

**Submission: T-2020-243-12**

**Title Capacity-building in Arctic standardisation development**

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Theme

- -Theme 1: Design, Optimization and Implementation of the Observing System

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Poster title (brief) Capacity-building in Arctic standardisation development

Abstract - text box

CAPARDUS is a Coordination and Support Action under H2020 with focus on capacity-building to develop guidelines, standards and best practices related to exploitation of new technologies and utilization of data to support sustainable development in the Arctic. The capacity-building involve scientists, students, technology providers, economic actors, local communities, regulators and their organisations, who will participate in a series of workshops and research schools. These events will be used as part of case studies in local communities in different regions, showing how the social-environmental systems are changing Arctic communities and what the drivers are for these changes. Climate change leads, through melting of ice, to improved access to the Arctic and its resources, offering new opportunities for communities and for economic development related to exploration of natural resources, tourism, transport, and other industries. But for the traditional hunters and fishers it means increasing uncertainty when foraging on the land as climate change means that local ecological knowledge no longer applies and wildlife and fish stocks are reduced or change distribution and migration routes which means decreased welfare unless these traditional activities that they depend on can be replaced by other more formal income generating activities which is far from certain in remote communities. This presents extraordinary requirements for planning and decision-making based on environmental and societal information, assessments and predictions. A prerequisite for good planning is access to data and information of relevance to the operators in the Arctic. The project will develop a Comprehensive Framework Model for Arctic Standard and Best Practices as a collaborative effort between scientists, local communities and other stakeholder groups, including economic actors who are interested in business development in the Arctic. CAPARDUS will provide a roadmap for implementation of the comprehensive framework for sustainable economic development in the Arctic, to the benefit of both local communities and other stakeholder groups. CAPARDUS will thereby contribute to EU's Arctic policy, the Sustainable Development Goals (SDGs) and the Paris Agreement.