

## 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*,  
Project: Temporal and spatial variability of convection, clouds and precipitation over the Tibetan Plateau derived from recent satellite retrievals.
- 2013–2016 **B. Sc. in Earth Sciences with Major in Climatology, Final grade: VG (Excellent)**,  
*Department of Earth Sciences, University of Gothenburg, Sweden*,  
Project: Major ion deposition in the accumulated winter snowpack in northern 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*.

## Awards and Grants

- 2022 **SciPy Financial Aid Scholarship**,  
*Texas, USA*.
- 2021 **NCAR Advanced Study Program for graduate visitors**,  
*Colorado, USA*.
- 2019 **Travel fund to International Conference on Regional Climate-CORDEX 2019**,  
*China*.
- 2018 **Research Fund Adlerbertska Stiftelse**,  
*Sweden*.
- 2018 **Sven Lindqvists forskningsstiftelse**,  
*Sweden*.

## 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)**.

## Contributions to research community

**Reviewer for the following scientific journals**,  
*JGR Atmosphere, Journal of Climate, Journal of Applied Meteorology and Climatology, International Journal of Climatology*.

---

## Presentations at conferences

- 2022 **Process-oriented evaluation of kilometer-scale simulations of a mesoscale convective system in the Sichuan basin**,  
*Swedish Climate Symposium, Sweden.*
- 2022 **The Role of Mesoscale convective systems in Precipitation in the Tibetan Plateau region**,  
*American Meteorological Society Annual meeting, Texas, USA.*
- 2021 **Meso-scale weather systems and their interaction in the Tibetan Plateau region**,  
*European Geoscience Union, Austria.*
- 2019 **Spatial and temporal dynamics of convective precipitation cells on the Tibetan Plateau**,  
*International Conference on Regional Climate-CORDEX, China.*
- 2019 **Spatial and temporal dynamics of convective precipitation cells on the Tibetan Plateau**,  
*European Meteorological Society, Denmark.*
- 2019 **Temporal and Spatial variations of clouds and convection over the Tibetan Plateau derived from CloudSat satellite retrievals**,  
*8th Third Pole Environment workshop, Sweden.*

---

## International research schools

- Jan 2020 **ERCA: European Research School on Atmospheres**,  
*Grenoble, France.*
- Sep 2019 **Max Planck Research School on Earth System Modeling**,  
*Hamburg, Germany.*
- Mar 2019 **Arctic in a changing climate (ClimbEco course)**,  
*Gothenburg, Sweden.*
- Oct 2018 **NEGI course on E-Science tools for climate research**,  
*Andoya, Norway.*
- Aug 2018 **Helsinki summer school on Air quality in China**,  
*Helsinki, Finland.*
- Jun 2018 **ITPCAS Summer School on Climate Modeling**,  
*Beijing, China.*
- Sep 2016 **Baltic Earth summer school on Atmosphere-Ocean climate models**,  
*Asko, Sweden.*

---

## Skills

- |           |  |
|-----------|--|
| Computer  | Python ( <i>Advanced</i> ), Linux and Bash scripting ( <i>Good</i> ), NCO/CDO ( <i>Good</i> ), R ( <i>Basic</i> ), Matlab ( <i>Basic</i> ) |
| Utilities | Anaconda, Git, Jupyter Notebook, Slurm   |
| Languages | German ( <i>Mother tongue</i> ), English ( <i>Fluent</i> ), Swedish ( <i>Fluent</i> ), French ( <i>Good</i> ), Spanish ( <i>Basic</i> )    |

---

## 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*.