



DUE GlobPermafrost Phase I

List of oral and poster presentations at the 11th International Conference on Permafrost (ICOP), Potsdam, 20-24 June 2016.

(Authors in bold are part of the ESA GlobPermafrost team)

Oral presentations:

Frank Martin Seifert, Annett Bartsch, Guido Grosse, Andreas Kääh, Sebastian Westermann, Tazio Strozzi, Andreas Wiesmann, Claude Duguay: GlobPermafrost - How Space Supports Understanding of Permafrost?, S4.2 Permafrost Mapping and Data.

Ingmar Nitze, Guido Grosse, Benjamin M. Jones, Daniel J. Hayes: A Landsat based monitoring framework for permafrost landscape dynamics, S2.3 Integrating field and remotely sensed measurements of thaw-driven landscape change in permafrost regions.

Prajna Regmi Lindgren, **Guido Grosse,** Vladimir Romanovsky: Landsat-Based Lake Distribution and Changes in Western Alaska Permafrost Regions Between 1972 and 2014, S7.4 The importance of lakes and ponds in permafrost regions.

Andreas Kääh, Tazio Strozzi, Annina Sorg, Markus Stoffel: Variations in rockglacier speed in the Tien Shan and their significance, S2.4 New frontiers in mountain permafrost research.

Sebastian Westermann, Moritz Langer, Kristoffer Aalstad, Julia Boike, Kjersti Gislås, Maria Peter, Thomas Schuler, Torbjørn Østby, Bernd Eitzelmüller: Mapping the thermal state of permafrost through modeling and remote sensing, S5.2 Permafrost Mapping and Data.

Tazio Strozzi, Rafael Caduff, **Urs Wegmüller,** Charles Werner, Chloé Barboux, Reynald Delaloye, Hugo Raetz: New frontiers in detecting and quantifying mountain permafrost creep from radar interferometry, S3.4 New frontiers in mountain permafrost research.

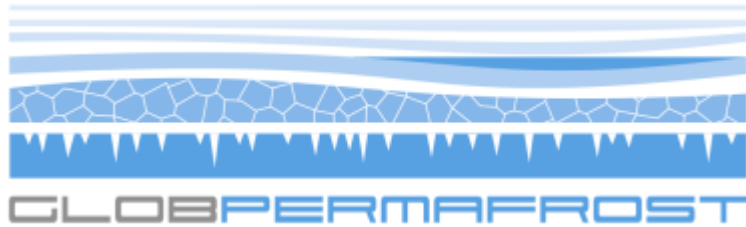
Posters:

Birgit Heim, Annett Bartsch, Alison Beamish, Samuel Stettner, Marcel Buchhorn, **Claude Duguay,** Hoegstroem Elin, **Barbara Widhalm,** Kirsten Elger, Skip Walker: User and Expert-supported Validation and Evaluation Experiments for high-latitude permafrost landscapes: ESA DUE PERMAFROST (2009-2012) and ongoing EnMAP, PAGE21, and HGF-EDA programs.

Barbara Widhalm, Annett Bartsch, Marina Leibman, Yury Dvornikov, **Birgit Heim:** Combining remote sensing and field studies for assessment of landform dynamics and permafrost state on Yamal.

Matthias Fuchs, **Guido Grosse,** Benjamin M. Jones, **Ingmar Nitze:** Coupling soil field data with remote sensing to inventory permafrost soil carbon for two small Arctic river deltas, Alaska.

Mahmud Haghshenas Haghghi, Mahdi Motagh, **Birgit Heim,** Sabine Chabrilat, Dmitry Streletskiy, **Guido Grosse,** Torsten Sachs, Katrin Kohnert: Analysis of summer subsidence in Barrow, Alaska, using InSAR and hyperspectral remote sensing.



Sebastian Laboor, Guido Grosse, Antonie Haas, Birgit Heim, Ingmar Nitze: The Arctic Permafrost Geospatial Centre (APGC): A new central platform for hosting and distributing geospatial permafrost datasets.

Sofia Antonova, **Claude Duguay, Andreas Kääb, Sebastian Westermann,** Moritz Langer, **Birgit Heim,** Julia Boike: TerraSAR-X backscatter and interferometric coherence of thermokarst lake ice in the Lena River Delta.

Kristoffer Aalstad, **Sebastian Westermann,** Julia Boike, Laurent Bertino, Kjetil Schanke Aas: An ensemble-based snow data assimilation framework with applications to permafrost modeling.