

TEAMx Newsletter July 2024

TEAMx Observational Campaign

The TEAMx Observational Campaign (TOC) is just around the corner. The TOC will start on 15 September and will run for a full year until September 2025. First instruments for the TOC will be deployed in September and some of the operational weather services will start delivering their high-resolution numerical forecast runs, which will be used during EOPs for IOP planning. The beginning of the TOC will also be accompanied by further test measurements for the summer EOP in 2025, including an aircraft test flight in the Inn Valley.

In the meantime, preparations are progressing fast for the two EOPs. The Task Team Flight Planning is currently developing coordinated flight plans for the three aircraft participating in TEAMx; individual research groups and target area representatives are locating ideal measurement sites; and the Task Team Data Management has finalized the TEAMx Data Management Plan, which will be shared with the community in the next few weeks. Six operational centers will run high-resolution NWP forecasts for the EOPs or the whole TOC. Forecast products from these runs will be made available to the TEAMx community to provide support for IOP decisions and field planning.

4th TEAMx Workshop

Save the date! The 4th TEAMx Workshop will be taking place on 19-20 November 2024 in Innsbruck. It will be a hybrid event and will focus on the exchange of important information about TOC activities before the start of the winter EOP. Further information will be sent in a few weeks, when we will also open registration.

TUE	WED
19	20
TEAMx Workshop	

Numerical Modeling Plan

The final version of the [Numerical Modeling Plan](#) is available on the TEAMx Website. The document summarizes the ongoing and planned TEAMx model intercomparison studies and the planned NWP runs for the TOC. It further provides a literature review identifying known model challenges over complex terrain and guidelines and best practices for model studies.



TEAMx Pre-Campaign 2022 publication

In 2022 a preliminary campaign took place in the Inn Valley to test new instrumentation and measurement locations, involving several TEAMx institutions. A [joint publication](#) summarizing the setup and observed processes has just been published online in the Meteorologische Zeitschrift.



New TEAMx projects

- Matthias Aichinger-Rosenberger (ETH Zürich) has received funding from a GCOS-CH call at MeteoSwiss to advance the GNSS interferometric reflectometry technique using machine learning.
- Lindsey Nicholson (University of Innsbruck) and Tobias Sauter (Humboldt-Universität zu Berlin) have received funding from FWF and DFG through a joint WEAVE proposal to assess the resilience and vulnerability of mountain ice masses. The project will include a TEAMx measurement campaign at the Hintereisferner glacier in summer 2025.

New partners

Four new partners have recently signed the Memorandum of Understanding

- Consiglio Nazionale delle Ricerche, Istituto di Scienze Polari
- Université Grenoble Alpes
- Institute of Geophysics and Meteorology, University of Cologne
- Università Cattolica del Sacro Cuore