



Early-Career Workshop:

Arctic Science Summit Week, Prague

Thursday 6.4.2017

First Part: 14.-15.30

Second Part: 16-17.30

The Virgo Room

Multi-stakeholder cooperation and coordination in the Arctic

The rise of technological pessimism and political populism as well as the endurance of climate change skepticism are a few examples of social phenomena that are challenging the conduct of scientific research in the Arctic. The unprecedented nature of anthropomorphic global warming is, in turn, an example of the kind of techno-scientific uncertainty that the organization of the future governance of evolving global dynamics in the Arctic needs to take into consideration. This early-career workshop discusses challenges and opportunities for inter-disciplinary coordination and multi-stakeholder cooperation in the Arctic through the notion of boundary object from Science Technology Studies (STS).

The first part of the session is a roundtable-session with presentations from three early-career and three senior-scientists about their experiences in participating and organizing multi-disciplinary or multi-stakeholder workshops or projects that have, in one way or another, used specific material entities to facilitate communication and cooperation between participants from different social worlds (Thursday 6.4. at 14.-15.30 in the Virgo Room).

The second part of the session follows a more traditional workshop format. It starts with an in depth presentation of the kind of work the boundary object notion has been applied to in STS. This presentation is followed by a set of individual and group exercises in communicating one's own work, interests and goals to different audiences and social worlds by using the insights of this notion.

The workshop is open to all. Participants who register with Dr. Justiina Dahl (justiina.dahl@eui.eu) by 30.03.2017 will be sent a workshop information package upon registration. Registration is, however, not mandatory and pop-ins are welcome.

Agenda

First Part (14-15.30)

“Meaningful multi-disciplinarity and the governance of evolving global dynamics in the Arctic”

Introduction, Justiina Dahl, KTH Royal Technical Institute, Stockholm: “Challenges and opportunities for inter-disciplinary coordination and multi-stakeholder cooperation in the Arctic”

Presentations:

- **Sandra Starkweather**, The US Interagency Arctic Research Policy Committee: “Collaborations – Collaborative Infrastructure as an Engineered Boundary Object”
- **Ash Tepecik Diş**, KTH Royal Technical Institute, Stockholm: “The Fulbright Arctic Initiative Program Interdisciplinary Cooperation for a Sustainable Arctic Region”
- **Ingrid Medby**, University College London: “A Map’s Lines of Connection: Representation Beyond and Across Represented Boundaries”
- **Susanna Gartler**, University of Vienna: “The interactive map of the ‘Old Village’ in Mayo, Yukon Territory: Can this collaborative, multi-stakeholder endeavor be seen as a ‘boundary object’?”
- **Kathrin Keil**, Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany: “Developing an Arctic inter- and transdisciplinary research project involving the concept of boundary object”
- **Nadezhda Kharlampieva**, The Arctic and Antarctic Research Institute, Department of Hydrology and Water resources of the Russian Arctic: “Interdisciplinary cooperation between Russian and Chinese universities on Arctic governance”

Roundtable:

How do these different approaches to cooperation and collaboration Arctic compare with each other and how these kinds of innovations can contribute to a more comprehensive understanding of the challenges and opportunities for human activity in the future Arctic? How would you change your presentation if the audience was: a) scientists of different natural sciences b) journalist c) governmental working group preparing an Arctic agenda d) industry?

Second Part (16-17.30)

Introduction: “The notion of ‘boundary objects’ as a passage point to meaningful communication and cooperation between different social worlds in the Arctic” (Justiina Dahl)

Exercises:

Tutors: Ingrid Medby, Nadezhda Kharlampieva and Justiina Dahl

- **Exercise:** Mapping different social worlds present at or connected to your work site(s)
- **Group discussion:** What actors/actants are missing from the standpoint of other participants and disciplines? What kind of consequences, challenges and possibilities their inclusion would have to the research design might pose for your work?
- **Exercise:** How to present to and communicate with audiences of a) scientists of different natural sciences b) journalist c) governmental working group preparing an Arctic agenda d) industry.
- **Group discussion:** Importance and added value of being aware of the normative, ontological assumptions of different actors working with science, technology, environment and society that contribute to the development of governance of evolving global dynamics in the Arctic.