

National initiatives on space and security



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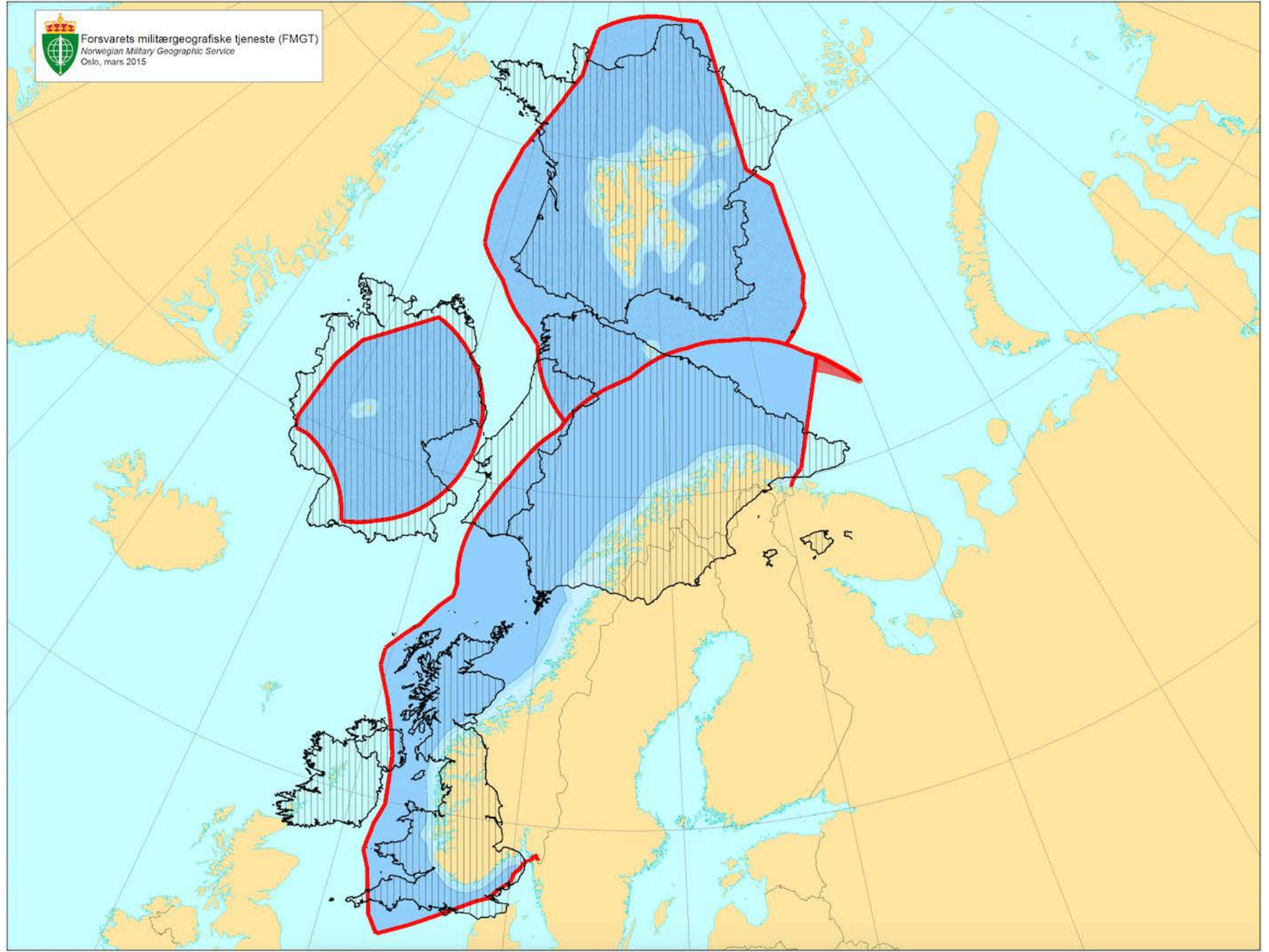
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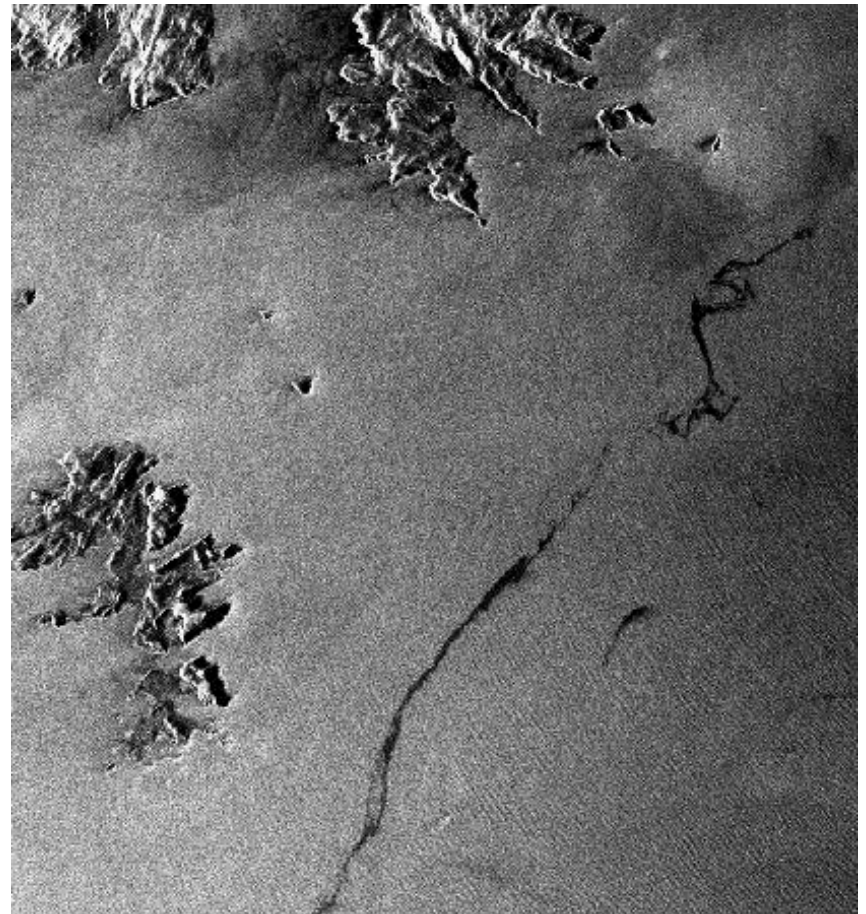
Forsvarets militærgeografiske tjeneste (FMGT)
Norwegian Military Geographic Service
Oslo, mars 2015



