Fabien Maussion

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Last updated: Sept 2025. Blue font indicates clickable links.

Professional career

From July 2023	**Associate professor** at the **School of Geographical Sciences**, University of Bristol
2021-2023	**Associate professor** at the Department of Atmospheric and Cryospheric Sciences (**ACINN**), University of Innsbruck **Habilitation** obtained in 2021 with the title "**Numerical modelling of global glacier change**". *The habilitation is the highest university degree in Germany and Austria. It certifies the ability to be a full professor in these countries.*
2021	3 months research stay as "invited professor" (funded) at **Université Grenoble Alpes** & **Institut des Géosciences de l'Environnement**
2015–2021	Assistant professor at **ACINN**, University of Innsbruck
2014–2015	Post-doc at **ACINN**, University of Innsbruck
2008–2014	PhD then Post-doc at the **Chair of Climatology**, Technische Universität Berlin
2006–2007	Interim year as engineering trainee – Space mechanics at **C-S Group**, Toulouse

Education

2008–2014	**Technische Universität Berlin - Chair of Climatology** – PhD thesis **PhD Thesis** defended in February 2014 with the title "A new atmospheric dataset for High Asia : development, validation and applications in climatology and in glaciology" (highest honors). Supervisor: Dieter Scherer.
2007–2008	**Technische Universität Berlin** – International exchange year and Master degree

2008 Master degree at **SUPAÉRO** – Institut Supérieur de l'Aéronautique et de l'Espace, Toulouse (aerospace engineering school)

Awards

Wilhelm-Lauer-Preis 2014 (Akademie der Wissenschaften und der Literatur, Mainz): Prize for an outstanding, original PhD dissertation in the field of mountain geography.

Research projects conducted as PI or Co-I

2025–2026 **DTC-Glaciers** – A Digital Twin Component for Glaciers (ESA, **500k€**). PI

2025–2028 **LiquidICE** – LinkIng and quantifying the Impacts of climate change on inland ice, snow cover, and permafrost on water resources and society in vulnerable regions (H2020, **270k€**). Co-I (total consortium **5M€**).

2021–2024 **PROVIDE** – Paris Agreement Overshooting – Reversibility, Climate Impacts and Adaptation Needs (H2020, **230k€**). Co-I (total consortium **6M€**).

2022–2024 **A future-ready Open Global Glacier Model (OGGM)** (DFG, **180k€**, co-PI)

2023–2025 **HYdro power: iMpact on the ELecTricity sector in Austria due to Climate Change in glaciated high alpine areas (HyMELT-CC)** (Austrian Climate Research Programme, **50k€**). Co-I (total consortium **300k€**).

2021–2024 **UNCERTAIN** – Certainties and uncertainties in the future surface mass balance of mountain glaciers (**ÖAW**, **120k€**, together with PhD student **Lilian Schuster**)

2019–2023 **AgroClim - Huaraz**, "Water availability and water demand in the Peruvian Andes" (**ÖAW**, PI, **443k€**)

2022 UNESCO, IACS and WGMS support for the Randolph Glacier Inventory (PI, **20k€**)

2020–2022 **Scaling regional sea-level changes with climate forcings** (FWF, replacing previous PI Kristin Richter)

2018–2021 **Modelling glacier length changes in Alps on the base of tree-ring based temperature reconstructions** (Universtität Innsbruck, **120k€**, Co-I)

2019–2020 "Glaciers on the Cloud: **OGGM-Edu**" (PI, University of Innsbruck, **20k€**)

2018–2019 **The Upper Grindelwald Glacier as indicator for Holocene climate variability** (Tiroler Wissenschaftsförderung - PI, TWF, **10k€**)

Supervision

PostDocs (current)

- **Dr. Tian Li** (Bristol, Leverhulme Fellow): Working of large scale calving estimation with machine learning.
- **Dr. Ritu Anilkumar** (Bristol, project LiquidIce): Working on estimating the global mass balance of glaciers.
- **Dr. Kara Lamantia** (Bristol, Newton Fellow starting Jan 2026): Working on glacier health metrics from space.

