



ARCTIC REGIONAL
HYDROGRAPHIC
COMMISSION

ARMSDIWG Report

Current status and planned actions of the ARMSDIWG in its fourth full year of operation.

10th Arctic Regional Hydrographic Commission Meeting
13-14 AUG 2020

ARMSDIWG4

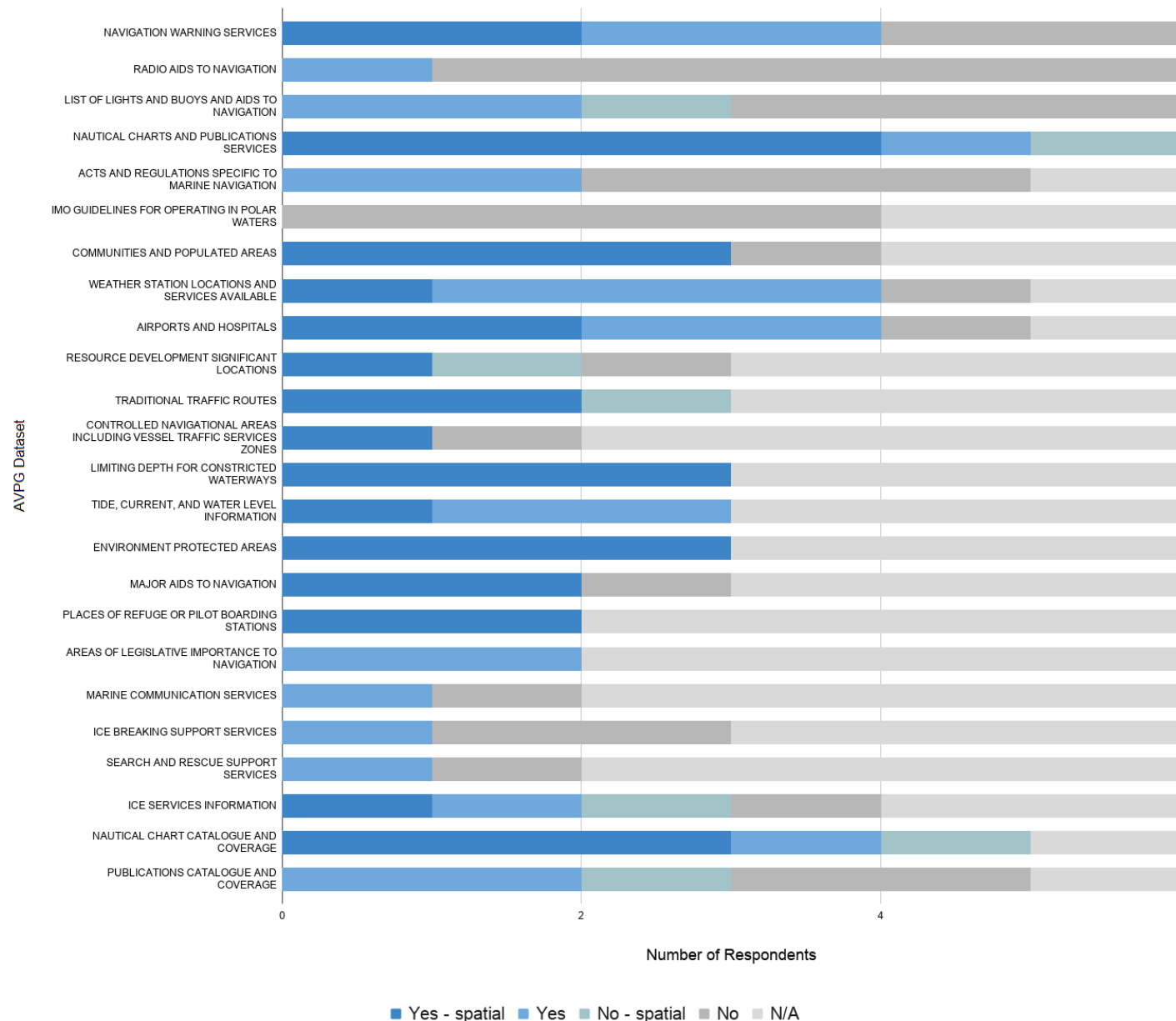
- ARMSDIWG 4.1, 22 APR 2020
- ARMSDIWG 4.2, 27 APR 2020
- ARMSDIWG 4.3, 08 JUN 2020

- ***Highlights:*** monitoring the work of related working groups (e.g., IHO MSDIWG, OGC Marine DWG, UN-GGIM WG-MGI, Arctic SDI), and a major focus on the Arctic Voyage Planning Guide (AVPG).

AVPG Status

- 24 Datasets in AVPG
 - 5 strongly supported:
 - Navigation Warning Services
 - Nautical Charts and Publication Services
 - Weather Station Locations and Services Available
 - Airports and Hospitals
 - Nautical Chart Catalogue and Coverage.
- Collective 38% currently available to support AVPG required datasets.

Current Web Service Availability for AVPG Themes



AVPG Options

- Prototype: provide only the 5 most strongly supported AVPG datasets.
- In order to successfully provide a comprehensive AVPG, office-level requirements may need to be established for each ARHC participating nation to ensure that data exists and is curated to supply the information required to fulfill the AVPG themes.
 - Individual respondent results have been distributed to ARMSDIWG representatives.
- ARMSDIWG Hackathon
 - Potential future activity that may help to quickly build a MSDI-enabled AVPG
 - Access, availability, and essential existence of supporting data will be critical prior to commencing a Hackathon.

Final Approval: Arctic SDI and ARHC Joint Statement of Intent

*The Arctic National Mapping Agencies of the **Arctic SDI Board** and the Member State Representatives of the **Arctic Regional Hydrographic Commission (ARHC)** are committed to maintain a collaborative partnership in order to provide both the terrestrial and marine foundations in a regional SDI. The collaboration will facilitate bringing land and marine data together in an infrastructure that connects users across domains to the spatial data valued to support research, planning, and decision making in the Arctic.*

Invited Actions of ARHC

- Take note of the report.
- Discuss the need for HO-level requirements in order to provide data necessary to support the MSDI-enabled AVPG, and take action to review results of the AVPG Initialization Survey with their ARMSDIWG representative to understand where gaps in data availability may exist.
- Discuss the creation and hosting of an AVPG Portal Prototype.
- Finally approve and endorse the Joint Statement of Intent with the Arctic SDI Board.
- Take action as seen appropriate.