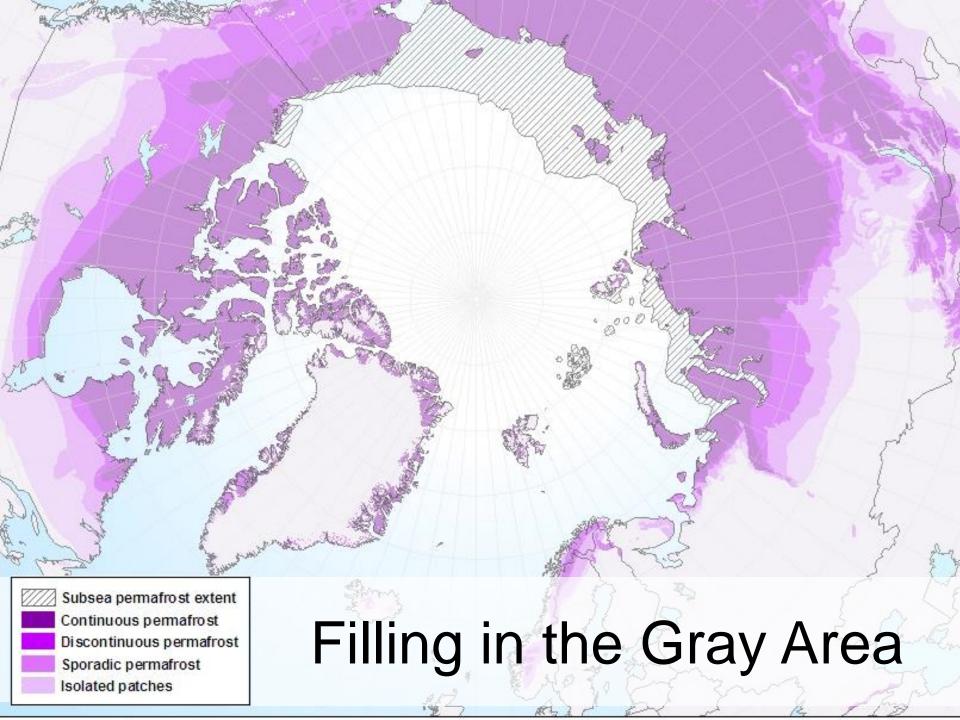
SuPerMAG: Submarine Permafrost Mapping Action Group

Paul Overduin

Alfred Wegener Institute for Polar and Marine Research, Potsdam, Germany







Approach

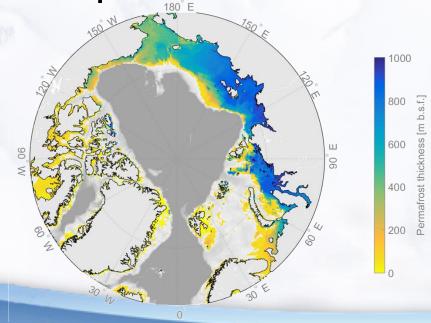
- International and multi-disciplinary team
- Circumpolar modelling
- Successive approach to parameterization with step-by-step sensitivity analyses

Challenges

- Parameterization over long time frames:
 - neotectonics
 - isostasy
 - geothermal heat flow
 - glacial and deglacial sediment dynamics
 - sea level curves
- Lack of validation data

Activities

- Model development completed in December 2015
- First-order parameterization completed in parallel to model development
- Early 2016: initial model runs completed



Current Outlook

- Publication & release of first results: at the 11th International Conference on Permafrost (Potsdam, Germany, June 2016)
- Action Group decision on further action

CliC's Role

- Endorsement and integration
- Outreach and publication
- Possible support for young scientist
- Workshop support

Pending June 2016 conference