

Submitting Country/Organization

1. Project Title (150 character limit)
2. Funding Program(s) and/or Organization(s)
3. Coordinating organization(s)
4. Name of main contact person
5. Contact email address
6. Summary of Project/Project Goal (300 character limit)
7. Description of the project (3000 characters limit)
8. Website
9. Duration of Project (YYYY to YYYY)
to
10. Personnel/Staff Involved
11. What is the diversity of project personnel/staff (E.g. gender, career stage, Indigenous representation) (1500 character limit):

12. Stage of Project Development

13. Next steps for the project if in the proposed, early planning or ongoing stages (1500 character limit):

14. Major progress/developments since ASM2 (1500 character limit):

15. Are there opportunities for new collaborators to join? If so, please describe them. (1500 character limit)

16. Collaborating Countries/Governments (*Choose all that apply*)

- | | | |
|---|--|--------------------------------------|
| <input type="checkbox"/> Austria | <input type="checkbox"/> Greenland | <input type="checkbox"/> Russia |
| <input type="checkbox"/> Belgium | <input type="checkbox"/> Iceland | <input type="checkbox"/> Singapore |
| <input type="checkbox"/> Canada | <input type="checkbox"/> India | <input type="checkbox"/> Spain |
| <input type="checkbox"/> China | <input type="checkbox"/> Italy | <input type="checkbox"/> Sweden |
| <input type="checkbox"/> Czech Republic | <input type="checkbox"/> Japan | <input type="checkbox"/> Switzerland |
| <input type="checkbox"/> Denmark | <input type="checkbox"/> Netherlands | <input type="checkbox"/> UK |
| <input type="checkbox"/> Faroe Islands | <input type="checkbox"/> Norway | <input type="checkbox"/> USA |
| <input type="checkbox"/> Finland | <input type="checkbox"/> Poland | <input type="checkbox"/> EU |
| <input type="checkbox"/> France | <input type="checkbox"/> Portugal | <input type="checkbox"/> Other(s): |
| <input type="checkbox"/> Germany | <input type="checkbox"/> Republic of Korea | |

17. Location of Project (*Choose all that apply*)

- | | | |
|---|--|--|
| <input type="checkbox"/> Global | <input type="checkbox"/> Norway in General | <input type="checkbox"/> Labrador Sea |
| <input type="checkbox"/> Polar in General | <input type="checkbox"/> Norwegian Arctic | <input type="checkbox"/> Davis Strait |
| <input type="checkbox"/> Arctic in General | <input type="checkbox"/> Svalbard | <input type="checkbox"/> Baffin Bay |
| <input type="checkbox"/> Sub-Arctic in General | <input type="checkbox"/> Sweden in General | <input type="checkbox"/> Denmark Strait |
| <input type="checkbox"/> Alaska in General | <input type="checkbox"/> Swedish Arctic | <input type="checkbox"/> Norwegian Sea |
| <input type="checkbox"/> Alaskan Arctic | <input type="checkbox"/> Finland in General | <input type="checkbox"/> Greenland Sea |
| <input type="checkbox"/> Canadian Arctic in General | <input type="checkbox"/> Finish Arctic | <input type="checkbox"/> Barents Sea |
| <input type="checkbox"/> Yukon | <input type="checkbox"/> Russian Arctic in General | <input type="checkbox"/> Kara Sea |
| <input type="checkbox"/> Northwest Territories | <input type="checkbox"/> Eastern Siberia | <input type="checkbox"/> Laptev Sea |
| <input type="checkbox"/> Nunavut | <input type="checkbox"/> Western Siberia | <input type="checkbox"/> East Siberian Sea |
| <input type="checkbox"/> Nunavik | <input type="checkbox"/> Arctic Ocean in General | <input type="checkbox"/> Sea of Okhotsk |
| <input type="checkbox"/> Labrador | <input type="checkbox"/> Central Arctic Ocean | <input type="checkbox"/> North Pacific Ocean |
| <input type="checkbox"/> Greenland | <input type="checkbox"/> Bering Sea | <input type="checkbox"/> North Atlantic Ocean |
| <input type="checkbox"/> Iceland in General | <input type="checkbox"/> Chukchi Sea | <input type="checkbox"/> No Geographic Orientation |
| <input type="checkbox"/> Icelandic Arctic | <input type="checkbox"/> Beaufort Sea | <input type="checkbox"/> Other Regions |
| <input type="checkbox"/> Faroe Islands | <input type="checkbox"/> Hudson Bay | |

