

**ARCTIC REGIONAL MARINE SPATIAL DATA INFRASTRUCTURES WORKING GROUP (ARMSDIWG)  
CONSOLIDATED WORK PLAN 2017-2020**

*Version 14 April 2017*

**Tasks**

A	Common Understanding of MSDI in Arctic
B	Spatial Data Interoperability, Sharing and Display
C	Liaise with External Users of MSDI
D	ARMSDIWG / Arctic SDI Collaboration
E	Geospatial-enablement of Arctic Voyage Planning Guide (AVPG)
F	Pan-Arctic Bathymetry Database
G	Annual Meetings

**Work Items**

Work item	Title	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A.1	Establish a framework for common understanding of MSDI between ARHC MS.	H	▪ White Paper	APR 2017		O	ALL	White Paper	<ul style="list-style-type: none"> <li>▪ Ref. D</li> <li>▪ Complimentary marine components</li> <li>▪ SDI Manual for the Arctic V1 2016.</li> </ul>
A.2	Identify and asses the current status and challenges of individual ARHC MS MSDI implementation nationally and regionally.	H	▪ Reporting Template	APR 2017		O	CAN, USA, NOR		<ul style="list-style-type: none"> <li>▪ Possible reporting template to be used by individual MS.</li> <li>▪ Arctic SDI – reports available?</li> <li>▪ Canada MSDI Questionnaire basis for reporting criteria</li> <li>▪ Template covers 4 MSDI components / pillars</li> <li>▪ Yearly presentation at ARMSDIWG workshop</li> </ul>
B.1	Monitor and seek MSDI development opportunities with the OGC Marine DWG.	M	▪ OGC Concept Development Study (CDS) Proposal	APR 2017		O	c/ARMSDIWG		<ul style="list-style-type: none"> <li>▪ CDS Proposal – Arctic Bathy cross-community sharing.</li> </ul>

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B.2	Promote hydrographic data discoverability in Arctic.	H	<ul style="list-style-type: none"> <li>▪ General ARMSDIWG presentation for outreach</li> <li>▪ ARHC Homepage</li> <li>▪ ARMSDIWG webpage</li> <li>▪ AVPG</li> </ul>	OCT 2017		O	ALL		<ul style="list-style-type: none"> <li>▪ Ref. C, and Ref. D (Marine data use in Arctic SDI)</li> <li>▪ Professional work group &amp; stakeholder engagement / awareness</li> </ul>
B.3	Maintain an ARMSDIWG White Paper for external awareness.	M	<ul style="list-style-type: none"> <li>▪ V1.1 Completed</li> </ul>	APR 2017		O	ALL		<ul style="list-style-type: none"> <li>▪ Ref. A</li> </ul>
C.1	Identify potential users of Arctic MSDI.	H	<ul style="list-style-type: none"> <li>▪ Organizational meeting for a contact plan</li> </ul>	OCT 2017		O	ALL		<ul style="list-style-type: none"> <li>▪ Include in template report Ref. A.2</li> <li>▪ Invite to workshops</li> </ul>
C.2	Gain and analyze feedback from potential users of Arctic MSDI.	M	<ul style="list-style-type: none"> <li>▪ Contact Plan</li> </ul>	OCT 2017		O	ALL		<ul style="list-style-type: none"> <li>▪ Workshop invitations</li> <li>▪ National reporting template</li> <li>▪ OGC CDS</li> <li>▪ Professional engagement</li> </ul>
D.1	Monitor the development of the Arctic SDI and seek areas for regional collaboration and sharing.	H	<ul style="list-style-type: none"> <li>▪ Meetings to be scheduled at least yearly</li> <li>▪ Continued national contact between mapping agency and HO</li> </ul>	SEP 2017		O	ALL		<ul style="list-style-type: none"> <li>▪ Skype meeting, webinars (e.g. OGC)</li> </ul>
D.2	Establish communication channels between ARHC MS HOs and Arctic SDI National Mapping Agencies to promote sharing of SDI information and find areas for collaboration.	M	<ul style="list-style-type: none"> <li>▪ Initial meeting with Arctic SDI in APR 2017</li> </ul>	APR 2017	APR 2017	C	ALL		<ul style="list-style-type: none"> <li>▪ Contacts identified by ARMSDIWG in Arctic SDI National Contact Point list.</li> </ul>
D.3	Find common data release and sharing for HO and National Mapping Agency (governance/policies)	M	<ul style="list-style-type: none"> <li>▪ In policy / governance section of report template</li> </ul>	APR 2018		O	ALL		<ul style="list-style-type: none"> <li>▪ Data policies with national mapping in the reporting template Ref. A.2</li> <li>▪ Ref. D.1 and D.2</li> </ul>

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E.1	Identify data types and standards for an AVPG.	H	<ul style="list-style-type: none"> <li>▪ Concept Paper</li> <li>▪ After ARHC approval implementation plan</li> </ul>	OCT 2017	OCT 2018	P	ALL		<ul style="list-style-type: none"> <li>▪ Refer to action list ARMSDIWG1</li> </ul>
E.2	Work to incorporate AVPG themes and related spatial data into a geospatial portal as part of the greater Arctic MSDI.	H	<ul style="list-style-type: none"> <li>▪ Action list ARMSDIWG1</li> </ul>	APR 2018	APR 2020	P	ALL		<ul style="list-style-type: none"> <li>▪ IALA/ENAV</li> <li>▪ Refer to action list ARMSDIWG1</li> </ul>
F.1	Investigate the possibility of a Pan-Arctic Bathymetry Database.	H	<ul style="list-style-type: none"> <li>▪ Identified similar projects at ARMSDIWG1</li> </ul>	APR 2017	APR 2019	O	ALL		<ul style="list-style-type: none"> <li>▪ OGC Concept Development Study</li> <li>▪ GEBCO/IBCAO</li> <li>▪ Other external projects</li> </ul>
G.1	Conduct 2 yearly meetings (2018-2020)	H	<ul style="list-style-type: none"> <li>▪ 1 virtual meeting yearly (Fall).</li> <li>▪ 1 in-person meeting yearly (Spring)</li> </ul>	APR 2017	APR 2020	O	ALL		<ul style="list-style-type: none"> <li>▪ Should meetings always coincide with Arctic SDI meetings?</li> <li>▪ Investigate combined meeting with PAME</li> <li>▪ Next meeting (Skype) October 2017</li> </ul>

## Meetings

Date	Location	Activity
04-06 April 2017	Copenhagen, Denmark	ARMSDIWG1
October 2017	Virtual (Skype)	ARMSDIWG1.5

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