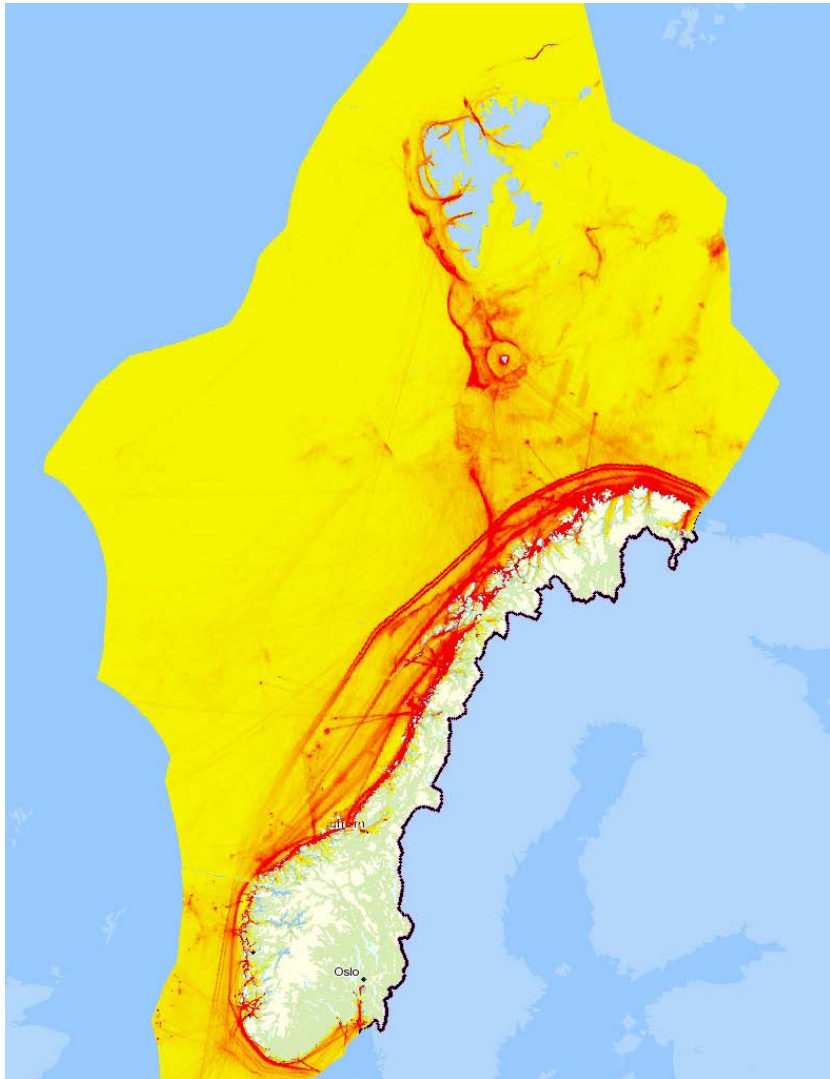
International cooperation on maritime surveillance