PostDocs (Past)

- **Dr. Marin Kneib** (ACINN & Uni Grenoble, SNF Fellow): worked on the SNF Mobility Grant "Contribution of Avalanches to glacIeR mass balaNce (CAIRN)". Now at ETH Zürich.
- **Dr. Emily Potter** (ACINN): Worked on the **AgroClim Huaraz** project. Now at Sheffield University.
- **Dr. Anouk Vlug** (ACINN): Worked on the DFG Project "A future ready Open Global Glacier Model"

PhD theses (current)

- **Chloe Hancock** (Bristol): Working on the uncertainty of glacier runoff projections *(Funded by NERC GW4+)*
- **Patrick Schmitt** (ACINN): Working on the global glacier response under climate targets overshoot scenarios *(funded via **PROVIDE** grant)*
- **Lorenz Hänchen** (Institute of Ecology, co-supervised): Working on the spatio-temporal variability in water availability and demand in the Peruvian Andes *(funded via **AgroClim-Huaraz** grant)*
- **Niklas Richter** (ACINN, co-supervised): Atmospheric drivers of glacier change in High Mountain Asia *(funded via **internal grant**)*

PhD theses (completed)

- **Julia Eis** (Universität Bremen, co-supervised, 2020): Reconstructing glacier evolution using a flowline model (**link**)
- **Beatriz Recinos** (Universität Bremen, co-supervised, 2020): Ocean-glacier interaction on the large regional scale (**link**)
- **Anouk Vlug** (Universität Bremen, co-supervised, 2021): The influence of climate variability on the mass balance of Canadian Arctic land-terminating glaciers, in simulations of the last millennium (**link**)
- – **Lilian Schuster** (ACINN, 2024): Improving Our Understanding of Future Multi-Century Mountain Glacier Changes and Runoff (**link**)

Visiting PhD students

- **Rodrigo Aguayo** (Universidad de Concepción, Chile, 2022): working on glacier change and hydrology of Patagonia.
- **Li Fei** (Institute of Tibetan Plateau Research, China, 2020-2021): working on ice volume estimates in High Mountain Asia

25 completed master and bachelor theses. For a full list, visit **my personal website**.

Contributions to open source software and open data

OGGM Open-source global glacier evolution modelling framework (**oggm.org**). In active development since 2016, used by several research groups worldwide and in more than 25 publications, 3 completed and 8 ongoing PhD projects. *Project leader.*

OGGM-Edu Educational platform about glaciers based on the OGGM model (**edu.oggm.org**). Interactive applications, open-source graphics and computational notebooks applicable for teaching at the university level and for workshops. *Project leader.*

xarray Array manipulation software (**xarray.pydata.org**) very commonly used in all fields of geosciences. *Core developer since 2015*.

salem Map visualization and WRF model analysis software based on xarray (**salem.readthedocs.io**). *Main developer*.

HAR High Asia Refined analysis (**HAR**), openly accessible high-resolution climate dataset for the Tibetan Plateau and adjacent regions, which has facilitated an estimated several dozens of peer-reviewed publications. *Main developer.*

RGItools Suite of scripting tools and data accompanying the production process of the Randolph Glacier Inventory (**RGI**). Topography data (**RGI-TOPO**), data processing chain (**RGI-scripts**), and more. *Project leader.*

Administration and leadership

- Since 2023: Programme director of the **MSc Climate Change Science and Policy**
- Co-Chair of the IACS working group: **Randolph Glacier Inventory (RGI) and its role in future glacier monitoring and GLIMS** (2019–2025)
- Co-Chair of the IACS working group: **Delineation of glaciers, ice sheets and ice sheet basins** (2019–2025)
- Deputy chair (2017-2021) then chair (2021-2023) of the Innsbruck Doctoral College "**Mountain Climate and Environment**"
- 2019–2023: Chair of the "working group on IT and software infrastructure" at **ACINN**
- PI or Co-I of 6 active research projects.

Other activities & services to the community

- Member of the CLIC working group: **Glacier Model Intercomparison Project** (since 2018)
- Member of the IACS working group: **Glacier ice thickness estimation** (2014–2019)
- Scientific editor: **Geoscientific Model Development** (EGU Journal, since 2020)
- Session convener **Observing and modelling glaciers at regional to global scales** (EGU2020-2022), **Climate modeling in Mountain regions** (**IMC2019**), **Scientific Committee** at **IMC2022**…
- Vice-president of the non-profit organisation **OGGM e.V.**, promoting science and research in the fields of climate and glaciology and coordinating the development of OGGM.

