

TEAMx Observational Campaign

The TEAMx Observational Campaign (TOC) ended officially on 15 September 2025 after one full year of successful measurements across the four target areas. The TOC included two six-week long Extended Observational Periods (EOPs), with 18 IOPs conducted during the winter EOP and 24 IOPs conducted during the summer EOP. In total, more than 25 institutions participated in the TOC, about 75 daily decision meetings were held by the TOC scientists, about 20 profiling sites were instrumented with remote-sensing equipment, more than 200 flight hours were conducted with three research aircraft, about 800 radiosondes were launched and hundreds of UAS and tethered-balloon profiles were made. A wealth of data has thus been collected and is currently being quality-controlled and processed by the respective groups.



5th TEAMx Workshop

17	18	19
TEAMx Workshop		

Save the date! The 5th TEAMx Workshop will take place 17 – 19 June 2026 in Trento. This will be a hands-on Workshop with discussion groups, a hackathon, as well as preparatory online meetings in spring. Further details will follow over the next few weeks.

EGU26

Abstract submissions are invited for a TEAMx session at [EGU26](#) next year:

[Transport and exchange processes in the atmosphere over mountains - TEAMx observational campaigns \(TOC, HEFEX, PC22\)](#)

All contributions related to the TEAMx research programme are welcome, including observational studies resulting from one of the measurement campaigns as well as model and climatological studies.

In addition, there will be two other mountain-related EGU sessions:

[Mountain Weather and Climate](#)

[High-Resolution Climate Modeling in Mountainous Regions](#)

The abstract submission deadline is 15 January 2026, 13:00 CET.

TEAMx in the news

TEAMx has received some media attention during the TOC. We have collected a [list of newspaper articles, TV interviews, and contributions in institutional newsrooms](#), which will be added to the TEAMx website soon.

[If we have missed some, please let us know at teamx-pco@uibk.ac.at]

TOC data

Following the guidelines in the [TEAMx Data Management Plan](#), all data from the TOC should be published about one year after the campaign. While we are working on linking all TEAMx datasets in the Earth Data Portal, a [TEAMx zenodo community](#) has been established, which already features a first TEAMx dataset:

S. Widy and A. Gohm: Temperature and wind profiles measured with UAS and lidar during TEAMx wEOP at Hochhäuser in the Inn Valley, Austria (<https://zenodo.org/records/15600507>).

New publications

- F. De Martin, A. Manzato, N. Carlon, M. Setvák, M. M. Miglietta, 2025: Dynamic and statistical analysis of giant hail environments in northeast Italy. Quarterly Journal of the Royal Meteorological Society, e4945, <https://doi.org/10.1002/qj.4945>.
- K. Lapo, A. Dipankar, B. Goger, 2025: Scale-Aware Evaluation of Complex Mountain Boundary Layer Flow from Observations and Simulations. Geophysical Research Letters 52, e2025GL116441, <https://doi.org/10.1029/2025GL116441>.
- K. Lapo, L. Pfister, S. Mosso, M. Lehner, I. Stiperski, 2025: Temperature Structure and Scaling Relations for Heat Transfer in the Stable Boundary Layer. Boundary-Layer Meteorology 191, 31, <https://doi.org/10.1007/s10546-025-00920-1>.
- A. Manzato, G. Fasano, A. Cicogna, F. Sioni, A. Pucillo, 2025: Relationships between environmental parameters and storm observations in Po Valley: are they climate–change invariant? Journal of Applied Meteorology and Climatology 64 (3), 267–298, <https://doi.org/10.1175/JAMC-D-24-0034.1>.
- L. Nicholson et al., 2025: The Second Hintereisferner Experiment (HEFEX II): Initial Insights into Boundary Layer Structure and Surface-Atmosphere Exchange Processes from Intensive Observations at a Valley Glacier. Bulletin of the American Meteorological Society 106, E2143–E2169, <https://doi.org/10.1175/BAMS-D-24-0010.1>.
- B. Poujol, J. Lee, T. Rackow, M. W. Rotach, N. Ban, 2025: Are the largest benefits of kilometer-scale climate models over mountains or over flatland? Geophysical Research Letters 52, e2024GL113937, <https://doi.org/10.1029/2024GL113937>.
- G. Simonet, M. W. Rotach, M. Lehner, 2025: Physically consistent mesoscale model evaluation in complex terrain. Quarterly Journal of the Royal Meteorological Society, e70063, <https://doi.org/10.1002/qj.70063>.

New contacts

- Neil Hindley has joined Sonja Gisinger and Petr Šácha as co-chair of the Working group on Waves and Dynamics.
- Lorenzo Giovannini is taking over from Nadia Vendrame as the new representative for the Adige Valley Target Area. Thank you, Nadia, for your contributions to TEAMx.

If you have news for the next TEAMx Newsletter (e.g., new TEAMx publications, presentations, projects, datasets, or outreach activities), please report them here:

<https://fileshare.uibk.ac.at/f/01f55a3e18944424ab37/>