

International Hydrographic Organization (IHO)



**Arctic Regional Hydrographic Commission (ARHC)**

**11<sup>th</sup> Meeting**



**ARCTIC REGIONAL  
HYDROGRAPHIC  
COMMISSION**

Notes:  
ARHC11 is a virtual meeting and is scheduled to run from 07h00 to 10h30 EST each day.  
The meeting link will be active 30 minutes before the start of the meeting to enable testing of connections.  
Day 1 link: <https://global.gotomeeting.com/join/679599445>  
Day 2 link: <https://global.gotomeeting.com/join/465970621>  
VTC protocols:  
-Please keep cameras off and microphones muted until you are given the floor by the host.  
-To indicate a desire to address the meeting, please type, 'floor' in the chat window. Comments are also welcome in the chat window.  
-Interventions should be concise.

Agenda(s) Item / duration	Day/Time	Topic	Discussion Lead	Notes
<b>A. Opening and Administration</b>				
A1 , A2 /20 min	Day 1 07h00	Welcome, Opening Remarks, and Participant Introductions <i>DOC: <a href="#">ARHC11-A1 List of Participants</a></i>  <i><a href="#">ARHC11-A2 List of meeting documents</a></i>	Dr. Geneviève Béchard, vc/Chair and Host; Dr. Mathias Jonas ; All	Heads of Delegation to introduce their team members. Establishment of a quorum.
A3 /5	Day 1 07h20	Approval of the Agenda <i>DOC: ARHC11-A3 Agenda</i>	Dr. Geneviève Béchard	
A4 /5	Day 1 07h25	Review of Actions for ARHC <i>DOC: <a href="#">ARHC11-A4a ARHC10 Final Minutes</a></i> <i>DOC: <a href="#">ARHC11-A4b Status of Actions from ARHC10, IRCC, and IHO Council</a></i> <i>DOC: <a href="#">ARHC11-A4c Recommendations from IRCC13</a></i>	Doug Brunt Jonathan Justi	The following action is suggested from ARHC10: <b>ARHC11 Action xx</b> US to circulate 'Brief History of the ARHC' draft for comment and approval. – <b>ARHC10 Action 02</b> . The following actions are suggested from IRCC13: <b>ARHC11-Action xx</b> MS to advise the IHO Secretariat of any update/change to their position in relation with the CSB questionnaire (IHO CL 21/2020) – <b>IRCC13 Rec. 3</b> . <b>ARHC11-Action xx</b> MS to inform their

				WWNWSWG representatives to investigate and report to the IMO Secretariat and the Chair of the EGC Coordinating Panel on the progress and status of implementation of newly recognized mobile satellite services by MSI providers. – <b>IRCC13 Rec 11</b> . <b>ARHC11-Action xx</b> MS to review the IRCC recommendations in document ARHC11-A4c Recommendations from IRCC13
<b>B. IHO and National Reports</b>				
B1 /10 min	Day 1 07h30	IHO Secretariat’s Report to ARHC <i>DOC: <a href="#">ARHC11-B1 IHO Report</a></i> <i>DOC: ARHC11-B1 IHO Report - Presentation</i>	Dr. Mathias Jonas	
B2 /10	Day 1 07h40	National Report -Canada <i>DOC: <a href="#">ARHC11-B2 Canada National Report</a></i> <i>DOC: <a href="#">ARHC11-B2 Canada National Report -Presentation</a></i>	Chris Marshall, Maj. Peter McRae	
B3 /10	Day 1 07h50	National Report -Denmark <i>DOC: <a href="#">ARHC11-B3 Denmark National Report</a></i> <i>DOC: <a href="#">ARHC11-B3 Denmark National Report -Presentation</a></i>		
B4 /10	Day 1 08h00	National Report -Norway <i>DOC: <a href="#">ARHC11-B4 Norway National Report</a></i> <i>DOC: ARHC11-B4 Norway National Report -Presentation</i>		
B5 /10	Day 1 08h10	National Report –Russian Federation <i>DOC: ARHC11-B5 Russian Federation National Report</i> <i>DOC: ARHC11-B5 Russian Federation National Report -Presentation</i>		
B6 /10	Day 1 08h20	National Report –United States of America <i>DOC: <a href="#">ARHC11-B6 United States National Report</a></i> <i>DOC: <a href="#">ARHC11-B6 United States National</a></i>		

