

Survey of norms and conventions used for Svalbard

The CAPARDUS project has focus on documenting norms and conventions ranging from guidelines, practices, standards to regulations within selected areas important for people living and working in the Arctic.

Norms and conventions are established and implemented to ensure a safe and sustainable development of communities in the Arctic. For example standards and regulations are implemented to avoid building houses in areas threatened by avalanches and erosion, or to avoid activities destroying heritage sites or disturbing living environment for wildlife.

The purpose of this survey is to map the awareness and use of norms and conventions within different sectors. The survey addresses the development of guidelines and how they are connected to regulations. Finally, there are questions about access to data and sharing of knowledge within the thematic areas.

We therefore invite you to respond to the questions which will take about 15 min.

This survey is following the ethical guidelines for questionnaire surveys from the Norwegian National Research Ethics Committees <https://www.forskningsetikk.no/en/resources/the-research-ethics-library/methods/questionnaire-surveys/>. This means individual responses will not be published, only statistics and summaries. By filling in the survey, you consent to using the responses in such aggregated manners.

Contact information (optional input on last page) will not be shared with anyone outside the CAPARDUS project.

Acknowledgement:

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* Required

Responder information

CAPARDUS contacts people working in different sectors of the society in Svalbard, and wants to map their interests in topics that are important for a sustainable development of the region. Please select your main sector and all relevant interests below. Use the "Other" option to give additional information not in the predefined list of choices.

1. What is your main sector? (Choose one) *

Mark only one oval.

- Commercial sector - on shore (e.g. logistics, transport, engineering, energy supply)
- Commercial sector - offshore (e.g. logistics, shipping, fisheries)
- Commercial - services (e.g. tourism, hotels, shops, restaurants)
- Public sector - Health
- Public sector - Planning and management (e.g. infrastructure, roads)
- Public sector- Education
- Public sector - Surveillance, search and rescue
- Research (public and commercial)
- Social Actors and NGOs (e.g. Red Cross, political organisation)
- Other: _____

2. Which of the following topics are of interest to you? (Select up to 3 topics) *

Check all that apply.

- Climate change
- Community planning and design (e.g protection and use areas)
- Cultural heritage management
- Decision making
- Health – clean food and water including access and traditional food
- Infrastructure design and engineering e.g. energy supply and roads
- Leisure activities
- Natural resource management
- Pollution (e.g oil, plastic)
- Safety (operational safety, sea ice, hazards response)
- Technology for commercial development
- Technology for research
- Tourism
- Transportation (on shore and offshore)

Other: _____

The Arctic Council

The Arctic Council is the leading intergovernmental forum promoting cooperation, coordination and interaction among the Arctic States, Arctic Indigenous peoples and other Arctic inhabitants on common Arctic issues, in particular on issues of sustainable development and environmental protection in the Arctic. It was formally established in 1996.

3. Arctic Council Working Groups addresses important issues for the Arctic and the people who live there. Are you aware of these working groups, have you used any of their reports, and/or provided input to their reports? *

Check all that apply.

	Not aware of	Aware of	Used their reports	Provided input to their reports
ACAP - Arctic Contaminants Action Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AMAP - Arctic Monitoring and Assessment Programme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CAFF - Conservation of Arctic Flora and Fauna	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EPPR - Emergency Prevention, Preparedness and Response	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PAME - Protection of the Arctic Marine Environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SDWG - Sustainable Development Working Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Which of these are most important for your sector? (Select maximum 2 working groups.)

Check all that apply.

- ACAP - Arctic Contaminants Action Program
- AMAP - Arctic Monitoring and Assessment Programme
- CAFF - Conservation of Arctic Flora and Fauna
- EPPR - Emergency Prevention, Preparedness and Response
- PAME - Protection of the Arctic Marine Environment
- SDWG - Sustainable Development Working Group

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Practices,
guidelines,
standards
and
regulations.

A practice is a working method or procedure accepted and used in your sector. Guidelines are general recommendations, principles and advices, agreed upon and used within your sector. A standard is an authoritative practice accepted by a national or international organisation to provide a uniform methodology, measure or definition for a specific or a group of sectors. Regulations are a set of rules made and maintained by a government authority.

5. Are you aware of the following practices, guidelines, standards, and regulations? *

Check all that apply.

	Not aware of	Aware of	Used	Contributed to
Polar Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other International Maritime Organization (IMO) guidelines and codes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good practices provided by Arctic Council working groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Svalbard law including planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Park Regulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Svalbard – Meld. St. 32 (2015–2016) Report to the Storting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guidelines and regulations for safety on Svalbard (Syssemmannen)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guidelines for Research on Svalbard (Syssemmannen)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Svalbard Environmental Law	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AECO community guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. How easy is it to read and use these documents? Rate each document from difficult (1) to easy (6). Select NA (not applicable) if you don't use the document. *

Mark only one oval per row.

	NA	1	2	3	4	5	6
Polar Code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other International Maritime Organization (IMO) guidelines and codes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Good practices provided by Arctic Council working groups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Svalbard law including planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Park Regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Svalbard – Meld. St. 32 (2015–2016) Report to the Storting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guidelines and regulations for safety on Svalbard (Sysselmannen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guidelines for Research on Svalbard (Sysselmannen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Svalbard Environmental Law	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AECO community guidelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Which of those documents are most important for your sector? *

Check all that apply.

