



# 13th Meeting of the ARHC

## **ATCM XLV outcome**

## **Agenda Item E1**

ARHC-13, Nuuk, Greenland, Denmark  
5 – 7 September 2023

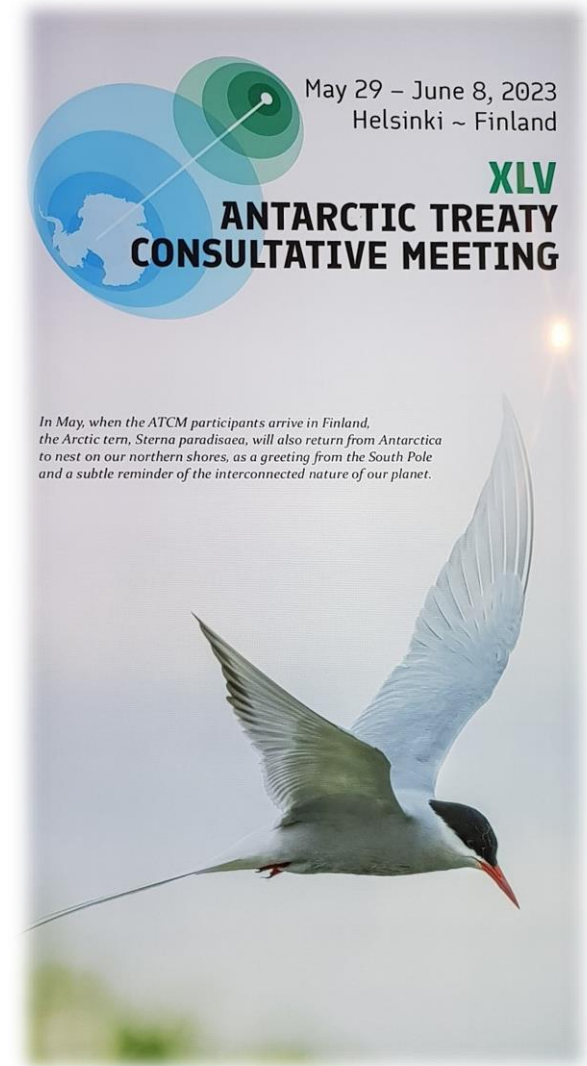


**IHO**

**ATCM XLV – HELSINKI, FINLAND, MAY 29 – JUNE 8, 2023**

International  
Hydrographic  
Organization

- **IHO Report to ATCM45 presented in plenary by HCA Secretary (main achievements and concerns)**
- **Topical Session on IMO's Polar Code**
- **Joint Plenary Session on Climate Change with participation of Senior Climate Scientist Valérie Masson-Delmotte, Co-Chair of WG1 of IPCC**





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## **IHO REPORT TO ATCM XLV (1/2)**

International  
Hydrographic  
Organization

**In both Polar Regions, due to climate change effects, new unsurveyed and uncharted large areas are becoming ice-free and therefore potentially open to navigation. The HCA requests ATCM to keep the IHO informed on their geographical priorities to map these new areas, if appropriate. New strategic performance indicators have been recently implemented by the IHO to assess the adequacy of surveys and (ENC) chart coverage over the world, Polar Regions included.**

(Excerpt 1 from IHO Report to ATCM45)



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## **IHO REPORT TO ATCM XLV (2/2)**

International  
Hydrographic  
Organization

- **New hydrographic data services using the IHO Universal Hydrographic Data Model (S-100) are under development. The IMO approved the introduction of new S-100 ECDIS from 2026 to 2029.**
- **Current sections and recommendations in the IMO Polar Code dealing with navigation in polar waters are still relevant but the introduction of new S-100 services, bringing together new modern and qualified data sets for route monitoring (and planning) aim to improve safety in particular in polar regions. Amendments to the Polar Code will be submitted by the IHO to the IMO if appropriate, once these new S-100 data services become operational.** (Excerpt 2 from IHO Report to ATCM45)
- **IHO appointed in the ATCM Multi-Year Strategic Work Plan to « *Promote enhancement of hydrographic surveying in Antarctica*” and to report periodically on progress made.**



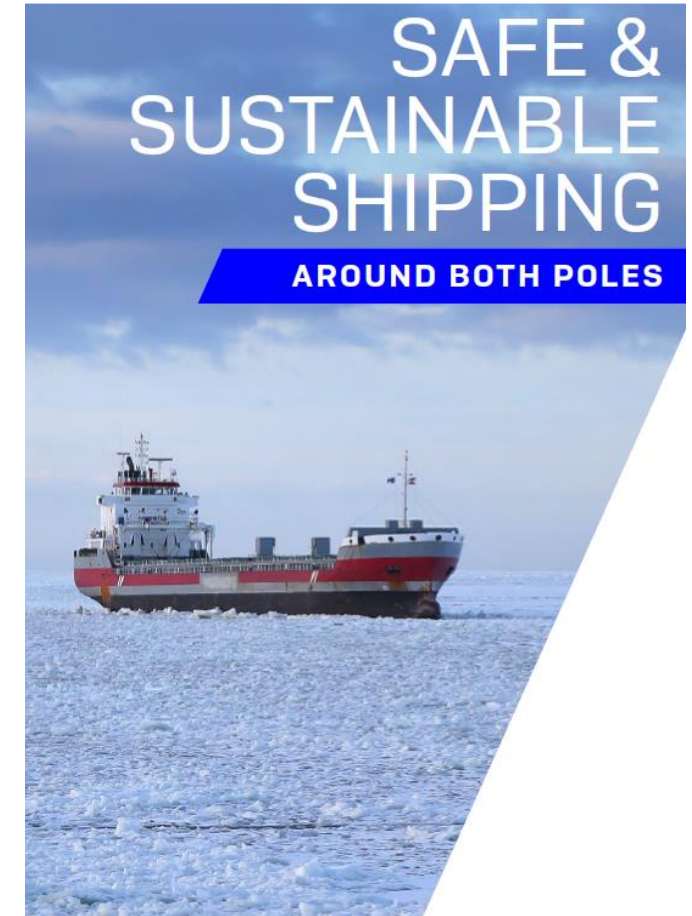
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# **ATCM45 TOPICAL SESSION IMO'S POLAR CODE**

