



GTN-P

Global Terrestrial
Network for
Permafrost



January 6, 2020

Dear Members of the GTN-P Community,

we would like to thank you for your numerous contributions to our network and for being a valuable member of the GTN-P! We are looking forward to work together in 2020 towards a successful implementation of the Global Terrestrial network for Permafrost and hope to see you at the upcoming conferences and workshops! Below, you will find the highlights, and important deadlines for the upcoming events, as well as some news from our partner organizations.

We wish you a successful year 2020!

Dima Streletskiy, Chair

Anna Irrgang, Executive Director

GTN-P Highlights in 2019

- ***GTN-P Publications: More than 60 publications were published using GTN-P data in 2019***, including analyses of site-specific and regional trends in permafrost, and validations of modeling and remote sensing products. GTN-P members contributed to the BAMS State of the Climate Report, and national and international assessments of climate change, including the recently approved IPCC SROCC and the 6th Assessment reports which are currently in progress. A special highlight is the study published in Nature Communications in January 2019, co-authored by numerous GTN-P members and led by Boris Biskaborn. The article received more than 21K views and was already cited more than 30 times in 2019! **This clearly shows the need for data on permafrost changes across various regions and a broad interest in this topic.**
- ***GTN-P Data Service:*** GTN-P continued to provide users up to date information on the thermal state of permafrost and active layer thickness. **More than 3000 individual users visited the GTN-P website in 2019.** Over 1500 of them used the database. We thank all field investigators and national correspondents for their time and effort put in the collection and upload of observational data. We also thank the staff of Arctic Portal for their ongoing work on the GTN-P webpage and GTN-P database.

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Jeannette Nötzli (Co-Chair)

Sharon Smith (Co-Chair)

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Alexey Maslakov (YNC)

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Sarah Strand (IPA Representative)

Contact: GTNP-Secretariat@awi.de



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- **GTN-P and GCOS:** GTN-P continued to work towards defining products and requirements for the next GCOS implementation plan. While TSP and ALT are existing observation variables to measure the Essential Climate Variable (ECV) permafrost, **rock glacier kinematics and thaw subsidence are potential new permafrost related observation variables that are currently under consideration by GCOS.** These two new parameters will be further worked on at the GTN-P workshop at the ICOP in Lanzhou in 2020.
 - **GTN-P conferences and workshops:** GTN-P held a productive session at SouthCOP in Queenstown, New Zealand, December 4-14, 2019. We sincerely thank Megan Balks (New Zealand NC) for the warm welcome and successful conference! This year, the GTN-P Steering Committee will hold a National Correspondents Meeting and a corresponding session at ICOP in Lanzhou (see detailed information below).

Call for nominations:

The GTN-P Steering Committee (SC) is seeking nominations from the National Correspondents (NC) to take on leadership roles in advancing GTN-P to meet future challenges and goals. The selection of the new SC will take place at the ICOP in Lanzhou. Members of the SC are expected to serve a four year term after ICOP and can be re-elected. More information on GTN-P governance is available in the GTN-P Strategy and Implementation Plan at <http://library.arcticportal.org/1938/>.

All NC are eligible to submit self-nominations or nominate a colleague (please make sure that the person is aware and agrees to be nominated). Details on the nomination procedure will be provided in a separate e-mail. Nominations are accepted until May 31, 2020.

Data Management System

Thank you for submitting your data to the GTN-P Database (<http://gtnpdatabase.org/>). The entire GTN-P community benefits from the open access to permafrost data. The data are used widely, as can be seen in numerous publications in peer-reviewed journals, and national and international assessment reports related to permafrost, environment and climate change. **Keeping our data up to date is essential for the visibility and future sustainability of GTN-P.** The data are also highly relevant for people and communities who are directly affected by permafrost changes.

If you have not had a chance to meet the December 31 deadline for data submission, we still encourage you to submit the data at your earliest convenience. If you have trouble with data submission, please do not hesitate to contact either Ólafur Sigurðsson, System Administrator at Arctic Portal (olafur@arcticportal.org), or the GTN-P secretariat (GTNP-Secretariat@awi.de).

Please also review our online tutorials at <https://gtnp.arcticportal.org/data/database-management-system/8-news/92-database-tutorials>.

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Upcoming Conferences

2020: GTN-P at ICOP in Lanzhou

The next ICOP will take place in Lanzhou, China from June 22 to 26, 2020 (<http://icop2020.csp.escience.cn/dct/page/1>).

GTN-P will have a **National Correspondents Meeting on Sunday, June 21, 2020**. While there is no detailed program available yet, we asked to have GTN-P sessions on Monday, June 22nd, 2020. The preliminary program is available here: <http://icop2020.csp.escience.cn/dct/page/65580>.

Please take 30 seconds to fill the online form (<http://go.gwu.edu/gtnp>) to indicate, if you are planning to attend the workshop and/or GTN-P session.

We would like to remind you that the deadline for abstract submission is January 31. **Please consider submitting your abstract to the Session 8.2. Global Terrestrial Network for Permafrost (GTN-P)** (<http://icop2020.csp.escience.cn/dct/page/70163>). The GTN-P session is co-chaired by Tonghua Wu (thuawu@lzb.ac.cn), Kelsey Nyland (knyland@gwu.edu) and Dongliang Luo (duodongliang@lzb.ac.cn).

Students and early career researchers who submit by the deadline will be eligible to receive a registration waiver. To qualify for the waiver you must be an undergraduate or graduate student or young researcher having received your terminal degree no more than three years ago. You have to submit at least one abstract to apply.

2021: RCOP in USA

The next RCOP will take place at the University of Colorado Boulder from July 11 to 18, 2021 (<https://www.uspermafrost.org/21rcop/>). The session proposals are due February 14, 2020 and we are planning to submit a GTN-P session. Please contact Dima Streletskiy (strelets@gwu.edu), if you are interested to co-chair the session.

2022: RCOP in SPAIN

Save the date! The 6th European Conference on Permafrost will be held in Puigcerdà, from June 19 to 23, 2022.

News from Partner Organizations

T-MOSAIc - Terrestrial Multidisciplinary distributed Observatories for the Study of Arctic Connections

GTN-P is a partner of T-MOSAIc, an IASC pan-Arctic, land-based program that will extend the activities of the program MOSAIc: 'The Multidisciplinary drifting Observatory for the Study of Arctic Climate'. The objective of T-MOSAIc is to coordinate complementary activities from

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MOSAiC by extending the work to the lands surrounding the Arctic Ocean and to the northern communities who live on those lands.

T-MOSAiC is aiming at an updated snapshot of the Arctic during 2020. GTN-P plays an important role in this task, by providing access to updated permafrost temperatures across the circum-Arctic. Only by keeping your borehole data updated in the GTN-P database, you will contribute to T-MOSAiC's initiatives! **For T-MOSAiC it is very important that the data from 2019 to 2021 are made available quickly after the summer seasons, in order to guarantee their access to the various science teams.**

For more information on T-MOSAiC, please contact the Executive Secretary of T-MOSAiC Diogo Ferreira (diogo.folhas@tecnico.ulisboa.pt), or visit the T-MOSAiC website at <http://www.t-mosaic.com>.

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