Julia Kukulies

Education

2018– ongoing **PhD candidate in Natural Sciences, Advisor: Prof. Deliang Chen**,
Regional Climate group, Department of Earth Sciences, University of Gothenburg, Sweden,
Project: Observing and Modeling the Atmospheric Water Cycle in the Tibetan Plateau region.

2017–2018 **M. Sc. in Atmospheric Sciences**, *Final grade: VG (Excellent)*,
Department of Earth Sciences, University of Gothenburg, Sweden.

2013–2016 **B. Sc. in Earth Sciences with Major in Climatology**, *Final grade: VG (Excellent)*,
Department of Earth Sciences, University of Gothenburg, Sweden.

Internships and Research visits

Oct 2021–May 2022 **National Center for Atmospheric Research, Boulder, Colorado, USA**,
ASP Graduate visitor program, Host: Dr. Andreas Prein,
Project: Convection-permitting climate simulations in the Third Pole region.

Sep–Dec 2017 **School of Atmospheric Sciences, Nanjing University, China**,
Research visit in Aerosol-cloud research group, Host: Prof. Minghuai Wang,
Project: Satellite observations of convective clouds over the Tibetan Plateau.

Jun–Sep 2016 **Max Planck Institute for Meteorology, Hamburg, Germany**,
Internship in Hydrological group, Host: Dr. Tobias Stacke,
Project: Validation of a global dynamical wetland scheme in land-atmosphere coupled simulations.

Jun–Aug 2014 **Helmholtz Centre for Ocean Research, Kiel, Germany**,
Internship in Paleoclimatology and Natural Resources, Host: Dr. rer. nat. Warner Brückmann.

Extracurricular activities

2018–2021 **Coordinator in GAC (Gothenburg Air and Climate Network) Board**.

2018–2021 **Executive Secretary of APECS (Association of Polar and Alpine Early Career Scientists)**.

Skills

Computer Python (*Advanced*), Linux and Bash scripting (*Good*), NCO/CDO (*Good*), R (*Basic*), Matlab (*Basic*)

Utilities Anaconda, Git, Jupyter Notebook, Slurm

Languages German (*Mothertongue*), English (*Fluent*), Swedish (*Fluent*), French (*Good*), Spanish (*Basicr*)

Publications

Kukulies, J., Chen, D. and Curio, J. (2021). The Role of Mesoscale Convective Systems in Precipitation in the Tibetan Plateau Region. Journal of Geophysical Research: Atmospheres, 126(23), e2021JD035279.

Zhang, X., Yin, Y., **Kukulies, J.**, Li, Y., Kuang, X., He, C., and Chen, J. (2021). Revisiting Lightning Activity and Parameterization Using Geostationary Satellite Observations. Remote Sensing, 13(19).

Lai, H. W., Chen, H. W., **Kukulies, J.**, Ou, T. and Chen, D. (2020). Regionalization of seasonal precipitation over the Tibetan Plateau and associated large-scale atmospheric systems. Journal of Climatology, 1-45.

Kukulies, J., Chen, D. and Wang, M. (2020). Temporal and spatial variations of convection and precipitation over the Tibetan Plateau based on recent satellite observations. Part II: Precipitation climatology derived from GPM. International Journal of Climatology.

Kukulies, J., Chen, D. and Wang, M. (2019). Temporal and spatial variations of convection and precipitation over the Tibetan Plateau based on recent satellite observations. Part I: Cloud climatology derived from CloudSat and CALIPSO. International Journal of Climatology.

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