International  
Hydrographic  
Organization

## **Goals of the session:**

- **Six years after the entry into force of Polar Code, take stock and think ahead;**
- **To ensure its harmonized implementation**
- **To review needs and possibilities to improve**
- **To facilitate common understanding of challenges and support information exchange**



**FINNISH  
GOVERNMENT**

Ministry of Transport  
and Communications



**Argentina**

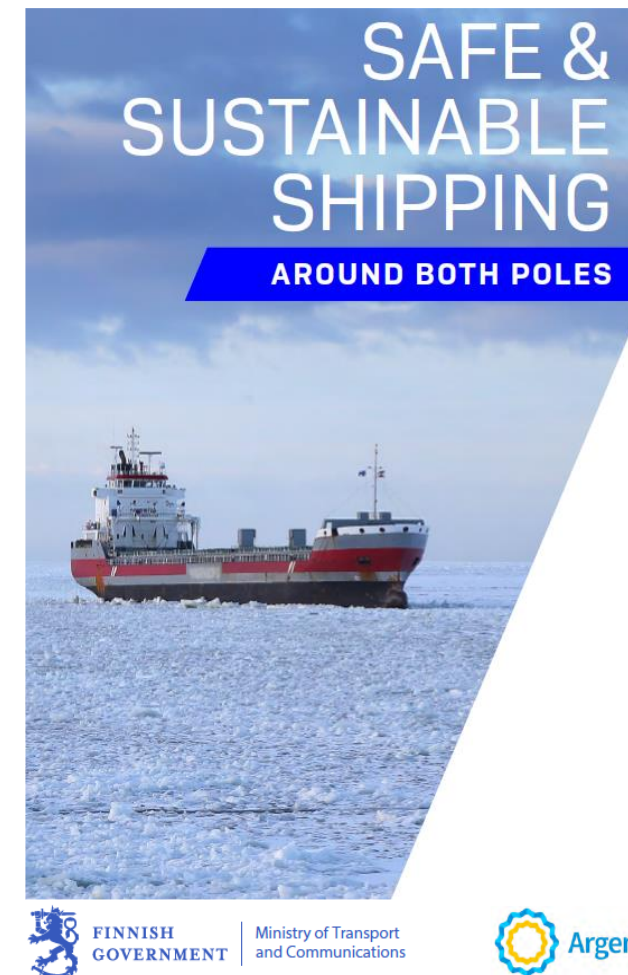


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# **TOPICAL SESSION IMO'S POLAR CODE**

## **Discussion points of relevance to ARHC and HCA:**

- **Parties discussed similarities and differences between the Arctic and the Antarctic in terms of shipping safety, navigational conditions and the environment, and reiterated the importance of sharing information and best practices. Many Parties also highlighted challenges to search and rescue operations in Antarctica;**
- **With reference to IMO Polar Code (Chap. 9, Chap. 11.3), IHO supported by IAATO introduced the new generation of S-1xx Data Services in development for 2026 and S-411, S-412 in support of voyage planning and route monitoring, adequacy of surveys and charting along Maritime Shipping Routes (in HCA), and the Chart Adequacy Assessment (in ARHC) on Arctic corridors (based on Global Maritime Traffic Density). See also IHO ARHC SPI 1.2.2**





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CLIMATE CHANGE

International  
Hydrographic  
Organization

- Helsinki Declaration on Climate Change and the Antarctic – ATCM Resolution 2 (2023) ([link](#))
  
- Mean sea level rise (Reference Actions in SCAR Report)





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## **ACTIONS TO BE CONSIDERED BY ARHC**

International  
Hydrographic  
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- **ARHC to consider whether the Standing Cautionary Notice issued by ARHC in June 2017 when the Polar Code entered into force (*Caution Required When Using Nautical Charts of Arctic Waters*) should be revised and distributed to a wider audience (IMO NCSR as INF paper?) ([link](#))**
- **ARHC to consider, in liaison HCA, if and when appropriate, proposals for amendments to the Polar Code introducing new S-100 Data Services should be submitted to the IMO.**
- **ARHC (and HCA) to consider establishing annual graphical reports (SPI 1.2.2 reporting style) on surveys and charting / data services to ATCM and PAME. ARMSDIWG to contribute?**
- **ARHC to consider monitoring actions in support of climate change effects mitigation**
- **ARHC to consider possible inputs to the new IHO Strategic Plan (climate change, new routes, ...) - to be submitted to C-9, pending decisions made at C-7 and C-8**