18. Keywords describing the Deliverable/Project (*Choose all that apply*)

- | | | |
|---|--|---|
| <input type="checkbox"/> adaptation | <input type="checkbox"/> geological sciences | <input type="checkbox"/> permafrost |
| <input type="checkbox"/> art | <input type="checkbox"/> geophysics | <input type="checkbox"/> policy |
| <input type="checkbox"/> atmosphere | <input type="checkbox"/> geopolitics | <input type="checkbox"/> pollution |
| <input type="checkbox"/> atmospheric sciences | <input type="checkbox"/> glaciers | <input type="checkbox"/> prediction |
| <input type="checkbox"/> biodiversity | <input type="checkbox"/> global | <input type="checkbox"/> remote sensing/GIS |
| <input type="checkbox"/> biology | <input type="checkbox"/> greenhouse gases | <input type="checkbox"/> resilience |
| <input type="checkbox"/> capacity building | <input type="checkbox"/> history | <input type="checkbox"/> resources |
| <input type="checkbox"/> carbon | <input type="checkbox"/> human & health sciences | <input type="checkbox"/> satellites |
| <input type="checkbox"/> change | <input type="checkbox"/> humanities | <input type="checkbox"/> sea ice |
| <input type="checkbox"/> climate | <input type="checkbox"/> ice sheets | <input type="checkbox"/> snow |
| <input type="checkbox"/> collaboration | <input type="checkbox"/> Indigenous Knowledge | <input type="checkbox"/> social sciences |
| <input type="checkbox"/> communication | <input type="checkbox"/> Indigenous Peoples | <input type="checkbox"/> society |
| <input type="checkbox"/> community | <input type="checkbox"/> industry | <input type="checkbox"/> space physics |
| <input type="checkbox"/> community driven | <input type="checkbox"/> infrastructure | <input type="checkbox"/> stakeholders |
| <input type="checkbox"/> coordination | <input type="checkbox"/> instrument development | <input type="checkbox"/> standardize |
| <input type="checkbox"/> cryosphere | <input type="checkbox"/> knowledge | <input type="checkbox"/> subsistence (activities) |
| <input type="checkbox"/> culture | <input type="checkbox"/> land | <input type="checkbox"/> sustainability |
| <input type="checkbox"/> data management | <input type="checkbox"/> languages | <input type="checkbox"/> technology |
| <input type="checkbox"/> disease | <input type="checkbox"/> law | <input type="checkbox"/> tourism |
| <input type="checkbox"/> ecology | <input type="checkbox"/> mapping | <input type="checkbox"/> vulnerability |
| <input type="checkbox"/> economic development | <input type="checkbox"/> marine | <input type="checkbox"/> water security |
| <input type="checkbox"/> ecosystems | <input type="checkbox"/> mitigation | <input type="checkbox"/> weather |
| <input type="checkbox"/> education | <input type="checkbox"/> modelling | <input type="checkbox"/> well-being |
| <input type="checkbox"/> fisheries | <input type="checkbox"/> monitoring | <input type="checkbox"/> wildlife |
| <input type="checkbox"/> food security | <input type="checkbox"/> observation | <input type="checkbox"/> Other: |
| <input type="checkbox"/> forecasts | <input type="checkbox"/> oceanography | |
| <input type="checkbox"/> freshwater | <input type="checkbox"/> outreach | |

19. Does the project include (*Choose all that apply*):

- | | | |
|--|---|--|
| <input type="checkbox"/> Natural sciences | <input type="checkbox"/> Indigenous Knowledge | <input type="checkbox"/> Education/Capacity Building |
| <input type="checkbox"/> Social sciences | <input type="checkbox"/> Community-driven | <input type="checkbox"/> Outreach |
| <input type="checkbox"/> Arts & Humanities | research/monitoring | |