Vessels, ice and pollution

- › Access to radar important reason for ESA membership
 - ERS
 - ENVISAT
- › Radarsat agreement with Canada
- › Marine Environment Monitoring Service important reason for joining Copernicus

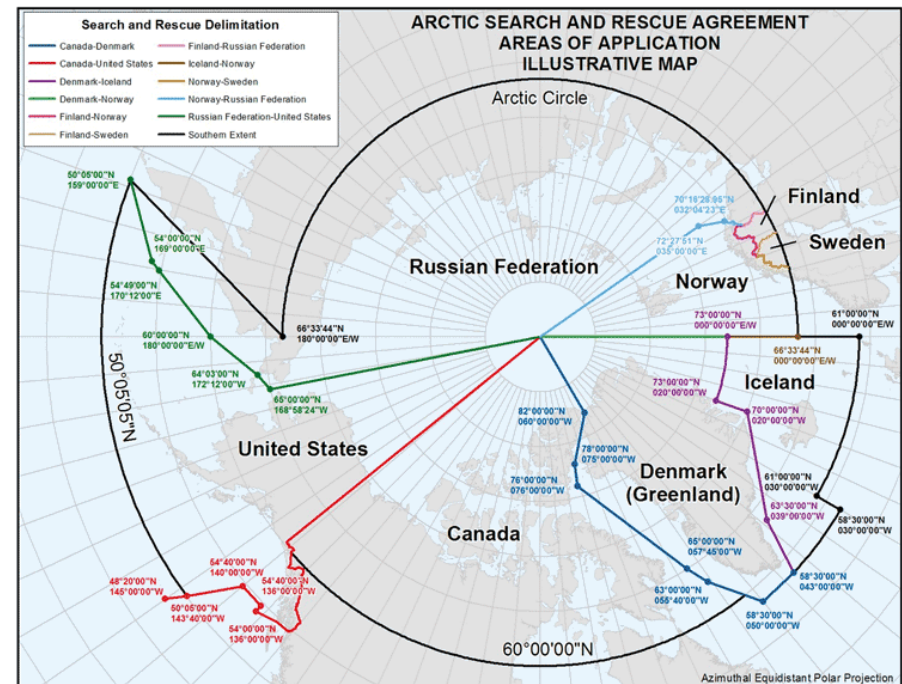


National satellites for ship monitoring



International cooperation on search & rescue

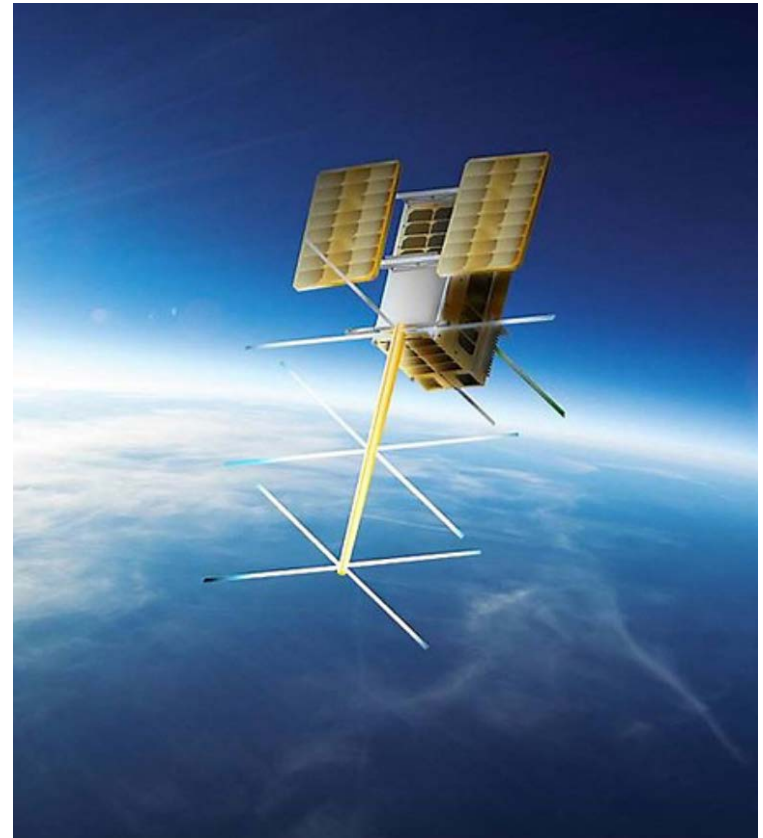
