Sebastian G. Mutz, Dr. rer. nat. habil.

Basic Information

Institute

Position	Senior Lecturer (Associate Professor)
Affiliation	University of Glasgow, School of Geographical and Earth Sciences, UK

Web

ORCID	0000-0001-8180-6150
GitHub	@sebastian-mutz
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University	UofG staff profile
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Academic Qualifications

Year of Award	Qualification	Institute
2023	Habilitation	University of Tübingen, Germany
2015	Doctorate (Dr. rer. nat.)	University of Würzburg, Germany
2008	Integrated Master (M.Geol.)	University of Leicester, UK

Positions

Year	Position	Institute
2023 –	Senior Lecturer (Associate Professor)	University of Glasgow, UK
2016 – 2023	Akademischer Rat (Assistant Professor)	University of Tübingen, Germany
2014 – 2016	Postdoctoral Researcher	University of Tübingen, Germany
2012	Postdoctoral Researcher	University of Tübingen, Germany
2008 – 2012	Research Associate	University of Würzburg, Germany

Research Grants and Awards

Year	Topic	Type	Funder	Duration	Status
	RainX – Modelling Rainfall				

2025	Extremes	PhD Project	NERC	3.5 years	ongoing
2024	ExaGEO – Exascale Computing for the Environment	Doctoral Training Programme	NERC	5 years	ongoing
2024	GECO-21 – Glacial Ecology	Research Support	NERC	1+ years	ongoing
2020	REAL – Alps Climate and Uplist History	PhD Project	DFG	3 years	completed
2020	Open-Access Climate Education (Higher Education Teaching Grant)	Teaching Support	EGU	1 years	completed
2017	QTiP – Tibetan Plateau History	Postdoc Project	BMBF	3 years	completed
2017	APE – Alps Climate and Uplist History	Postdoc Project	DFG	3 years	completed
2016	Earthquake Education (Public Engagement Grant)	Outreach Support	EGU	1 years	completed

Teaching and Supervision

Supervision

Type	Number	Comment
Postdoctoral Researcher	2	University of Tübingen(2)
Doctoral Student	3	University of Glasgow(2), University of Tübingen(1)
Master Student (Research)	14	University of Glasgow(1), University of Tübingen(13)
Master Student (Taught)	13	University of Glasgow(13)
Bachelor Student	13	University of Glasgow(10), University of Tübingen(3)

Note: Only significant contributions to supervision are listed. Student details are not provided for privacy reasons.

Taught Courses

University of Glasgow

Year	Course	Level	Language	Role
2025	Theoretical and Applied	MSc	EN, Python,	Developer,

	Climatology		Fortran	coordinator, instructor
2025	Global Challenges (climate block)	MSc	EN	Co-developer, instructor
2025	Geography 2 (physical climatology block)	2	EN	Developer, instructor
2025	Introduction to Climate Change and Sustainability	All	EN	Co-developer, instructor
2025	Graduate Futures Work Placement	MSc	EN	Co-coordinator
2024	Theoretical and Applied Climatology	MSc	EN, Python	Developer, coordinator, instructor
2024	Global Challenges (climate lecture)	MSc	EN	Developer, instructor
2024	Geography 2 (physical climatology block)	2	EN	Developer, instructor
2024	Introduction to Climate Change and Sustainability	All	EN	Co-developer, instructor
2024	Geographical - Geological Field Course	2	EN	Instructor
2023	Introduction to Climate Change and Sustainability	All	EN	Co-developer, instructor
2023	Geomorphological Field Course	2	EN	Instructor

University of Tübingen

Year	Course	Level	Language	Role
2022	Physics of the Earth’s Surface	MSc	EN, Matlab	Co-developer, instructor
2022	Geological Mapping Course	BSc	DE, EN	Instructor
2021	Physics of the Earth’s Surface	MSc	EN, Matlab	Co-developer, instructor
2021	Geological Mapping Course	BSc	DE, EN	Instructor
2020	Applied Tectonics and Surface Processes	MSc	EN, Matlab	Co-developer, instructor
2020	Geological Mapping Course	BSc	DE, EN	Coordinator, instructor
2019	Applied Tectonics and Surface Processes	MSc	EN, Matlab	Co-developer, instructor
2019	Climate Dynamics, Probability and Statistics	MSc	EN, Python	Developer, coordinator, instructor
	Applied Tectonics and Surface		EN,	Co-developer,

