81 k CHF)
2011 Ad Futura scholarship for studies abroad, ETH Zurich, Switzerland (19 k €)
2007 Zois excellency scholarship, University of Trieste, Italy

TEACHING ACTIVITIES AND STUDENT SUPERVISION

2023 – 2024 Modeling and Data Analysis, University of Vienna, Austria
2024 Atmospheric Thermodynamics, University of Vienna, Austria
2021 – 2024 Coordinator of Paper Club and chair of MSc seminar, University of Vienna, Austria
2013 – 2016 Teaching assistant for "Cloud Microphysics" and "Cloud Dynamics", ETH Zurich, Switzerland

- 2015 – 2023 (Co-) supervisor of Master Thesis projects (University of Vienna, ETH Zurich): 3
 2015 – 2023 (Co-) supervisor of Bachelor Thesis projects (University of Vienna, ETH Zurich): 5
 2018 (Co-) supervisor of summer intern projects (University of Washington): 1

SCIENTIFIC AND OTHER LEADERSHIP ACTIVITIES

- 2024 – Member of the Executive Committee of the International Commission on Clouds and Precipitation
 2024 – Member of the advisory board of the Co-CREATE project
 2024 – Member of the conference for the Faculty of Earth Sciences, Geography and Astronomy
 2024 Organizer of the pre-EGU Ice Cloud Workshop
 2023 – Co-chair of the GMRC’s working group on cirrus clouds
 2021 AGU Fall Meeting, “Cirrus in the UTLS” session convener
 2019 EGU General Assembly, “Atmospheric Ice Particles” session convener
 2015 – 2016 Member of the departmental teaching commission, ETH Zurich
 2015 Organizer of the PhD retreat, ETH Zurich
 2010 Climate advocate, British Council Slovenia
 2008 – 2014 Project leader (climate and sustainability), Youth Network No Excuse Slovenia

MAJOR COLLABORATION

- 2018 – 2024 NSF PIRE initiative on tropical cirrus clouds

INVITED TALKS

To date I have delivered 21 invited talks (1 upcoming). This includes the TPChange Annual Science Meeting (2025), CloudSense Annual Science Meeting (2024), ICCP conference (2024), ICCP seminar series talk (2024), Clouds containing ice particles workshop (2023), the GENIE project meeting (2023), Assla Symposium (2023), EGU General Assembly 2022, Gordon Conference on Climate Engineering 2022, Symposium Dürnstein (2022), Geoengineering Modeling Research Consortium (2021), departmental seminars at BOKU University (2024), DLR Oberpfaffenhofen (2024), Dalhousie University (2024), IBS Busan (2023), Imperial College (2021), and Laboratoire de Météorologie Dynamique (2x), Slovenian Meteorological Association and for the Association of Slovenians educated abroad (2x).

KEY PUBLICATIONS

1. **Gasparini, B.**, Voigt, A., Mandorli, G., Stubenrauch, C. (2024): Basic physics predicts stronger high cloud radiative heating with warming, *Geophys. Res. Lett.*, 51, e2024GL111228, <https://doi.org/10.1029/2024GL111228>.
2. **Gasparini, B.**, Sullivan, S.C., Sokol, A.B., Kärcher, B., Jensen, E., Hartmann, D.L. (2023): Opinion: Tropical cirrus — From micro-scale processes to climate-scale impacts, *Atmos. Chem. Phys.*, 23(24), <https://doi.org/10.5194/acp-23-15413-2023>.
3. Dinh, T., **Gasparini, B.**, Bellon, G. (2023): Clouds and radiatively induced circulations, *AGU Monograph Series: Cloud Physics and Dynamics: Showers and Shade from Earth’s Atmosphere*, <https://agupubs.onlinelibrary.wiley.com/doi/10.1002/9781119700357.ch11>.

4. **Gasparini, B.**, Rasch, P.J., Hartmann, D.L., Wall, C. J., Dütsch, M. (2021): A Lagrangian Perspective on Tropical Anvil Cloud Lifecycle in Present and Future Climate, *JGR-A*, 126(4), e2020JD033487, <https://doi.org/10.1029/2020JD033487>.
5. **Gasparini, B.**, McGraw, Z., Storelvmo, T., Lohmann, U. (2020): To what extent can cirrus cloud seeding counteract global warming?, *Env. Res. Lett.*, 15:054002, <https://doi.org/10.1088/1748-9326/ab71a3>.
6. **Gasparini, B.**, Blossey, P.N., Hartmann, D.L., Lin, G., Fan, J. (2019): What drives the Life Cycle of Tropical Anvil Clouds?, *J. Adv. Model. Earth Syst.*, 11(9), <https://doi.org/10.1029/2019MS001736>.
7. **Gasparini, B.**, Meyer. A., Neubauer, D., Münch, S., Lohmann, U. (2018): Cirrus Cloud Properties as Seen by the CALIPSO Satellite and ECHAM-HAM Global Climate Model, *J. Clim.*, 31(5), <https://doi.org/10.1175/JCLI-D-16-0608.1>.
8. Lohmann, U, **Gasparini, B.** (2017): A cirrus cloud climate dial, *Science*, 357, <https://doi.org/10.1126/science.aan3325>.
9. **Gasparini, B.**, Lohmann, U. (2016): Why cirrus cloud seeding cannot substantially cool the planet, *JGR-A*, 121, <https://doi.org/10.1002/2015JD024666>.