- Search & rescue responsibilities in an area up to the North Pole
- Satellites are important for search & rescue: Navigation, communication, ice & weather forecasts
- Norway one of the first members of COSPAS-SARSAT
- Galileo Search & Rescue will improve services to users



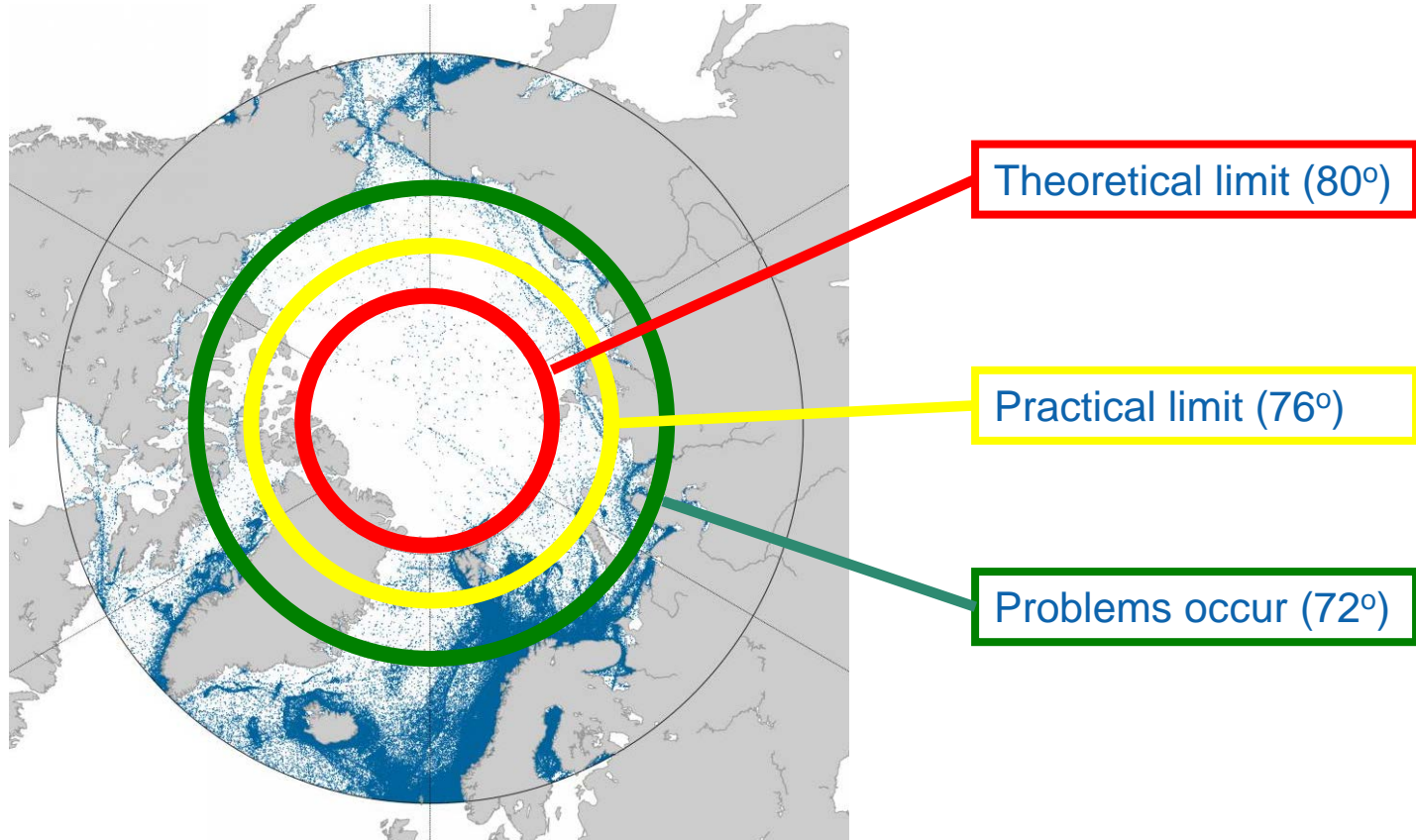
National initiative on maritime data exchange