2018	Processes	MSc	Matlab	instructor
2018	Geological Mapping Course	BSc	DE, EN	Coordinator, instructor
2017	Applied Tectonics and Surface Processes	MSc	EN, Matlab	Co-developer, instructor
2017	Geological Mapping Course	BSc	DE, EN	Instructor
2016	Applied Tectonics and Surface Processes	MSc	EN, Matlab	Co-developer, instructor
2016	Geological Mapping Course	BSc	DE, EN	Instructor

Invited Talks and Teaching (Selected)

Year	Course/Event	Institute
2025	Communicating Uncertainty in Science (lecture)	University of Tübingen
2023	Colloquium (Earth system modelling)	University of Freiburg
2021	Colloquium (machine learning and climate science)	University of Tübingen
2019	Systemanalyse (lecture)	University of Tübingen
2019	Summer school (machine learning)	Karlsruhe Institute of Technology
2016	Scientific Instruments (lecture)	International Centre for Ethics in the Sciences and Humanities, Tübingen
2015	Colloquium	GfGD Annual Conference, Geological Society of London
2014	Colloquium	University of Tübingen

Service

Professional Societies and Development of Others

Years	Project or Organisation	Role
2026	Fortran-lang work placement	Mentor
2025	Fortran-lang at Google Summer of Code	Mentor
2024 –	Exascale Computing for Earth, Environmental, and Sustainability Solutions (ExaGEO)	Manager / Executive Committee Member
2024 –	Earth System Modelling and Artificial Intelligence (SAGES)	Executive Committee Member
2023 –	Earth System Dynamics Editorial Board	Associate Editor

2022 –	Geoscience Communication Editorial Board	Associate Editor
2022, 2023	EGU's mentoring programme	Mentor
2018 –	Professional Funding Bodies (e.g., Serrapilheira Institute, Software Sustainability Institute)	Grant and Candidate Reviewer
2009 –	European Geosciences Union	Member and Contributor (convener, reviewer, and more)
2009 –	Peer-Review Journals (e.g., *Geophysical Research Letters*, *Geoscientific Model Development*)	Article Reviewer

University Service (Only Recent; Selected)

Years	Project or Organisation	Role
2025 –	Climate and Environmental Science MSc programme	Programme Lead and Co-Developer
2025 –	GenAI strategy group for learning and teaching at the College of Science and Engineering	Member
2024 –	ExaGEO doctoral training programme	Manager and Co-Investigator
2024 –	*Maths/Stats meets GeoX*, interdepartmental initiative	Co-Lead
2024	Environmental Futures: Sustinable Systems MSc programme	Co-Lead
2023 – 2025	Department website (*School for Geographical & Earth Sciences*)	Content manager
2015 – 2022	HPC software infrastructure for Earth system modelling	Maintainer

Outreach

Service Roles

Years	Project or Organisation	Role
2024 –	EGU Outreach Committee	Member
2024 –	EGU Teacher-Scientist Pairing Scheme	Leader, Co-Developer
2021 –	INTEGRATE Project	Leader, Developer
2015 –	ParsQuake NGO	Member, Developer

In Press and Professional Blogs (Examples)

- 2022 - “Earth’s Climate is not in Equilibrium”, *Spektrum (Germ. ed. Scientific American)* (Read more)
- 2021 - INTEGRATE: a complete higher-education teaching package for climate science (Read more)
- 2020 - “Lake to Desert to Lake”, *Attempto!* (Download)
- 2016 - Exploring the Sustainable Development Goals at the University of Tübingen (Read more)

Public Talks and Videos (Examples)

- 2022 - “On Climate Change, Climate Mitigation and the Prisoner’s Dilemma”, Reutlingen
- 2021 - Video for GeoPark Maestrazgo, Producer
- 2021 - “Caught in the web of climate change: On melting, sliding and running away”, Reutlingen
- 2019 - UN Forum on Science, Technology and Innovation, NY (USA), Co-author of GfGD statement

Articles and Conference Abstracts

- 2021 - Using paired teaching for earthquake education in schools (Read more)
- 2021 - A blended learning approach to structural field mapping: combining local geology, virtual geology, and web-based tools (Read more)
- 2020 - Paired teaching approach to earthquake education: a cross-country comparison between Dushanbe, Tajikistan and London, United Kingdom (Read more)

