Nansen Environmental and Remote Sensing Center
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ARCMAP - Survey of Arctic in situ observing systems and data collections

Marine data in the Arctic – From mapping to knowledge. ARCMAP was a spinoff project from INTSAROS with the objective to develop a web-based survey application for collection of updated information about Arctic in-situ observing systems and their collected data.

The background for ARCMAP was a questionnaire used in INTAROS for surveying in-situ observing systems in the Arctic (Fig. 1). The results of the survey are available in Ludvigsen et al. 2018).

ARCMAP
FROM MAPPING TO KNOWLEDGE

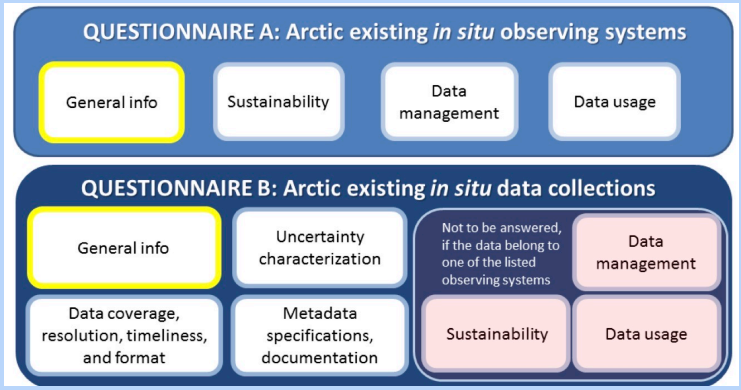

Figure 1. Structure of the questions used in the INTSAROS survey.

In ARCMAP we

- Extend the questionnaires from INTAROS
- Develop a web-based survey application for easy registration and update of information
- Develop tools to analyze the collected information
- Conduct a survey among Norwegian institutions

ARCMAP survey application is developed in Python and JavaScript using open source frameworks Django and wq. The application can be run in a common web browser; no additional plugins are needed. ARCMAP can be accessed from the INTAROS public web site: http://intaros.eu

ARCMAP development has been supported by the Norwegian Ministry for Climate and Environment and the Nansen Environmental and Remote Sensing Center

References:

Ludvigsen, C. A., Pirazzini, R., Sagen, H., Hamre, T., Sandven, S., Stette, M., et al. (2018). INTAROS Deliverable 2.1. Report on Present Observing Capacities and Gaps: Ocean and Sea Ice Observing System.

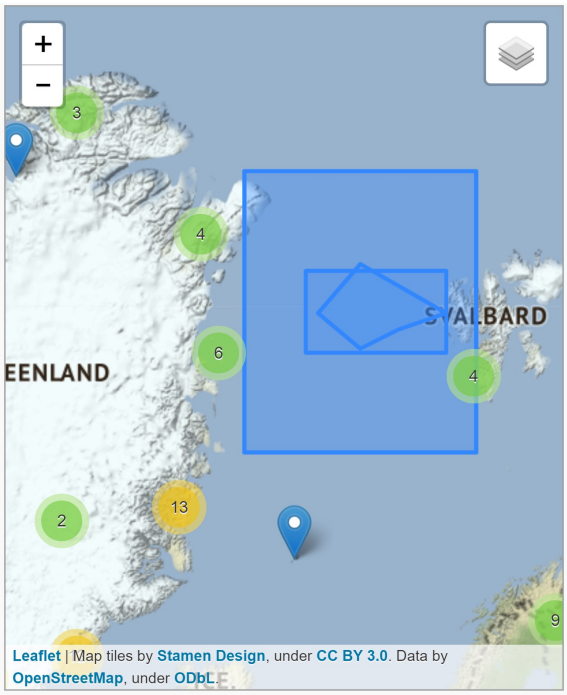

Figure 2. Map of the areas surveyed by ARCMAP.

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