		<a href="#">Report -Presentation</a>		
15	08h30	Break		
B7 /10	Day 1 08h45	National Report -Finland <i>DOC: <a href="#">ARHC11-B7 Finland National Report</a></i> <i>DOC: <a href="#">ARHC11-B7 Finland National Report -Presentation</a></i>		
B8 /10	Day 1 08h55	National Report -Iceland <i>DOC: <a href="#">ARHC11-B8 Iceland National Report</a></i> <i>DOC: <a href="#">ARHC11-B8 Iceland National Report -Presentation</a></i>		
B9 /10	Day 1 09h05	National Report -Italy <i>DOC: <a href="#">ARHC11-B9 Italy National Report</a></i>		
<b>C. Reports of the ARHC Working Groups and other Officers</b>				
C1 /15 min	Day 1 09h15	Operational and Technical Working Group (OTWG) Report <i>DOC: <a href="#">ARHC11-C1 OTWG –Report</a></i> <i>DOC: <a href="#">ARHC11-C1 OTWG - Presentation</a></i>	US	<b>ARHC10 Action 7.</b> a) Call for MS CATZOC data for 2023 Assessment; b) Explore methodology enhancements; c) Consider other data sources e.g. ASTDB; and d) Inventory and assess V-datum tools.
C2 /10	Day 1 09h30	Arctic International Charting Coordination Working Group (AICCWG) Report <i>DOC: <a href="#">ARHC11-C2 AICCWG –Report</a></i> <i>DOC: <a href="#">ARHC11-C2 AICCWG – Presentation</a></i>	NO	<b>ARHC10 Action 8.</b> a) Way forward on regional ENC [gridded] chart scheme.
C3 /20	Day 1 09h40	Arctic Regional Marine Spatial Data Infrastructure Working Group (ARMSDIWG) Report <i>DOC: <a href="#">ARHC11-C3a ARMSDIWG -Report</a></i> <i>DOC: <a href="#">ARHC11-C3b ARMSDIWG – Presentation</a></i> <i>DOC: <a href="#">ARHC11-C3c Arctic SDI - ARHC Joint Statement of Intent Final</a></i> <i>DOC: <a href="#">ARHC11-C3d MSDI Data Web Service Checklist (.doc) (.pdf)</a></i>	US	

		<p>DOC: <a href="#">ARHC11-C3e ARMSDIWG ToR ver 21Oct2021</a></p> <p>DOC: <a href="#">ARHC11-C3f ARMSDIWG Work Plan 2021-2026</a></p>		
C4 /20	Day 1 10h00	<p>ARHC GEBCO and Seabed 2030 Coordinator Report</p> <p>DOC: <a href="#">ARHC11-C4 ARHC GEBCO-Seabed 2030 -Report</a></p>	NO	<p><b>ARHC10 Action 13:</b> a) With adoption of the IBCAO as a basis for assessing progress, continue to support Seabed 2030 project in the Arctic, including utilization of progress measures for the decade IRCC13.</p> <p>Recommendation 14: RHCs to encourage all Member States to actively contribute with new data to GEBCO and to discuss how MS can share existing data.</p> <p><b>IRCC13 Recommendation 15:</b> Encourage RHCs and relevant Bodies to contribute to the recommendations provided by Shell to increase the cooperation between HO's and Natural source Regulators and reduce permitting requirements for transits through countries EEZ's.</p>
C5 /10	Day 1 10h20	<p>Report of the IHO-EU Network</p> <p>DOC: <a href="#">ARHC11-C5 Report of the IHO-EU Network –Report</a></p>	DK	
5	10h30	Group Photo		
		End of Day 1		
<b>D. Issues of Strategic Relevance</b>				
D1 /45 min	Day 2 07h00	<p>ARHC implementation of the IHO Strategic Plan (SP)</p> <p>-SP Gap Analysis -the SWPRHC approach and experience.</p> <p>DOC: <a href="#">ARHC11 –D1 Proposed ARHC Way Forward on Implementation of IHO Strategic Plan</a></p>	Matt Borbash/John Nyberg	<p><b>IRCC13 Action 6:</b> RHCs and WGs to include the measurement of the SPI attributed by IRCC in their annual Work Plans (Permanent).</p>

