



Permafrost Research Priorities

An IPA-CliC roadmap for the future

permafrostpriorities.org



Permafrost Research priorities

- Aim is to define research priorities for the next ten years in permafrost science and engineering
- Transparent process based on the engagement of the permafrost science and engineering communities
- Embedded in international efforts and supported by several international organizations
- Output targeting policy-makers and funding agencies
- Coordinated by an expert group



Background and academic framework

- Two ways to go about defining research priorities
 - Behind closed doors
 - Engaging the entire community
- Other research communities have developed similar efforts and have built a body of knowledge based on these
- Recently, SCAR conducted a „horizon scan“ based on this framework



The PRP Core Group

- Hugues Lantuit (Chair)
- Michel Allard
- Margareta Johansson
- Gleb Kraev
- Michael Krautblatter
- Gerhard Krinner
- Edward A. G. Schuur
- Mauro Guglielmin

- Jenny Baeseman (CliC)
- Karina Schollän (IPA)
- Ylva Sjöbert (CliC Fellow)



The PRP process

Research question input by community

Consolidation of questions by Core Group

Ranking of questions by community

Selection and grouping of questions in themes by Core Group

Writing and release of paper by Core Group



Collection of research questions

- Research questions will be collected through an online form accessible from both the CliC and the IPA website
- Research questions need to fulfill the following criteria:
 - Need to be answerable through a realistic research design (which can rely on future technological developments)
 - Should not be formulated as a general topic area (e.g. geomorphology, ecology)
 - If related to impact and interventions, should contain a subject, an intervention and a measurable outcome.
- The questions will be collected and consolidated by the Core Group



Ranking of research questions

- The questions will be categorized in research themes created by the core group after consultation with the IPA EC and the CliC SSG
- Researchers will be asked to „rank“ the questions collected in their area of expertise
- The voting system will be setup to avoid double voting
- At the end, a list of ranked questions will be available in each research theme



Writing phase

- The core group will meet in January 2015 to discuss the results of the ranking process
- The core group will decide, based on its own expertise and the input of the community, how many questions per theme will be selected for the final list of questions
- The questions will be provided with an abstract written by core group members and put together in a short document
- An additional (and longer) paper authored by the core group will be published to describe the entire process



Data privacy

- Some biographical information (age, country, number of publications published, etc.) will be collected in the process
- Nominal information (i.e. email address) will be decoupled from the voting process and completely removed at the end.



Funding

- The IPA and CliC Secretariat are providing in-kind support and web hosting for this effort
- A CliC fellow was recruited to provide additional input and secretarial support
- The monetary funding for this effort will mostly be used to support travel to the writing meeting of January 2015 for the core group
- Monetary funding is provided by CliC and by an Action Group of the IPA. An application will be submitted to the Cryosphere Working Group of IASC



Questions will be taken after the PYRN report on PRP

See you on

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