Maritime monitoring
Maritime Monitoring

- International regulations affects national maritime monitoring
- AIS, LRIT, SafeSeaNet, VTS
Maritime Monitoring

• Vast areas

• Limited monitoring resources

• Increase in activity

• Challenges:
  ✓ cooperation
  ✓ exchange of information
Maritime Monitoring

• Major ongoing developments

• More information available

• Challenges:
  ✔ information management
  ✔ education
Maritime Monitoring

• Vardø VTS
  ✓ Operational
    January 2007

✓ Core mission: Monitoring Norwegian EEZ

✓ Focus on high risk vessels
AISSat-1

- Launched June 2010
- Demonstrator
- Works as planned
- Data now used by maritime agencies
- Data highly valued by users
- Two additional satellites planned
Prior to June 2010 - Shore based AIS only
AISSat-1, and shore-based AIS, combined coverage
AISSat-1 – Cruise Svalbard
**Nordic Barents** journey NSR - 2010.  
Dep. Kirkenes with 41,000t iron-concentrate 4. September 12.00hrs

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<th>Lat.</th>
<th>Long.</th>
<th>Speed</th>
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**Nordic Barents (IMO: 9079169)**

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* The data for the ship NORDIC BARENTS are received via AIS (Automatic Identification System). Vesselfinder.com does not guarantee the accuracy of the data.

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*Image of the vessel Nordic Barents*

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*Photo of the vessel Nordic Barents*
Benefits reported by important users

- **Maritime Rescue centres**
  - Quicker identification and control of oceanic rescue resources

- **Directorate of fisheries**
  - Oceanic transshipment activity
  - Enable monitoring of fishing activity outside EEC
  - Enable monitoring of foreign fishing vessels

- **Governor of Svalbard**
  - From almost no coverage to coverage of all Islands

- **Norwegian defence and coast guard**
  - Vessel monitoring in areas of pirate activity and norwegian naval activity

- **Vessel Traffic Service centres**
  - CleanSeaNet in oceanic areas
Barents Watch