		<i>DOC: <a href="#">SWPRHC documents</a></i>		
D2 /15	Day 2 07h45	Arctic Council – ARHC Joint Statement activities. e.g. Arctic Shipping Best Practices Information Forum 16-18 November. <i>DOC: <a href="#">ARHC11-D2 AC-ARHC Joint Statement Activities INF</a></i> <i>DOC: <a href="#">Arctic Council-ARHC Joint Statement on Hydrography in the Arctic Region (May 2021)</a></i> <i>DOC: <a href="#">Third Arctic Science Ministerial Joint Statement of Ministers (May 2021)</a></i> <i>DOC: <a href="#">Third Arctic Science Ministerial Final Report (May 2021)</a></i>	US	
D3 /15	Day 2 08h00	UN-GGIM IGIF –Hydro <i>DOC: <a href="#">ARHC11-D3 GGIM IGIF-H</a></i>	US	
D4 /20	Day 2 08h15	Discussion: Are the current WGs TOR fit for purpose? That is, will the mix and function of the WGs adequately support ARHC for the short and mid term? <i>DOC: <a href="#">ARHC Strategic Planning Working Group TOR</a></i> [Note: WG dismantled at ARHC5] <i>DOC: <a href="#">OTWG TOR</a></i> <i>DOC: <a href="#">AICCWG TOR</a></i> <i>DOC: <a href="#">ARMSDIWG TOR</a></i>	All	<b>IRCC13 Recommendation 7.</b> RHCs to consider extend the role of Charting Regional Coordinators for the implementation of the S-100 Implementation Roadmap. <b>IRCC13 Recommendation 9.</b> RHCs to coordinate the efforts on the implementation of S-100 and promote the cooperation and exchange of experiences. <b>IRCC13 Recommendation 10:</b> RHCs to apply Resolution 1/2005 in case of disasters occurred to support the affected States in their regions.
15	Day 2 08h35	Break		
		E. Other Items of Interest		
E1	Day 2	ARHC Statutes	Jonathan Justi	

/10 min	08h50	DOC: <a href="#">ARHC Statutes in Force</a> (last updated 2017) DOC: <a href="#">ARHC11-E1a Summary of ARHC Statutes Revisions</a> DOC: <a href="#">ARHC11-E1b Revised ARHC Statutes ED3.0</a>	Doug Brunt	
E2 /10	Day 2 09h00	NOAA Custom Chart DOC: <a href="#">ARHC11-E2 NOAA Custom Chart</a>	John Nyberg	
E3 /10	Day 2 09h10	USV Update from Canada DOC: <a href="#">ARHC11-E3 Uncrewed Survey Vessels CA Update</a>	Chris Marshall	
E4 /10	Day 2 09h20	Survey Technology Developments in Norway DOC: <a href="#">ARHC11-E4 Survey Technology Developments in Norway</a>	Evert Flier	
E5 /10	Day 2 09h30	Denmark's New Production System DOC: <a href="#">ARHC11-E5 DGA New Production System</a>	Jens Peter Hartmann	
E6 /10	Day 2 09h40	S-100 Production Survey DOC: <a href="#">ARHC11-E6 DGA Production Questionnaire</a>	Jens Peter Hartmann	
		F. Coda		
F1 /10 min	Day 2 09h50	Next Meeting ARHC12	Dr. Geneviève Béchard Paul Brett	
F2 /5	Day 2 10h00	Summary of Actions DOC:	Jonathan Doug	
F3 /5	Day2 10h05	Confirmation of Chair and Vice-Chair	All	
F4 /10	Day 2 10h10	Closing Remarks and Observations	Dr. Geneviève Béchard Dr. Mathias Jonas	
	10h20	Closure of Meeting	Dr. Geneviève Béchard	