

**Submission: T-2020-244-11**

**Title Useful Arctic Knowledge (UAK): Partnership for research and education between Norway, USA and Canada**

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Theme

- -Theme 2: Observing in Support of Adaptation and Mitigation
- OTHER - Topics relevant to Arctic Observing

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Poster title (brief) Useful Arctic Knowledge (UAK): Partnership for research and education between Norway, USA and Canada

Abstract - text box

The main goal of the UAK project, funded under the INTPART programme in Norway, is to build and maintain partnerships between educational and research institutions in Norway, USA and Canada on selected Arctic topics. These topics, which are relevant for many Arctic areas include: (1) Studies of natural and human-made hazards with focus on earthquakes, slope failures and fuel-spills, including the causes behind the hazards, how they can be monitored and how risks can be minimised and impact mitigated. (2) Status and change of the ocean acoustic environment, which is affected by increased shipping, tourism and exploitation of resources in the Arctic regions. The impacts of acoustic noise on the environment is important for developing mitigation plans for protection of marine life. (3) Cross-disciplinary data management and knowledge building from the increasing amount of data in the Arctic, especially from satellites, is important. (4) Community based monitoring evolving as an important contribution to an integrated Arctic Observing System. UAK is capitalizing on the experience in USA and Canada on Community based monitoring, where this method has been developed over many years. UAK brings together leading researchers and educators in natural science topics, community-based monitoring and data management. A research school was organized at UNIS, Svalbard in December 2018 with 30 participants from eight countries. A follow-up workshop was organized at National Snow and Ice Data Center at University of Colorado in October 2019, with focus on communication between science and the public. Science and research communications can be broadly defined as the practice of informing, educating, sharing curiosity, and raising awareness of science and research-related topics. Methods include engagement with the media (newspaper, radio, television, blogosphere, social media etc.), compelling story-telling, film making, podcasting, public engagement, and many others. In 2020 UAK will organize further training and education activities through a summer school in Svalbard where science communication will be part of the programme. It is expected that the work in UAK will have positive impact on cooperation between science and public sectors.