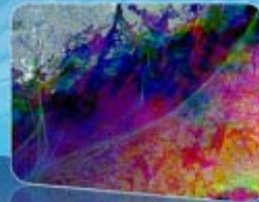


## → SPACE AND THE ARCTIC

Building on regional examples

# Session Report

## Space and the Arctic Transport & Security Session



## → SPACE AND THE ARCTIC

Building on regional examples

- Ship and icebreaker routing needs high resolution satellite data to be fully operational.
- Transfer of dedicated NRT sea ice products to ships in the Arctic and Antarctica is being provided using Iridium satellite system and new technology to compress images.
- The need for Iceberg detection and warning is likely to increase when ship traffic increase in the Arctic region. However, today satellite data is less useful for iceberg detection. There is a need to improved coverage, resolution and discrimination according to IIP.
- Ice services in the Nordic countries has joined forces to establish the European Ice Service, being more competitive and a major player for data providers and stakeholders. The North American Ice Service needed about 5 to 7 years to consolidate, hopefully it will get faster for EIS.
- Standardization of products and data is an important issue for sea ice services and their users to ease daily business.



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Building on regional examples

- The sea ice and oil spill services in the Baltic is well recognized and a good example how to prevent oil spills and economize icebreaker and ship management. Furthermore, through HELCOM convention agreement on exchange of information and common operational activities is easily shared across EEZ borders, regarding oil spill combating.
- The EMSA CSN service is indeed appreciated by Ms.
- Oil spills in sea ice is an issue and needs more research and development before operational services and combating can be reliable.
- Satellite AIS information is being provided by industry but is not fully operational in terms of geographical coverage and there maybe a lack of policy enforcing ships to carry AIS transponders.
- By making AIS data dynamically available new products can be developed as presented by KSAT.
- Communication needs and gap filling is presently an undertaking by ESA.

