

Start of Arctic Challenge for Sustainability (ArCS) II project (2020-2025)

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Arctic Challenge for Sustainability II (ArCS II) has been launched in June 2020, for 5 years project. Toward a sustainable Arctic, ArCS II will promote advanced observation of Arctic environmental change and its process, improve weather and climate prediction, assess environmental change in the Arctic and its impact on society, implement the research achievement in the society, and provide local and global stakeholders with scientific knowledge that is the basis of legal and policy responses for the formation of international rules in the Arctic.

This project aims to promote advanced and interdisciplinary research on the Arctic region and aim for its social implementation. ArCS II sets following 4 strategic goals and priority subjects to realize the aim of the project.

Strategic Goals

- Strategic Goal 1: Advanced Observation of Arctic Environmental Change
- Strategic Goal 2: Improvement of Weather and Climate Prediction
- Strategic Goal 3: Impact of Arctic Environmental Change on Society
- Strategic Goal 4: Legal/Policy Response and Research Implementation for a Sustainable Arctic

11 research programs will be carried out collaboratively under these four strategic goals.

Priority Subjects

To develop human resources in research activities and to improve research groups are in urgent necessity. Also, we must achieve immediate and useful dissemination of the knowledge and information acquired through this project that contributes to social implementing. ArCS II works on following two priority subjects:

- Priority Subject 1: Capacity Building and Research Promotion

International Research Exchange Program, Overseas Fellowship Program, Call for Complementary Research Projects

- Priority Subject 2: Strategic Dissemination of Arctic Information

Arctic Environmental Information Website, Arctic Sea Ice Information Center, Education and Outreach, Expert Participation in International Forums and Information Sharing with Policy-Makers

Research Infrastructures

In this project, research infrastructures, such as, equipment, facilities and resources possessed by NIPR, JAMSTEC, Hokkaido Univ. and Japan Aerospace Exploration Agency (JAXA), are available for the research activities.

International Collaboration Site, Research Vessel, Earth Observation Satellite Data, Arctic Data archive System (ADS)

Project Goal

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