Publications

Peer-Reviewed Articles

1. Mutz, S. G., (2025). FSML – A Modern Fortran Statistics and Machine Learning Library. Journal of Open Source Software, 10(116), 9058, https://doi.org/10.21105/joss.09058

2. Boateng, D., Mutz, S. G., Methner, K., Ballian, A., Meijers, M. J.M., Mulch, A. and Ehlers, T. A. (2025) Refining paleoelevation estimates of the European Alps by simulating Middle Miocene climate and δ18O responses to diachronous surface uplift scenarios. Global and Planetary Change, 251, 104808. https://doi.org/10.1016/j.gloplacha.2025.104808

3. Guo, H., Pang, H., Wu, S., Xu, T., Mutz, S. G. , Zhan, Z., Lin, W., Zhang, W. and Hou, S. (2024) Global abnormal precipitation δ18O depletion during late/post monsoon season. Earth and Planetary Science Letters, 641, 118815. https://doi.org/10.1016/j.epsl.2024.118815

4. Boateng, D., Aryee, J. N.A., Baidu, M., Arthur, F. and Mutz, S. G. (2024) West African Monsoon dynamics and its control on the stable oxygen isotopic composition of precipitation in the Late Cenozoic. Journal of Geophysical Research: Atmospheres, 129(10), e2024JD040. https://doi.org/10.1029/2024JD040748

5. Boateng, D. and Mutz, S. G. (2023). pyESD: An open-source Python framework for empirical-statistical downscaling of climate information. Geoscientific Model

Development. https://doi.org/10.5194/gmd-16-6479-2023

6. Boateng, D., Mutz, S. G., Ballian, A., Meijers, M. J. M., Methner, K., Botsyun, S., Mulch, A., and Ehlers, T. A. (2023). The effects of diachronous surface uplift of the European Alps on regional climate and the oxygen isotopic composition of precipitation. Earth System Dynamics. https://doi.org/10.5194/esd-14-1183-2023

7. Sacek V., Mutz S.G., Ehlers T.A., Bicudo T.C., de Almeida R.P. (2023). Amazonian paleoenvironments resulted from coupled geodynamic, paleoclimate and sea-level interactions. Earth and Planetary Science Letters. https://doi.org/10.1016/j.epsl.2023.118033

8. Mutz S.G. and Aschauer J. (2022). Empirical Glacier Mass-Balance Models for South America. Journal of Glaciology. https://doi.org/10.1017/jog.2022.6

9. Ring, S. J., Mutz, S. G., Ehlers, T. A. (2022). Cenozoic proxy constraints on Earth system sensitivity to greenhouse gases. Paleoceanography and Paleoclimatology, 37, e2021PA004364. https://doi.org/10.1029/2021PA004364

10. Sharma H., Mutz S.G., Ehlers T.A. (2022). The effects of global Cenozoic climate change on frost cracking. Earth Surface Dynamics. https://doi.org/10.5194/esurf-10-997-2022

11. Botsyun S., Ehlers T.A., Koptev A., Böhme M., Methner K., Risi C., Stepanek C., Mutz S.G., Werner M., Boateng D., Mulch A. (2022). Middle Miocene climate and stable oxygen isotopes in Europe based on numerical modeling. Paleoceanography and Paleoclimatology, 37, e2022PA004442. https://doi.org/10.1029/2022PA004442

12. Botsyun S., Mutz S.G., Ehlers T.A., Scherrer D., Xun W., Schmidt B. (2022). Influence of large-scale atmospheric dynamics on Late Cenozoic precipitation seasonality of the Tibetan Plateau and Central Asia. Journal of Geophysical Research – Atmospheres. https://doi.org/10.1029/2021JD035810

13. Mutz S.G., *Scherrer S.,* Muceniece I., Ehlers T.A., (2021). Twenty-first Century Regional Temperature Response in Chile Based on Dynamical Empirical-Statistical Downscaling . Climate Dynamics. https://doi.org/10.1007/s00382-020-05620-9

14. Wang X., Schmidt B., Otto M., Ehlers T.A., Mutz S.G., Botsyun S., Scherer D. (2021). Sensitivity of Water Balance in the Qaidam Basin to the Mid-Pliocene Climate. Journal of Geophysical Research – Atmospheres. https://doi.org/10.1029/2020JD033965