- Organized 6 OGGM workshops (2016-2022) and the 2019 Alpine Glaciology Meeting (Innsbruck).
- Organized a **week-long training on glacier modelling** in Lahore, Pakistan (2023)
- Reviewer: *J. Climate, J. Geophys. Res., Nature, Nature CC, J. Hydrometeorol., J. Hydrol., The Cryosph., J. Glaciol., Hydrol. Earth Syst. Sci., Earth Syst. Dynam., …*
- Member of the **International Glaciological Society**, **European Geosciences Union**, **International Association of Cryospheric Sciences**, **Météorologie et Climat**, **Österreichische Gesellschaft für Meteorologie**.

Teaching

At University of Innsbruck (until 2023)

- **Physics of the climate system**: **advanced course in physical climatology** for graduate students (winter semester, 3hrs/week). Lecture practicals **available online**.
- **The cryosphere in the climate system**: **advanced course in glaciology** for graduate students (summer semester, 3hrs/week co-taught).
- **Introduction to climatology**: **entry level course in climatology** for undergraduate students (winter semester, 2hrs/week co-taught).
- **Introduction to programming for atmospheric scientists**: **bachelor level course in programming** for graduate students (summer semester, 3hrs/week). Lecture notes **available online**.
- **Scientific programming**: **master level course in programming** for graduate students (winter semester, 3hrs/week). Lecture notes **available online**.
- **Advanced scientific programming**: **advanced course in programming** for graduate students (summer semester, 2hrs/week). Lecture notes **available online**.

At University of Bristol (since 2023)

- Programme director of the **MSc Climate Change Science and Policy**
- **Quantifying Climate risks** for postgraduate students (3hrs/week). Lecture notes **available online**.
- **Fundamentals of Modern Glaciology** (co-taught)
- **Glaciology field course** (co-taught)

For a full list of past classes and links to annual student evaluations, visit **my personal website**.

List of publications

h-index 31 (google scholar Sept 2025)

Publications written by a student under my supervision are indicated with (*).

Preprints

1. Schmitt, P., **Maussion, F.**, Goldberg, D. N., and Gregor, P.: The Open Global Glacier Data Assimilation Framework (AGILE) v0.1, EGUsphere [preprint], doi:**10.5194/egusphere-2025-3401**, 2025.
2. Sjursen, K. H., Bolibar, J., van der Meer, M., Andreassen, L. M., Biesheuvel, J. P., Dunse, T., Huss, M., **Maussion, F.**, Rounce, D. R., and Tober, B.: Machine learning improves seasonal mass balance prediction for unmonitored glaciers, EGUsphere [preprint], doi:**10.5194/egusphere-2025-1206**, 2025.

