



KYSTVERKET
NORWEGIAN COASTAL ADMINISTRATION

Norwegian Coastal Administration

KYSTVERKET

Arve Dimmen, director Navigation Technology and Maritime Services
Ålesund

– Clean, safe and efficient seaways



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Responsibilities and tasks

Coastal Management

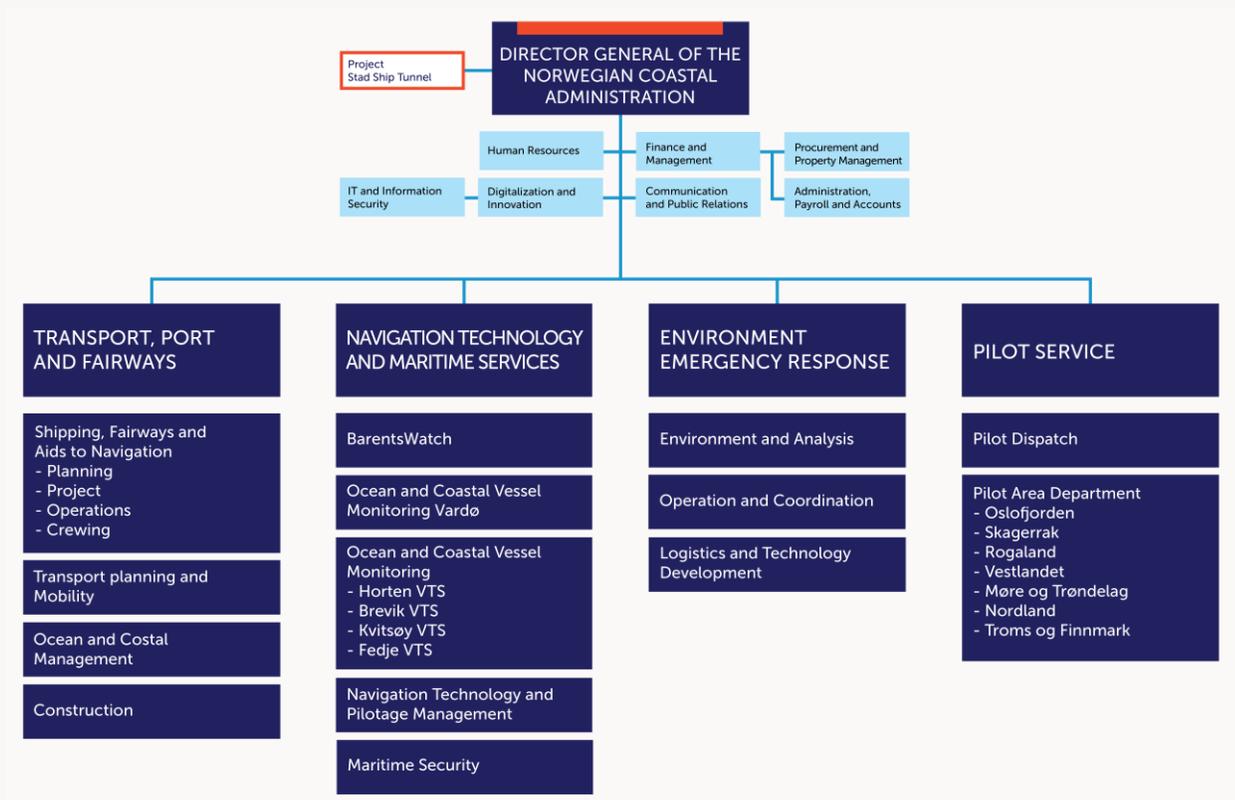
Maritime Safety

Environment
Emergency Response





Organization







Some of our activities related to Svalbard

- Reporting systems – SafeSeaNet
- Monitoring and Surveillance
- Traffic regulations
- Navigational warnings / NAVAREA XIX
- Aids to Navigation
- Pilotage / PEC authority
- Pilotage Service
- Port security - ISPS
- Emergency Pollution response



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Vardø VTS and the
“Sysseimesteren” have a separate
agreement on information exchange.