15. Mohadjer S., Mutz S.G., Kemp M, Gill S., Ischuk A., Ehlers T.A. (2021). Using paired teaching for earthquake education in schools. Geoscience Communication. https://doi.org/10.5194/gc-4-281-2021

16. Krsnik E., Methner K., Campani M., Botsyun S., Mutz S.G., Ehlers T.A., Kempf O., Fiebig J., Schlunegger F., Mulch A. (2021). Miocene high elevation in the Central Alps. Solid Earth. https://doi.org/10.5194/se-12-2615-2021

17. Botsyun S., Ehlers T.A., Mutz S.G., Methner K., Krsnik E., Mulch A, (2020). Opportunities and Challenges for Paleoaltimetry in Small Orogens. Geophysical Research Letters. https://doi.org/10.1029/2019GL086046

18. Mutz S.G. and Ehlers T.A., (2019). Detection and Explanation of Spatiotemporal Patterns in Late Cenozoic Palaeoclimate Change Relevant to Earth Surface Processes. Earth

Surface Dynamics. https://doi.org/10.5194/esurf-7-663-2019

19. Paeth H., Steger C., Li J., Pollinger F., Mutz S.G., Ehlers, T.A., (2019). Comparison of Climate Change from Cenozoic surface uplift and glacial-interglacial episodes in the Himalaya-Tibet region: Insights from a regional climate model and proxy data. Global and Planetary Change. https://doi.org/10.1016/j.gloplacha.2019.03.005

20. Mutz S.G., Ehlers T.A., Werner M., Lohmann G., Stepanek C., Li J., (2018). Estimates of Late Cenozoic climate change relevant to Earth surface processes in tectonically active orogens. Earth Surface Dynamics. https://doi.org/10.5194/esurf-6-271-2018

21. Mohadjer S., Ehlers T.A., Bendick R., Mutz S.G., (2017). Review of GPS and Quaternary fault slip rates in the Himalaya-Tibet orogen, Earth Science Reviews. https://doi.org/10.1016/j.earscirev.2017.09.005

22. Li J., Ehlers T.A., Werner M., Mutz S.G., Steger C., Paeth H. (2017). Late quaternary climate, precipitation δ 18O, and Indian monsoon variations over the Tibetan Plateau. Earth and Planetary Science Letters. https://doi.org/10.1016/j.epsl.2016.09.031

23. Mutz S.G., Ehlers T.A., Li J., Steger C., Paeth H., Werner M., Pouslen C. (2016). Precipitation δ18O over the Himalaya-Tibet Orogen from ECHAM5-wiso Simulations: Statistical Analysis of Temperature, Topography and Precipitation. Journal of Geophysical Research – Atmospheres. https://doi.org/10.1002/2016JD024856

24. Li J., Ehlers T.A., Mutz S.G., Steger C., Paeth H., Werner M., Poulsen C., Feng R. (2016). Modern precipitation δ18O and trajectory analysis over the Himalaya-Tibet Orogen from ECHAM5-wiso simulations. Journal of Geophysical Research – Atmospheres. https://doi.org/10.1002/2016JD024818

25. Mutz S.G., Paeth H., Winkler S. (2015). Modelling of future mass balance changes of Norwegian glaciers by application of a dynamical-statistical model. Climate Dynamics. https://doi.org/10.1007/s00382-015-2663-5

Data and Monographs

1. Mutz S.G. (2025). FSML – A Modern Fortran Statistics and Machine Learning Library. Zenodo. https://doi.org/10.5281/zenodo.17872188

2. Mutz S.G. and Ehlers T.A., (2023). Simulated Geomorphically Relevant Palaeoclimate Variables for the Late Cenozoic (from Mutz and Ehlers, 2019). Zenodo. https://doi.org/10.5281/zenodo.8018119

3. Mutz S.G., Ehlers T.A., Werner M., Lohmann G., Stepanek C., Li J., (2023). Palaeoclimate Simulations for the Late Cenozoic (from Mutz et al. 2018). Zenodo. https://doi.org/10.5281/zenodo.8018020

4. Mohadjer S., Mutz S.G., Kemp M. (2017). Journey to the Center of the Earth: Earth's interior and plate tectonics, episode 1, Earthquake education, TIB. https://doi.org/10.5446/47600