Peer-reviewed

1. *Schuster, L., **Maussion, F.**, Rounce, D., Ultee, L., Schmitt, P., Lacroix, F., Frölicher, T., Schleussner, C.F. (2025): Irreversible glacier change and trough water for centuries after overshooting 1.5°C, Nature Climate Change, 2024.
2. *Hartl, L., Schmitt, P., Schuster, L., Helfricht, K., Abermann, J., & **Maussion, F.** (2025). Recent observations and glacier modeling point towards near-complete glacier loss in western Austria (Ötztal and Stubai mountain range) if 1.5 °C is not met. The Cryosphere, 19(3), 1431–1452. doi:**10.5194/tc-19-1431-2025**
3. *Zekollari, H., Schuster, L., **Maussion, F.**, Hock, R., Marzeion, B., Rounce, D. R., …, Sakai, A. (2025). Glacier preservation doubled by limiting warming to 1.5°C versus 2.7°C. Science, 388(6750), 979–983. doi:**10.1126/science.adu4675**
4. Weathers, M., Rounce, D. R., Fasullo, J., & **Maussion, F.** (2025). Evaluating the Role of Internal Climate Variability and Bias Adjustment Methods on Decadal Glacier Projections. Earth's Future, 13(7) doi:**10.1029/2024EF005624**
5. Pfleiderer, P., Frölicher, T. L., Kropf, C. M., Lamboll, R. D., Lejeune, Q., Capela Lourenço, T., **Maussion, F.**, McCaughey, J. W., Quilcaille, Y., Rogelj, J., Sanderson, B., Schuster, L., Sillmann, J., Smith, C., Theokritoff, E., & Schleussner, C.-F. (2025). Reversal of the impact chain for actionable climate information. Nature Geoscience, 18(1), 10–19. doi:**10.1038/s41561-024-01597-w**
6. Wimberly, F., Ultee, L., Schuster, L., Huss, M., Rounce, D. R., **Maussion, F.**, Coats, S., Mackay, J., & Holmgren, E. (2025). Inter-model differences in 21st century glacier runoff for the world's major river basins. The Cryosphere, 19(4), 1491–1511. doi:**10.5194/tc-19-1491-2025**
7. The GlaMBIE Team (2025). Community estimate of global glacier mass changes from 2000 to 2023. Nature, 639(8054), 382–388. doi:**10.1038/s41586-024-08545-z**
8. Zekollari, H., Huss, M., Schuster, L., **Maussion, F.**, Rounce, D. R., Aguayo, R., Champollion, N., Compagno, L., Hugonnet, R., Marzeion, B., Mojtabavi, S., & Farinotti, D. (2024). Twenty-first century global glacier evolution under CMIP6 scenarios and the role of glacier-specific observations. The Cryosphere, 18(11), 5045–5066. doi:**10.5194/tc-18-5045-2024**
9. Schleussner, C., … Rogelj, J. (2024). Overconfidence in climate overshoot. Nature, 634(8033), 366–373. doi:**10.1038/s41586-024-08020-9**
10. *Aguayo, R., **Maussion, F.**, Schuster, L., Schaefer, M., Caro, A., Schmitt, P., Mackay, J., Ultee, L., Leon-Muñoz, J., & Aguayo, M. (2024). Unravelling the sources of uncertainty in glacier runoff projections in the Patagonian Andes (40–56° S). The Cryosphere, 18(11), 5383–5406. doi:**10.5194/tc-18-5383-2024**
11. Hanus, S., Schuster, L., Burek, P., **Maussion, F.**, Wada, Y., & Viviroli, D. (2024). Coupling a large-scale glacier and hydrological model (OGGM v1.5.3 and CWatM V1.08) - towards an improved representation of mountain water resources in global assessments. Geoscientific Model Development, 17(13), 5123–5144. doi:**10.5194/gmd-17-5123-2024**
12. Kneib, M., Dehecq, A., Brun, F., Karbou, F., Charrier, L., Leinss, S., Wagnon, P., & **Maussion, F.** (2024). *Mapping and characterization of avalanches on mountain glaciers with Sentinel-1 satellite imagery*. The Cryosphere, 18(6), 2809–2830. doi:**10.5194/tc-18-2809-2024**
13. Bolibar, J., Sapienza, F., **Maussion, F.**, Lguensat, R., Wouters, B., and Pérez, F. (2023). *Universal differential equations for glacier ice flow modelling*. Geoscientific Model Development, 16(22), 6671–6687. doi:**10.5194/gmd-16-6671-2023**.

