



# International Users of the Global Maritime Traffic Density Service

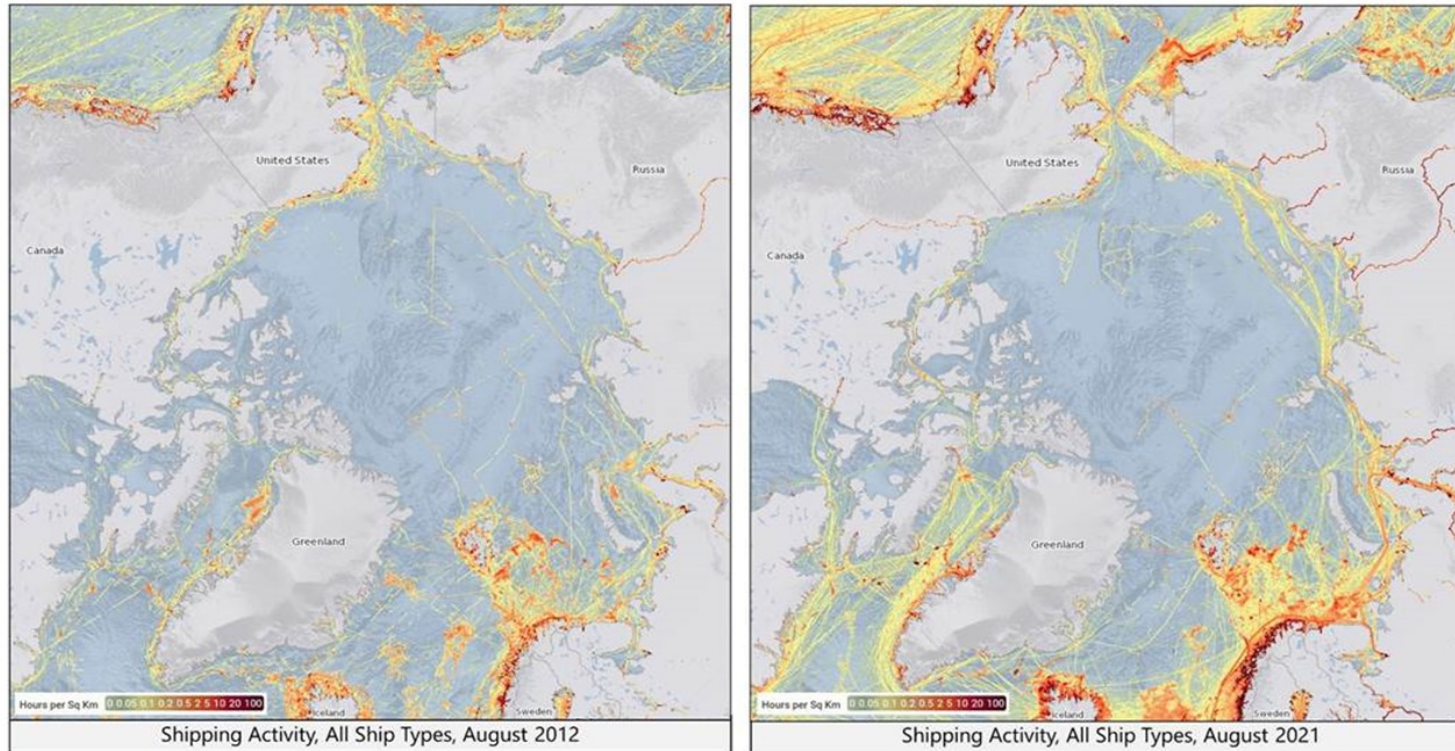
Kellen Casem - NGA

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# Public Global Maritime Traffic Density Service (GMTDS)

