International Collaboration and Cooperation

Survey Submitted from: Japan

As one goal of the ASM3 is to increase opportunities for cooperation, coordination, and collaboration in international Arctic research, we ask for information that can assist researchers from other countries, international organizations, Indigenous Peoples and community members in getting involved with your projects. The information collected will inform the Joint Statement signed by Ministers and be made available to the international research community through the ASM3 final report. **As we seek key points from these questions, short answers and bullet points are encouraged.**

1. Does your country/organization provide specific opportunities for international collaborators to participate in activities? If so, briefly describe how (1500 character limit).
   E.g.: Does your country/organization provide international fellowships? Are there berths on research ships for international participants? Does your country/organization have joint funding/exchange programs with various countries/organizations? Are there specific links or resources for international participants to learn more about opportunities within your country/organization?

2. Does your country/organization provide specific opportunities or support for Indigenous Peoples and/or community involvement in Arctic research activities? If so, briefly describe how (1500 character limit).

3. In what area(s) of research would your country/organization like to see greater international collaboration occurring (1500 character limit)?

4. What does your country/organization think are the barriers to international collaboration? Do you have any suggestions on how those barriers could be lowered or removed (3000 character limit)?

5. The ASM2 Joint Statement also encouraged the involvement and participation in several international efforts dealing with Arctic science. Does your country/organization contribute to any of the following initiatives? *(Choose all that apply)*

   - ☐ Agreement on Enhancing International Arctic Scientific Cooperation by the Arctic States (Arctic Council)
   - ☐ Joint Program of Scientific Research and Monitoring of the Central Arctic Ocean (Agreement to Prevent Unregulated High Seas Fisheries in the Arctic Ocean)
   - ☐ 2030 Agenda for Sustainable Development
   - ☐ The Paris Agreement
   - ☐ Other: _____

6. A goal of ASM3 is to develop concrete actions from our discussions. To facilitate this process, please indicate what the most important outcomes your country/organization would like to result from each of the ASM3 Themes[1] (300 character limit per theme):

   - ❄ Theme 1: Observe
     Observing networks, Data sharing – towards implementation
     E.g. With the help of the Arctic Funders Forum, develop a mechanism to co-mingle funds internationally in support of coordinated observing

   - ❄ Theme 2: Understand
     Enhance understanding and prediction capability on Arctic environmental and social systems and its global impact.

   - ❄ Theme 3: Respond
     Sustainable development, Evaluation of vulnerability and resiliency, Application of knowledge

   - ❄ Theme 4: Strengthen
     Capacity building, Education, Networking, Resilience – prepare future generations

7. Does your country/organization participate in ongoing international projects/activities such as Sustaining Arctic Observing Networks (SAON), Multidisciplinary drifting Observatory for the Study of Arctic Climate (MOSAiC), Svalbard Integrated Arctic Earth Observing System (SIOS), Pacific Action Group (PAG), Distributed Biological Observatory (DBO), etc.? If so, please list which ones and a short description on your involvement in each (less than 20 words each)
   E.g. The SAON Secretariat is financially supported by Norway through a grant from the Ministry of Climate and Environment.

[1] Draft themes as of 10 April. The specific wording of subtitles may change but the overall concepts of Observe, Understand, Respond and Strengthen will remain.

8. Would your country/organization be interested in supporting the coordination/administration of international Arctic research and education efforts such as SAON, Polar Educators International, APECS, IASC, an ASM Secretariat, Arctic Funders Forum, IASSA, UArctic, etc.[2]? If so, who(m) would be the contact agency and/or person?

9. Does your country/organization have formally established Arctic science or research priorities? Arctic science or research strategy documents? Guidelines, diversity requirements, principles or codes of conduct for researchers? If so, please provide the references and links to the documents.

10. The Forum of Arctic Science Funders is a multi-lateral discussion platform to initiate new and enhanced collaborative scientific activities in the Arctic. This Forum is a direct result of the Arctic Science Ministerial. Does your country/organization participate in the Forum of Arctic Science Funders? If so, please describe what you see is the utility of the Funders Forum to the Arctic Science Ministerial going forward.

11. Please list any additional resources/links providing an overview of Arctic research/education in your country/organization.

[2] Sustaining Arctic Observing Networks (SAON): https://www.arcticobserving.org
Polar Educators International (PEI): https://polareducator.org
Association of Polar Early Career Scientists (APECS): https://www.apecs.is
International Arctic Science Committee (IASC): https://iasc.info
Arctic Science Ministerial (ASM) Secretariat: http://asm3.org
Arctic Funders Forum
International Arctic Social Sciences Association (IASSA): https://iassa.org
University of the Arctic (UArctic): https://www.uarctic.org