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Theme

Sub-Theme 2: Implementing and Optimizing a pan-Arctic Observing System

Author list (in order)

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Poster title (brief)

The Canadian Consortium for Arctic Data Interoperability: A New Data Network Initiative for Canada

Abstract - text box

The Canadian Consortium for Arctic Data Interoperability is developing an Arctic Research Data Infrastructure predicated on a vision to support and grow a research community that fully engages Inuit; that is properly governed so as to enhance individual, local, regional, national, and international initiatives in data management and research; and that builds capacity across a network of linked data centres with common standards, practices, tools, and expertise. It will facilitate data discovery and description, enabling data to be shared across systems for upload, analysis, and visualization. It will support efficient, effective use of data, allowing Canada to better realize the benefits of our decades of investment in Arctic research and observation. It will support Inuit self-

determination, enabling informed actions for managing decision making around multiple issues. It will support operational activities by making information from space-based technologies more accessible and usable for those charged with search and rescue, ensuring safe transportation and protection of life, environment, and infrastructure in Canada's Arctic. It will support the flow of necessary information for Arctic policy development and, where there are economic opportunities, provide access to needed data for ensuring sustainable development, improving monitoring, and minimizing environmental impact.