



## SESSIONS EUCOP6\_2023

**Session title:** Permafrost temperature changes and active layer dynamics: from local observations to global assessments of the permafrost system

**Names, affiliations and emails of the conveners:**

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**Summary:**

The Global Terrestrial Network for Permafrost (GTN-P) is the primary international programme concerned with long-term monitoring of permafrost. The core mission of GTN-P is to maintain a comprehensive and standardized long-term monitoring network to provide consistent, representative, and high quality long-term data on permafrost parameters. GTN-P ensures the distribution and availability of these data that can be used to assess the state of permafrost conditions and changes over time across Earth's high latitude and altitude regions. This session provides a forum for discussing, assessing, and planning permafrost observational activities in both hemispheres, progress in data preservation, management and dissemination. We invite presentations addressing: (1) results of active layer and permafrost temperature monitoring at site-specific scales; (2) integration of observational data for comprehensive regional and global assessments of permafrost and active layer changes; (3) use of GTN-P data for validation, modelling assimilation and reanalysis products for Earth System Models; (4) integration of remote sensing applications and observational data; (5) collaboration of GTN-P with other related monitoring programs. We seek contributions from those directly involved in GTN-P, as well as representatives from the broader research community who are using GTN-P data.