14. Klein, C., Potter, E. R., Zauner, C., Gurgiser, W., Cruz Encarnación, R., Cochachín Rapre, A., and **Maussion, F.**: *Farmers' first rain: investigating dry season rainfall characteristics in the Peruvian Andes*, Environmental Research Communications, 5(7), 071004, doi:**10.1088/2515-7620/ace516**.
15. *Schuster, L., Rounce, D., **Maussion, F.**: *Glacier projections sensitivity to temperature-index model choices and calibration strategies*, Ann. Glaciol., 1 - 16, doi:**10.1017/aog.2023.57**.
16. *Malles, J., **Maussion, F.**, Ultee, L., Kochtitzky, W., Copland, L. and Marzeion, B.: *Exploring the impact of a frontal ablation parameterization on projected 21st-century mass change for Northern Hemisphere glaciers*, J. Glaciol., 1–16, doi:**10.1017/jog.2023.19**, 2023.
17. Recinos, B., **Maussion, F.** and Marzeion, B.: *Advances in data availability to constrain and evaluate frontal ablation of ice-dynamical models of Greenland's tidewater peripheral glaciers*, Ann. Glaciol., 1–7, doi:**10.1017/aog.2023.11**, 2023.
18. Rounce, D. R., Hock, R., **Maussion, F.**, Hugonnet, R., Kochtitzky, W., Huss, M., Berthier, E., Brinkerhoff, D., Compagno, L., Copland, L., Farinotti, D., Menounos, B. and McNabb, R. W.: *Global glacier change in the 21st century: Every increase in temperature matters*, Science (80)., 379(6627), 78–83, doi:**10.1126/science.abo1324**, 2023.
19. Hock, R., **Maussion, F.**, Marzeion, B. and Nowicki, S.: *What is the global glacier ice volume outside the ice sheets?*, J. Glaciol., 69(273), 204–210, doi:**10.1017/jog.2023.1**, 2023.
20. Klein, C., Hänchen, L., Potter, E. R., Junquas, C., Harris, B. L. and **Maussion, F.**: *Untangling the importance of dynamic and thermodynamic drivers for wet and dry spells across the Tropical Andes*, Environ. Res. Lett., 18(3), 034002, doi:**10.1088/1748-9326/acb72b**, 2023.
21. Windnagel, A., Hock, R., **Maussion, F.**, Paul, F., Rastner, P., Raup, B. and Zemp, M.: *Which glaciers are the largest in the world?*, J. Glaciol., 69(274), 301–310, doi:**10.1017/jog.2022.61**, 2023.
22. Gangadharan, N., Goosse, H., Parkes, D., Goelzer, H., **Maussion, F.** and Marzeion, B.: *Process-based estimate of global-mean sea-level changes in the Common Era*, Earth Syst. Dyn., 13(4), 1417–1435, doi:**10.5194/esd-13-1417-2022**, 2022.
23. *Li, F., **Maussion, F.**, Wu, G., Chen, W., Yu, Z., Li, Y. and Liu, G.: *Influence of glacier inventories on ice thickness estimates and future glacier change projections in the Tian Shan range, Central Asia*, J. Glaciol., 1–15, doi:**10.1017/jog.2022.60**, 2022.
24. *Hänchen, L., Klein, C., **Maussion, F.**, Gurgiser, W., Calanca, P. and Wohlfahrt, G.: *Widespread greening suggests increased dry-season plant water availability in the Rio Santa valley, Peruvian Andes*, Earth Syst. Dyn., 13(1), 595–611, doi:**10.5194/esd-13-595-2022**, 2022.
25. Furian, W., **Maussion, F.** and Schneider, C.: *Projected 21st-Century Glacial Lake Evolution in High Mountain Asia*, Front. Earth Sci., 10, doi:**10.3389/feart.2022.821798**, 2022.
26. Azam, M. F., Kargel, J. S., Shea, J. M., Nepal, S., Haritashya, U. K., Srivastava, S., **Maussion, F.**, Qazi, N., Chevallier, P., Dimri, A. P., Kulkarni, A. V, Cogley, J. G. and Bahuguna, I.: *Glacio-hydrology of the Himalaya-Karakoram*, Science (80-.)., 373(6557), eabf3668, doi:**10.1126/science.abf3668**, 2021.
27. Edwards, … and Zwinger, T.: *Projected land ice contributions to twenty-first-century sea level rise*, Nature, 593(7857), 74–82, doi:**10.1038/s41586-021-03302-y**, 2021.
28. *Eis, J., van der Laan, L., **Maussion, F.** and Marzeion, B.: *Reconstruction of Past Glacier Changes with an Ice-Flow Glacier Model: Proof of Concept and Validation*, Front. Earth Sci., 9(March), 1–16, doi:**10.3389/feart.2021.595755**, 2021.
29. Rounce, D. R., Hock, R., McNabb, R. W., Millan, R., Sommer, C., Braun, M. H., Malz, P., **Maussion, F.**, Mouginot, J., Seehaus, T. C. and Shean, D. E.: *Distributed global debris thick-*

ness estimates reveal debris significantly impacts glacier mass balance, Geophys. Res. Lett., doi:**10.1029/2020GL091311**, 2021.