5. Mohadjer S., Mutz S.G., Drews R., Nettesheim M. (2017). Soft rocks and hard liquids: Properties of Earth materials, episode 3, Earthquake education, TIB. https://doi.org/10.5446/47700

6. Mohadjer S., Mutz S.G., Amey R. (2017). Do you know your faults? Plate motions and faults, episode 4, Earthquake education, TIB. https://doi.org/10.5446/47701
7. Mohadjer S., Mutz S.G., Mitchell L. (2017). What causes that Rock'n'Roll? The earthquake machine, episode 5, Earthquake education, TIB. https://doi.org/10.5446/47702
8. Mohadjer S., Mutz S.G., Starke J. (2017). Rocking, rolling and bouncing: How do earthquakes move the Earth?, episode 6, Earthquake education, TIB. https://doi.org/10.5446/47703
9. Mohadjer S., Mutz S.G., Nettesheim M., Drews R. (2017). Flow with the sand: Introduction to soil liquefaction, episode 7, Earthquake education, TIB. https://doi.org/10.5446/47704
10. Mohadjer S., Mutz S.G., Kemp M., Gill S. (2017). On shaky ground: Structural hazards during earthquakes (Part 1), episode 9, Earthquake education, TIB. https://doi.org/10.5446/47706
11. Mohadjer S., Mutz S.G., Gill S., Kemp M. (2017). On shaky ground: Structural hazards during earthquakes (Part 2), episode 10, Earthquake education, TIB. https://doi.org/10.5446/47707
12. Mutz S.G. (2015). Dynamic Statistical Modelling of Climate-Related Mass Balance Changes in Norway. Universität Würzburg, Würzburg (Germany).

Conference Presentations/Abstracts (selected)

1. Mutz S.G. (2026) Developing a modern Fortran statistics and machine learning library (FSML). EGU GA 2026.
2. Mohadjer S, Ergün G, Mutz S.G., Schneider M., Schürmann T., Pelzer M., Dietrich P. (2025) Non-Expert Understanding of Hazard Maps: An Eye-Tracking Study. EGU GA 2025.
3. Mutz S.G. (2025) The Effect of High-Mountain Asia Topography on Northern Hemisphere Atmospheric Flow. EGU GA 2025.
4. Boateng D., Mutz S.G. (2024) African monsoon changes in the Late Cenozoic from the climate modelling perspective. EGU GA 2024. Advertised Session Highlight.
5. Petrie E., Mutz S.G. (2024) Reflecting on the use of Generative AI in Higher Education Teaching & Learning. EGU GA 2024.
6. Gross E.S., Frick M., Norden B., Mutz S.G., Fuchs S. (2024) Regional effects of paleoclimate history on the subsurface temperature distribution in Germany. EGU GA 2024.
7. Ballian A., Meijers M.M.J., Cojan I., Huygue D., Methner K., Boateng D., Mutz S.G., Kurz W., Krsnik E., Zwingmann H., Rolland Y., Ehlers T.A., Fiebig J., Mulch A. (2024) Stable isotope paleoaltimetry reveals Early to Middle Miocene along-strike elevation differences of the European Alps. EGU GA 2024.
8. Mutz S.G., Boateng D. (2023) pyESD: An open-source Python framework for empirical-statistical downscaling of climate information. EGU GA 2023.
9. Boateng D., Mutz S.G., Ehlers T.A. (2023) The influence of North Atlantic Oscillation on

oxygen and hydrogen stable isotopes in precipitation of the Late Cenozoic: implications on paleoenvironment reconstructions. EGU GA 2023.

