

Preliminary agenda, v1



First user workshop of the

ESA Climate Change Initiative (CCI+) – Permafrost Essential Climate Variable

Target audience: current & potential new permafrost_cci users, scientists and organisations interested in permafrost, including specifically climate modellers. Students are welcome.

Date: Monday, 27 September 2021, 14:00-18:00 CET

Venue: Virtual Meeting

Meeting link: Distributed in advance of the meeting to the registered participants

14:00 – 14:05 Welcome (Frank Martin Seifert, ESA; Tazio Strozzi, Gamma)

14:05 – 14:20 Overview and Status of Permafrost_cci (Annett Bartsch, b.geos)

14:20 – 15:05 Use and requirements for climate modelling (10 min presentation + 5 min discussion)

- Heidrun Matthes, AWI : ‘Using CCI+ Permafrost Data in model evaluation’
- Kazuyuki Saito, JAMSTEC: ‘Development and application of a long-term budget model of soil carbon and ground ice for the evolution and distribution in the circum-Arctic’
- Eleanor Burke, Met Office: ‘Comparing climate models and CCI time series data’

15:05 – 15:50 Combined use of Permafrost_cci data (10 min presentation + 5 min discussion)

- Alexandra Runge, AWI: ‘Permafrost Vulnerability Framework with Multiple Essential Climate Variables’
- Ingmar Nitze, AWI: ‘Combination of Permafrost_cci time series with Landsat trends’
- Annett Bartsch, b.geos: ‘Use of Permafrost_cci and GlobPermafrost products in H2020 Nunataryuk’

15:50 – 16:00 Break

16:00 – 17:00 Utility of DUE GlobPermafrost products (10 min presentation + 5 min discussion)

- A. Bartsch: ‘GlobPermafrost heritage – selected use examples’

- Sebastiajn Ruiz-Pereira, Pontifical Catholic University of Chile: 'Latitudinal permafrost zonation throughout the Andes (27-33°S)
- Ivan Sudakow, University of Dayton: 'Spatial analysis of large tundra lakes'
- Tbc

17:00 – 17:30 Discussion of challenges for CDR production (7 min presentation + 3 min discussion)

- Sebastian Westermann, UIO: 'Algorithm implementaion'
- Birgit Heim, Simeon Lisovski, AWI : 'Validation'
- Tazio Strozzi, Gamma + Reynald Delaloye, University Fribourg: ',Rock glacier kinematics'

17:30 – 18:00 Open discussion on requirements and specifications of permafrost products as guidelines for further developments