30. *Recinos, B., **Maussion, F.**, Noël, B., Möller, M. and Marzeion, B.: *Calibration of a frontal ablation parameterisation applied to Greenland's peripheral calving glaciers*, J. Glaciol., 1–13, doi:**10.1017/ jog.2021.63**, 2021.
31. *Schuster, L., **Maussion, F.**, Langhamer, L. and Moseley, G. E.: *Lagrangian detection of precipitation moisture sources for an arid region in northeast Greenland: relations to the North Atlantic Oscillation, sea ice cover, and temporal trends from 1979 to 2017*, Weather Clim. Dyn., 2(1), 1–17, doi:**10.5194/wcd-2-1-2021**, 2021.
32. Marzeion, B., Hock, R., Anderson, B., Bliss, A., Champollion, N., Fujita, K., Huss, M., Immerzeel, W., Kraaijenbrink, P., Malles, J., **Maussion, F.**, Radić, V., Rounce, D. R., Sakai, A., Shannon, S., Wal, R. and Zekollari, H.: *Partitioning the Uncertainty of Ensemble Projections of Global Glacier Mass Change*, Earth's Futur., 8(7), doi:**10.1029/2019ef001470**, 2020.
33. Pelto, B. M., **Maussion, F.**, Menounos, B., Radić, V. and Zeuner, M.: *Bias-corrected estimates of glacier thickness in the Columbia River Basin*, Canada, J. Glaciol., 1–13, doi:**10.1017/jog.2020.75**, 2020.
34. Zemp, M., Huss, M., Thibert, E., Eckert, N., McNabb, R., Huber, J., Barandun, M., Machguth, H., Nussbaumer, S. U., Gärtner-Roer, I., Thomson, L., Paul, F., **Maussion, F.**, Kutuzov, S. and Cogley, J. G.: *Global glacier mass changes and their contributions to sea-level rise from 1961 to 2016*, Nature, 568(7752), 382–386, doi:**10.1038/s41586-019-1071-0**, 2019.
35. *Recinos, B., **Maussion, F.**, Rothenpieler, T. and Marzeion, B.: *Impact of frontal ablation on the ice thickness estimation of marine-terminating glaciers in Alaska*, Cryosph., 13(10), 2657–2672, doi:**10.5194/tc-13-2657-2019**, 2019.
36. **Maussion, F.**, Butenko, A., Champollion, N., Dusch, M., Eis, J., Fourteau, K., Gregor, P., Jarosch, A. H., Landmann, J., Oesterle, F., Recinos, B., Rothenpieler, T., Vlug, A., Wild, C. T. and Marzeion, B.: *The Open Global Glacier Model (OGGM) v1.1*, Geosci. Model Dev., 12(3), 909–931, doi:**10.5194/gmd-12-909-2019**, 2019.
37. Horak, J., Hofer, M., **Maussion, F.**, Gutmann, E., Gohm, A. and Rotach, M. W.: *Assessing the added value of the Intermediate Complexity Atmospheric Research (ICAR) model for precipitation in complex topography*, Hydrol. Earth Syst. Sci., 23(6), 2715–2734, doi:**10.5194/hess-23-2715-2019**, 2019.
38. *Eis, J., **Maussion, F.** and Marzeion, B.: *Initialization of a global glacier model based on present-day glacier geometry and past climate information: an ensemble approach*, Cryosph., 13(12), 3317–3335, doi:**10.5194/tc-13-3317-2019**, 2019.
39. *Zolles, T., **Maussion, F.**, Galos, S. P., Gurgiser, W. and Nicholson, L.: *Robust uncertainty assessment of the spatio-temporal transferability of glacier mass and energy balance models*, Cryosph., 13(2), 469–489, doi:**10.5194/tc-13-469-2019**, 2019.
40. Farinotti, D., Huss, M., Fürst, J. J., Landmann, J., Machguth, H., **Maussion, F.** and Pandit, A.: *A consensus estimate for the ice thickness distribution of all glaciers on Earth*, Nat. Geosci., 12(3), 168–173, doi:**10.1038/s41561-019-0300-3**, 2019.
41. Strasser, U., Marke, T., Braun, L., Escher-Vetter, H., Juen, I., Kuhn, M., **Maussion, F.**, Mayer, C., Nicholson, L., Niedertscheider, K., Sailer, R., Stötter, J., Weber, M. and Kaser, G.: *The Rofental: a high Alpine research basin (1890–3770 m a.s.l.) in the Ötztal Alps (Austria) with over 150 years of hydrometeorological and glaciological observations*, Earth Syst. Sci. Data, 10(1), 151–171, doi:**10.5194/essd-10-151-2018**, 2018.