- Polar Code
- Other International Maritime Organization (IMO) guidelines and codes
- Good practices provided by Arctic Council working groups
- Svalbard law including planning
- National Park Regulations
- Svalbard – Meld. St. 32 (2015–2016) Report to the Storting
- Guidelines and regulations for safety on Svalbard (Sysselmannen)
- Guidelines for Research on Svalbard (Sysselmannen)
- Svalbard Environmental Law
- AECO community guidelines

8. What other practices, guidelines, standards and regulations do you use or are aware of? Please give a link or reference.

Development of
practices,
guidelines,
standards and
regulations

The process for developing common methodologies can vary from one sector to another. In the following we will ask questions to learn who is involved in the development of such documents.

9. At what level are practices, guidelines, standards and regulations developed in your sector? *

Check all that apply.

	I do not know	Institutional	Sector	Cross sector	Community level (e.g. municipality)	National	International
Practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guideline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. How involved are you in processes leading to development of practices, guidelines, standards and regulations for your sector? Please give a range from 1 (not involved) to 6 (leading such processes). *

Mark only one oval per row.

	1	2	3	4	5	6
Practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Guideline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. What important areas in your sector are not covered by practices, guidelines, standards and regulations?

Data access and use

Data are available from a number of Arctic data systems. However, these data systems may be hard to access and use, since they are operated by many different providers.

Scientific data are collected within short and long-term research projects, programs and research infrastructures and cover all scientific disciplines. Data from monitoring programs are routinely collected for public services such as weather forecasting and ecosystem management. Community Based Monitoring (CBM) is observing programs driven by local needs for observations and information in support of community values and sustainable development. In Citizen Science (CS) data are collected in whole or in part, by volunteers.

12. What categories of data do you access and use? *

Check all that apply.

	No access	Have access	Do not use	Use (case by case basis)	Use (regular basis)	Contribute to
Research project data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data from monitoring programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community Based Monitoring Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Citizen Science data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public survey or market analysis data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. How easy is it to get access to data and to use the data? Rate it from difficult (1) to easy (6). Select NA (not applicable) if you don't use the document. *

Mark only one oval per row.

	NA	1	2	3	4	5	6
Research project data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data from monitoring programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community Based Monitoring Data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizen Science data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public survey or market analysis data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. How can the scientific, community-based and/or citizen science community better support you in your work?

Knowledge and knowhow

Access and management of knowledge and knowhow

In most sectors it is important to build on knowledge and "knowhow" gained through practical work. Knowledge and knowhow is available at different levels within your organisation, sector or community. The following questions look into the current situation and how such resources could be better organised in the future.

15. How do you manage, document, and preserve knowledge and knowhow in your organisation? *

Check all that apply.

- Personal archival system
 Custom built archival system for institution
 Sector archival system
 Governmental/national archival system
 International archival system

Other: _____

16. What archival systems are most important in your sector?

17. How do you obtain and share knowledge and knowhow within and outside your sector? *

Check all that apply.

- Personal contact
 Courses and lectures
 Expert forums and meetings
 Web based platforms (e.g. institutional webpages, project webpages, YouTube)
 Electronic Communications (e.g. e-mail, social media,)
 Libraries, journals, document sharing platforms

Other: _____

18. What could help to improve sharing and enhancing knowledge and knowhow in your sector? *

Check all that apply.

- Existing archive solution works well
- Continue to develop existing archives for my institution or sector
- Establish archive to store and publish documents for my sector
- One multi sectorial archive with capabilities for linking between relevant sectors and domains
- Better search functionality inside and across archives for different sectors
- Multi lingual support (e.g. for search)

Other: _____

19. What concerns do you have about sharing knowledge and knowhow? *

Check all that apply.

- None
- Commercial interests/exploitation
- Security
- Privacy
- Competitiveness
- Complicated and/or time consuming
- Not sure if the knowledge or knowhow is worth sharing

Other: _____

Use of
scientific
knowledge
and results

Science programs are providing results and knowledge which can be useful the society. It is important to know how accessible, understandable, and useful these results are for the different sectors

20. Do you use scientific knowledge in your work? *

Check all that apply.

	Do not use	Use (case by case basis)	Use (regular basis)
Natural sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medical sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information and communication sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21. How easy is it to access and use the scientific knowledge in your sector? Rate it from difficult (1) to easy (6). Select NA (not applicable) if you don't use scientific knowledge. *

Mark only one oval per row.

	NA	1	2	3	4	5	6
Natural sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Economic sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information and communication sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22. How do you learn about scientific results? *

Check all that apply.

- TV and streaming services
- Web (e.g. wikipedia, community sites)
- Scientific journals
- Newspapers and magazines
- Meetings and work related events
- Collaboration with scientists

Other: _____

**Next
steps**

Thank you for responding to this survey. The CAPARDUS survey will be followed up in a series of workshops. These workshops will target interests and issues identified through this survey. If you would like to participate in any of the workshops we kindly ask you to provide name and e-mail below. We will use this to send you information and invitation to the upcoming workshops. Your contact information will not be shared with other research projects or collaborators.

23. Your name

24. Your email

25. Suggested topics for a CAPARDUS workshop

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