VHF Data Exchange System

- › Two-way messaging
- › Automatic information exchange with ships
- › Weather, ice and wave forecasts
- › Search and rescue
- › On NorSat-2, launch in 2017
- › Focus on the Polar region

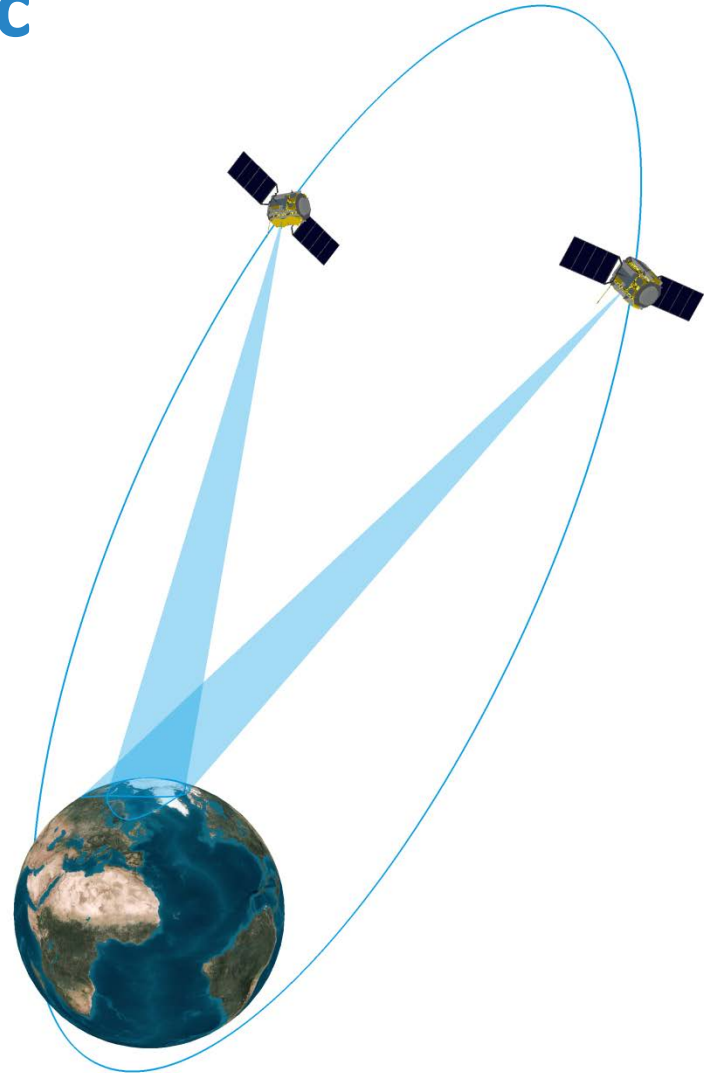


Ship traffic in areas without broadband



National satellite system for broadband in the Arctic

- › Proposal for national communication satellite system to provide broadband in the Arctic
- › Under discussion in government
- › Will provide broadband to areas north of 75°



Summary

Large areas



Little land based infrastructure



Thank you for your attention