42. Goosse, H., Barriat, P.-Y., Dalaiden, Q., Klein, F., Marzeion, B., **Maussion, F.**, Pelucchi, P. and Vlug, A.: *Testing the consistency between changes in simulated climate and Alpine glacier length over the past millennium*, Clim. Past, 14(8), 1119–1133, doi:**10.5194/cp-14-1119-2018**, 2018.
43. Marzeion, B., Kaser, G., **Maussion, F.** and Champollion, N.: *Limited influence of climate change mitigation on short-term glacier mass loss*, Nat. Clim. Chang., 8, doi:**10.1038/ s41558- 018-0093-1**, 2018.
44. Mölg, T., **Maussion, F.**, Collier, E., Chiang, J. C. H. and Scherer, D.: *Prominent mid-latitude circulation signature in High Asia's surface climate during monsoon*, J. Geophys. Res. Atmos., 1–11, doi:**10.1002/2017JD027414**, 2017.
45. Galos, S. P., Klug, C., **Maussion, F.**, Covi, F., Nicholson, L., Rieg, L., Gurgiser, W., Mölg, T. and Kaser, G.: *Reanalysis of a 10-year record (2004–2013) of seasonal mass balances at Langenferner/Vedretta Lunga, Ortler Alps, Italy*, Cryosph., 11(3), 1417–1439, doi:**10.5194/tc-11-1417-2017**, 2017.
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Field work

- 2009–2013: 7 one-month long campaigns to Zhadang Glacier (Tibet), 4 as expedition leader.
- 2012: Austfonna, Svalbard (3 weeks)
- 2014–2022: regular participation to mass-balance monitoring of alpine glaciers
- 2019, 2023: Huaraz, Peru (2 weeks), as expedition leader.

Invited presentations (selection)

- 2021 (AGU New Orleans, online): *Building software documentation for community engagement: lessons learned with OGGM.*
- 2020 (IARPC Collaborations, online): *OGGM - A modern, modular and extensible framework for large scale glacier modeling*
- 2020 (Austrian Society for Snow and Avalanches, online): *What open-source can do for you, and what you can do for open-source.*
- 2019 (IUGG Montreal): *Glaciology on the Cloud - Research and Education in your Web Browser.*
- 2016 (Universität Zürich): *Towards an Open Global Glacier Model including ice dynamics.*
- 2014 (AGU San Francisco): *Using Mesoscale Atmospheric Models for Glacio-Hydrological Studies at the Catchment Scale: Examples from High Asia and Perspectives for Future Applications.*

Press (selection)

- **Radio interview** for the Swiss scientific podcast CQFD (in French; **mp3 download**)
- **La Croix: Combien reste-il de glace dans les glaciers du monde?** (in French)
- **Carbon Brief: Global warming to date could 'obliterate' a third of glacier ice**
- **Phys.org: Glacier mass loss passes the point of no return, researchers report**
- **Süddeutsche Zeitung: Weniger Schmelzwasser aus den Bergen** (in German)
- **EOS: Glacial Census Reveals Ice Thicknesses Around the World**
- **TT: Weltweite Gletschermasse laut Studie bislang deutlich überschätzt** (in German)
- **ORF.at: Weltweit weniger Gletschereis als gedacht** (in German)
- **Krone.at: Gletschereis lässt Meeresspiegel ansteigen** (in German)
- **TT: Einhaltung der Klimaziele bremst Anstieg des Meeresspiegels** (in German)
- **ORF.at: 1,5-Grad-Ziel halbiert Meeresspiegelanstieg** (in German)
- **Der Standard: Gefährliche Dammbrüche im Hochgebirge nehmen zu**, also **on ORF**
- **UIBK: Negativrekord: Gletscherbilanz rutscht immer früher ins Minus** (in German)
- **ORF Science: Modell zeigt Abschied der Eisriesen** and the associated **podcast** (in German)

Other

- **Languages**: French (first language), German (second language), English (full professional proficiency), Spanish (good).
- **Interests**: music (drums and piano), outdoors, photography.