



# The Permafrost Young Researchers Network (PYRN)

## Perspectives and Priorities of the next Generation on Permafrost Research

### PYRN Executive Committee 2014-2016 & ExOfficios

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### PYRN

- ❖ is an **international network** fostering innovative **collaboration, seeking to recruit, retain, and promote future generations of permafrost researchers**
- ❖ is evolving and expanding its network since its establishment in **2005**, in the framework of the 2nd International Conference on Arctic Research Planning (ICARP II)
- ❖ comprises **about 1,200 members** from natural and social science, engineering and humanities
- ❖ is a self-organized network, structured in an **executive committee, a council, and national representatives**



PYRN Executive Committee 2014 to 2016

#### PYRN Executive Committee

George Tanski, President  
Alexandre Bevington, Vice-President  
Elin Högström, Secretary  
Josefine Lenz, Treasurer  
Denis Frolov, Webmaster  
Silvie Harder, APECS Elena Kuznetsova  
Alexey Maslakov, ICOP  
Jens Strauss, Outreach-Newsletter  
William Longo  
Cayetana Recio Blitz

#### PYRN Council

Boris Radosavljevic, Chair  
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Julia Stanilovskaya, PB  
Jennifer Frederick, Sascha Niemann, Samuel Stettler  
Stefanie Weege, Katrin Kohner



#### PYRN National Representatives

Germany, Austria, Switzerland (PYRN DACH): Carole Pridel (CR), Niki Hofmeister (H)  
U.S.A.: Boris Radosavljevic, William Longo  
Norway: Jennifer Frederick, Anne Morgenstern  
Spain: Cayetana Recio Blitz  
Canada: Alexey Maslakov, Silvie Harder  
Russia: Denis Frolov, Alexey Maslakov

<http://pymn.arcticportal.org>

PYRN organigram for 2014-2016



### recent PYRN activities

- ❖ Organization of **workshops and social events** on international and regional conferences
- ❖ **Newsletter** via PYRN mailing list and job postings
- ❖ Renovation of the **website and the facebook page** to be more visible and distribute information effectively
- ❖ Definition of a **long-term strategy** for PYRN for the next 4 years and self-evaluation criterias'

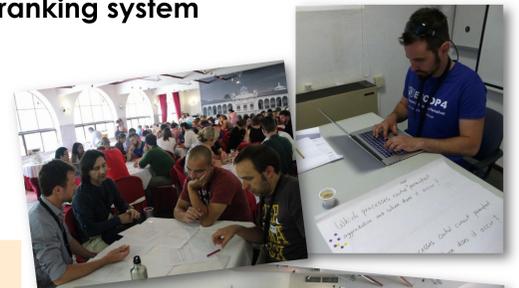
### Permafrost Young Researchers Workshop 2014



Participants of the Young Researcher Workshop at EUCOP4, Summer 2014

### PYRN members define priorities of permafrost research

- ❖ Within a **community input exercise** called "World Café" 88 participants actively discussed the future of permafrost research during a major workshop at the European Conference on Permafrost 2014 (Évora, Portugal)
- ❖ **Initial questions** were developed with an online survey, specified on-site during several rounds of **group discussions** finally and completed by a **democratic ranking system**
- ❖ Of the 20 final questions that received votes, the following **5 questions** were highlighted for future permafrost research:



World Café at the EUCOP4 Young Researchers Workshop as community input exercise

- Q1: How does permafrost degradation affect landscape dynamics at different spatial and temporal scales?
- Q2: How can ground temperature models be improved to better reflect permafrost dynamics at high spatial resolution?
- Q3: How can traditional environmental knowledge be integrated in permafrost research?
- Q4: What is the spatial distribution of different ground ice types and how susceptible is ice-rich permafrost to future environmental change?
- Q5: What is the influence of infrastructures on the thermal regime and stability of permafrost in different environmental settings?

➔ Fritz M., Deshpande B.N., Bouchard F., Högström E., Lepage J., Morgenstern A., Nieuwendam A., Oliva M., Paquette M., Rudy A.C.A., Siewert M.B., Sjöberg Y. and Weege S. (2015). Future avenues for permafrost science from the perspective of early career researchers. *The Cryosphere Discussions* 9, 1209–1225.

### What`s next?!

- ❖ We celebrate PYRN's **10<sup>th</sup> birthday** in various ways. Commencing tit a workshop and birthday party at **EGU2015**, we continue to celebrate at the Regional Geographic Conference (**IGU2015**) in Moscow, Russia and at the **PAST gateways conference** in Potsdam, and many more occasions
- ❖ We implement the PYRN census this year
- ❖ We work on a development of a **Permafrost Expedition Map (PEM)** for public, teachers, and students together with Polar Educators International
  - ❖ We continue workshop and conference planning for the 11<sup>th</sup> International Conference on Permafrost (**ICOP2016**), early career researchers are actively involved, e.g. as session co-conveners. The conference logo already has been found through an international competition organized by PYRN



### Young and interested in permafrost?!

Get involved and visit us on [pymn.arcticportal.org](http://pymn.arcticportal.org)



As we would like to increase PYRN's activity & visibility on all continents we are looking for national representatives, e.g. for PYRN Asia! Please contact us!

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