## Circumpolar Shipping, All Ship Types, August 2012 & August 2021

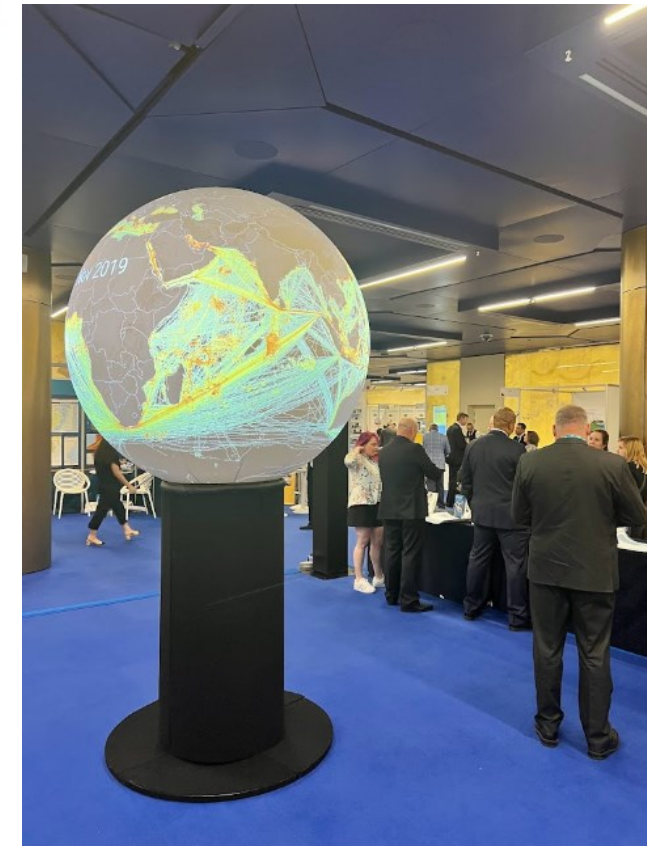


Map visualization depicts total ship hours (ShHr) of activity per square kilometer (km<sup>2</sup>), not absolute ship numbers or counts. The increase in ShHr/km<sup>2</sup>, as well as geographic distribution of ship activity, is clearly identifiable between the circumpolar map from August 2012 compared to August 2021.

(Source: MapLarge)

### Title 10 mandate:

(b) Navigation Information.—The National Geospatial-Intelligence Agency shall improve the means for safe navigation by providing, under the authority of the Secretary of Defense, accurate geospatial information for use by the departments and agencies of the United States, the merchant marine, and navigators generally.



GMTDS Displayed at International Hydrographic Organization (IHO) Assembly, Monaco, 2023

(Source: IHO)



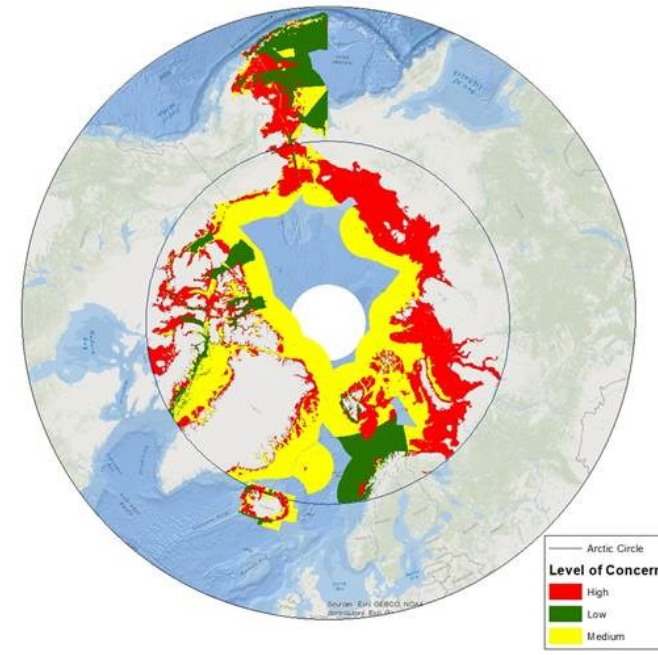
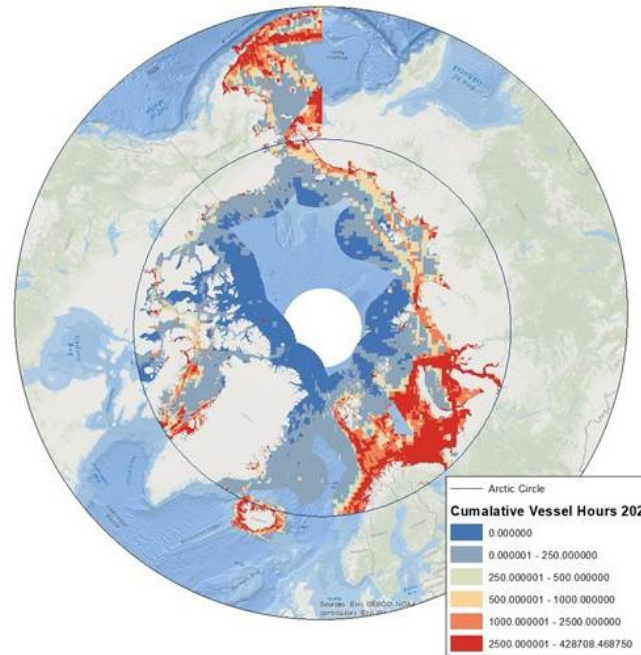
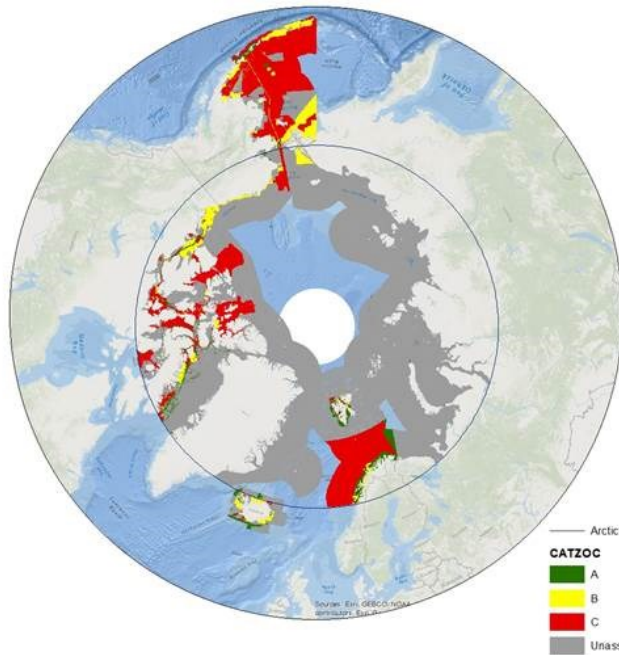
# Current International Partners