20. If this Deliverable/Project was submitted for ASM1, which theme does it most closely relate to? (*Choose one*)

Identifying Arctic-Science Challenges and Their Regional and Global Implications

Strengthening and Integrating Arctic Observations and Data Sharing

Applying Expanded Scientific Understanding of the Arctic to Build Regional Resilience and to Shape Global Responses

Empowering Citizens through Science Technology, Engineering, and Mathematics (STEM) Education Leveraging Arctic Science

Not submitted to ASM1 / Do not know

21. As this Project/Deliverable was submitted as a contribution to support the goals of the ASM2 Joint Statement, which areas does it specifically address? (Choose up to 3)

- Theme 1: Strengthening, Integrating and Sustaining Arctic Observations, Facilitating Access to Arctic Data, and Sharing Arctic Research Infrastructure
 - Move from design to deployment phase of an integrated Arctic observing system
 - Sustained Arctic Observing Networks (SAON)
 - Copernicus
 - Svalbard Integrated Arctic Earth Observing System (SIOS)
 - Distributed Biological Observatory (DBO)
 - Other observing system:
 - Enhance cooperation among space agencies
 - Cooperate in facilitating international access to Arctic Research Infrastructure
 - Make Arctic research and monitoring datasets available, discoverable and relevant for communities
 - Explore new technologies for unmanned observing systems and remote sensing

- Theme 2: Understanding Regional and Global Dynamics of Arctic Change
 - Enhance international cooperation
 - Year of Polar Prediction (YOPP)
 - Multidisciplinary Drifting Observatory for the Study of Arctic Change (MOSAIC)
 - Increase predictive capabilities for Arctic weather and climate
 - Improve confidence in predications for future Arctic changes
 - Promote voluntary international cooperation
 - Predicting sea-ice changes
 - Understanding the impact of changes on freshwater, terrestrial and marine ecosystems
 - Assessing the stability of permafrost
 - Better predicting the dynamics of ice sheets, glaciers and ice caps and their ocean connections
 - Understanding social and economic drivers of Arctic change

- Theme 3: Assessing Vulnerability and Building Resilience of Arctic Environments and Societies
 - Enhance multilateral scientific cooperation between Arctic and non-Arctic States, Indigenous Peoples, local communities, and societal and economic stakeholders
 - Identifying risks and minimizing the impacts of climate and global changes on the Arctic
 - Developing adaptation and resilience-building strategies
 - Developing activities that address the sustainability of new Arctic opportunities
 - Develop and integrate in the Arctic region services making use of climate information
 - Develop and disseminate best practices for coping with impacts of Arctic change
 - Develop research and educational programs to support Indigenous languages, cultural and economic practices, sustainable ways of living, and heritage resource preservation

22. In addition to the specific scientific topics mentioned in the ASM2 Joint Statement (identified in the question above), several additional points were agreed to as important. Does this project relate to any of these points identified in the statement? If so, please check the relevant points and include a summary of what was done in the project to address the point(s) in less than 250 words in the space below:

- Striving for diversity - also of gender - and inclusiveness in Arctic science, recognizing that cultivating talent and promoting excellence across the social spectrum will lead to better problem solving and innovative solutions to Arctic scientific challenges
- Acknowledging that, where appropriate, research in the Arctic has to be carried out - in compliance with national and sovereignties and jurisdictions - respecting the values, interests, priorities, culture and traditions of Arctic Indigenous Peoples and local communities
- Including Indigenous Peoples in the assessment and definition of Arctic research priorities
- Involving local communities

Progress made (1500 character limit):

23. Is this Deliverable/Project also being submitted toward the goals of ASM3? If so, which theme¹ does it most closely relate. (*Choose one*)

- Theme 1: Observe
Observing networks, Data sharing – towards implementation
- 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

24. Was this project/deliverable created specifically for / or as direct result of Arctic Science Ministerial Meetings?

- Yes
- No

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.