10. Sedhu-Madhavan A., Mutz S.G., Boateng D., Ehlers T.A. (2023) A model-based exploration of mid-Holocene anti-phase climate variations in the Central Andes. EGU GA 2023.
11. Eizenhöfer P.R., McQuarrie N, Ghoshal S., Mutz S.G., Ehlers T.A. (2023) Drivers of Topography in Fold-thrust Belts: A Perspective from Central Nepal. EGU GA 2023.
12. Ring S., Mutz S.G., Ehlers T.A. (2022) Earth system sensitivity constrained from Cenozoic global cooling. ICP14 Bergen.
13. Mutz S.G., Boateng D., Mohadjer S. (2022) INTEGRATE: A higher-education teaching package for climate science. EGU GA 2022. Invited as Solicited Speaker.
14. Mutz S.G. and Ehlers T.A. (2022). How the co-evolution of major mountain ranges affects global climate. EGU GA 2022. Advertised Session Highlight.
15. Boateng D., Mutz S.G. and Ehlers T.A. (2022). How would the eastward propagation of surface uplift in the Alps affect regional climate and isotopic composition of precipitation? EGU GA 2022.
16. Beer A., Krumrein N., Mutz S.G., Rink, G.M. and Ehlers T.A. (2022). Spatial rockfall susceptibility prediction from rockwall surface classification. EGU GA 2022.
17. Toy V., Abe S., Bons P, Buckley S.J., Deckert H., Fenske S., Kirilova M., Lewis C., Mutz S.G., Owin J., Sachau T., Schuck B., and Seelos P. (2021). A blended learning approach to structural field mapping: combining local geology, virtual geology, and web-based tools. EGU GA 2021.
18. Mutz S.G. and Ehlers T.A. (2020). On the Synergistic Climatic Effects of Covarying Major Mountain Range Topographies. EGU GA 2020.
19. Mohadjer S, Mutz S.G., Kemp M., Gill S., Ischuk A., Ehlers T.A. (2020) Paired teaching approach to earthquake education: a cross-country comparison between Dushanbe, Tajikistan and London, United Kingdom. EGU GA 2020.
20. Schmidt B, Wang X., Mutz S.G., Botsyun S., Ehlers T.A. Scherer D. (2020) Changes in water balance of the Qaidam Basin from Pliocene to present day. EGU GA 2020.
21. Mutz S.G., Scherrer S., Muceniece I., Ehlers T.A. (2019). Towards a dynamic hybrid of parametric and non-parametric empirical downscaling models for climate in Chile. AK Klima 2019.
22. Ehlers T.A., Densmore A.L., Schaller M., Adams B.A., Ershadi M., Mutz S.G. (2019). Trends and Aberrations in the Measured Fluvial Erosion Response to Global Paleoclimate Change. EGU GA 2019.
23. Mutz S.G. and Ehlers T.A. (2018). Detecting and Quantifying the Synergistic Effects of Covarying Major Mountain Range Topographies on Regional Climate. AK Klima 2018.
24. Mutz S.G. and Ehlers T.A. (2018). A Quantitative Assessment of Differences between Simulated Pre-Industrial and Late Cenozoic Palaeoclimates with Regard to Earth Surface

Processes. AK Klima 2018.

25. Botsyun S., Ehlers T.A., Mutz S.G., Werner M., Stepanek C. (2018) Neogene aridification, precipitation δ18O, and trajectory analysis over Central Asia from paleoclimate simulations. EGU GA 2018.

26. Mutz S.G. and Ehlers T.A. (2018) Late Cenozoic Climate Change and Potential Impacts on Denudation at Different Orogens. EGU GA 2018 .

27. Mohadjer S., Mutz S.G., Amey R., Drews R., Kemp M., Kloos P., Mitchell L., Nettesheim M., Gill S., Starke J., Ehlers T.A. (2018) Using Paired Teaching for Earthquake Education in Schools. EGU GA 2018.

28. Mutz S.G. and Ehlers T.A. (2017). Late Cenozoic Climate Change and its Implications on the Denudation of Orogen Syntaxes. EGU GA 2017. Advertised Session Highlight.

29. Ehlers, T.A., Schaller M., Mutz S.G. (2017) Climate Controls on European Fluvial Denudation over Glacial-Interglacial Cycles. EGU GA 2017

30. Mutz S.G., Ehlers T.A., Li J., Werner M., Stepanek C., Lohmann G. (2016) Investigating Cenozoic climate change in tectonically active regions with a high-resolution atmospheric general circulation model (ECHAM5). EGU GA 2016.

31. Mutz S.G., Paeth H., Winkler S. (2011) Statistical modelling of climate-related future mass balance changes of maritime mountain glaciers in Norway. EGU GA 2011

32. Mutz S.G., Paeth H., Winkler S. (2010) Impact of large-scale circulation modes, regional temperature and precipitation on the mass balance of South Norwegian glaciers. IGS Nordic Branch Meeting 2010

33. Mutz S.G., Paeth H., Winkler S. (2009) Dynamisch-Statistische Modellierung der Klimabedingten Gletschermassenveränderungen in den Mittleren Breiten. AK Klima 2009