Arctic Regional Hydrographic Commission –  
CA, DK, NO, RU, US (Assoc. - FI, IS, IT, UK)



Bold above means the nation is participating in the assessment



Graphics: GMTDS values attributed to Member State Hydrography Category Zones of Confidence (CATZOC)  
(Source: Daniel Devereaux - NOAA)

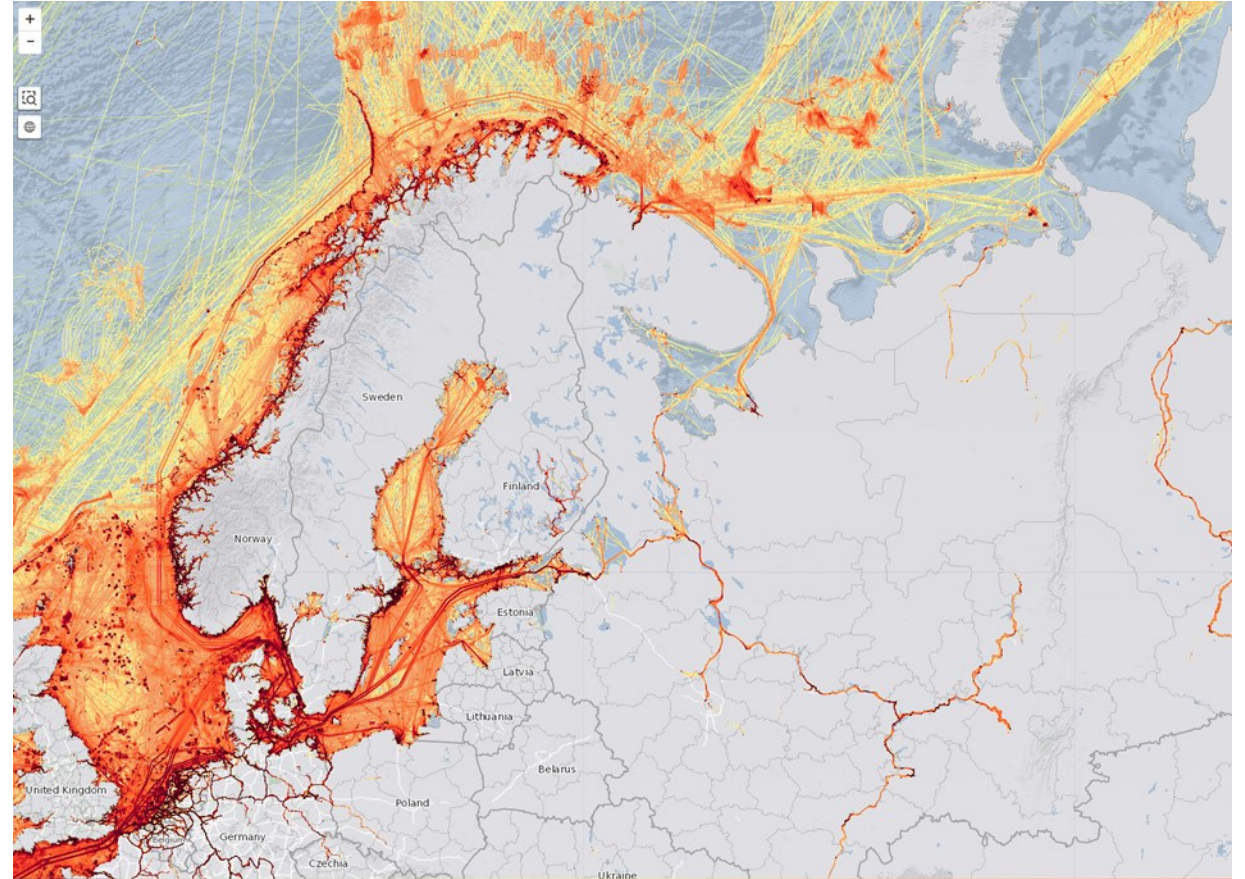


# Survey for New Potential International Partners

Do Member States of this Regional Hydrographic Commission want to participate?

Member States can specify CATZOC data management preferences – i.e., share via the IHO Portal, share only with the RHC, or share only for the assessment.

Access GMTDS maps and data here:  
<https://globalmaritimetraffic.org/>



GMTDS values for all vessels around the Baltic Sea, June 2023  
(Source: GMTDS (<https://globalmaritimetraffic.org/gmtds.html>))



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