



Winter Weather and Climate Extremes: how can researchers, authorities and local peoples work together to record, predict and adapt?

Siberian Environmental Change Network 2017 Workshop Resolution

Based on a very successful workshop between decision makers, researchers and indigenous and local peoples in the Yamal-Nenets Autonomous District, Siberia and beyond, the participants resolve to improve dialogue among these groups by:

- Preparing guidelines of good practice for the three groups to work together. For example, developing guidelines for research stations to improve interactions with local communities.
- Recognising and using multiple "ways of knowing". For example, using the power of combining science observations with the knowledge and observing capacity of indigenous and local peoples to initiate research into unique, and potentially hazardous, environmental events and other impacts of climate change.
- Consulting widely when constructing research agendas to ensure the research is relevant, encompasses all sectors, knowledge types, disciplines, and peoples and is sustainable to its conclusion.
- Ensuring that the three groups work together to review the effectiveness of existing legislature and possible requirements for new laws relating to conflict in land use arising from environmental change. For example, developing regulations to prevent uncontrolled business activities in the Arctic due to climate change.
- Improving the impact of research by making science agendas and findings available in a variety of formats and languages and informing decision makers; from research planning, through implementation, to dissemination of results.
- Ensuring communication at multiple geographical levels and seeking comparability and synergies among local, regional, pan-Arctic and global scales to maximise information flow to decision makers at all levels. For example, the Science and Innovation Department of the Government of the Yamal-Nenets Autonomous District will join relevant existing networks selected from listings compiled by the INTERACT pan-Arctic network of research infrastructures.
- Improving communication at all levels of society with particular emphasis on capacity-building through education; ensuring that developing researchers, decision makers and local and indigenous peoples interact and develop a better mutual understanding from the outset.

The workshop participants appreciated the excellent facilities offered by the hosts and recognises the impressive achievements already made by the Science and Innovation Department of the Yamal-Nenets Autonomous District in bringing researchers, authorities and local peoples together to address environmental challenges. The workshop participants also appreciate the funding support from Tomsk State University and the Science and Innovation Network of the British Embassy, Moscow. This workshop is the second in a series operated by the Siberian Environmental Change network in collaboration with INTERACT.