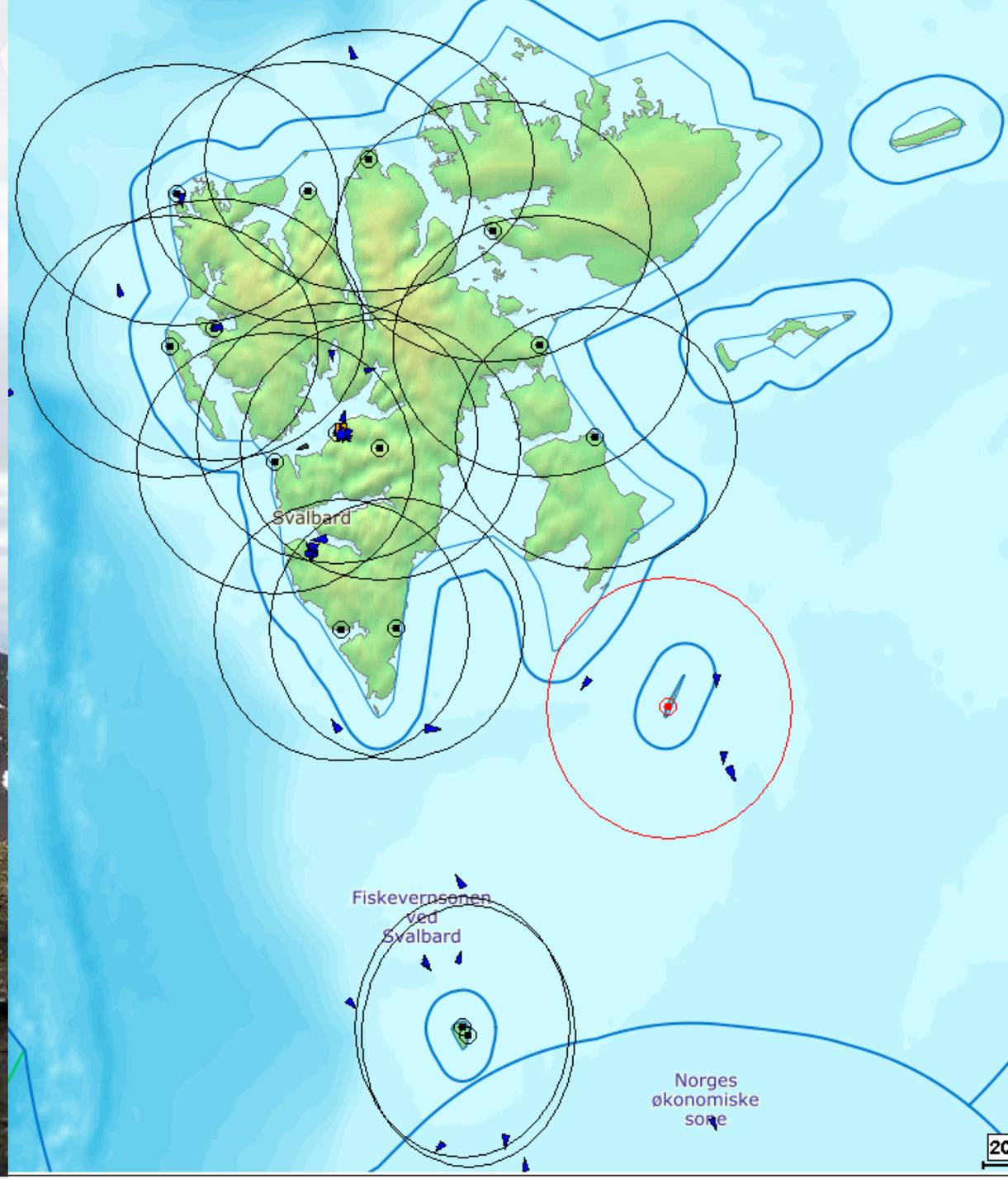
Briefly: this includes, vessels without
AIS, vessels with reported problems,
vessel data and sailing plans where
relevant, notification of pollution,
notification of ice, icebergs, monitoring,
regulations, (heavy oil ban), (violation)
STS operations, bunkering.

Vardø VTS

**Note: Report to Vardø VTS if
experiencing machine problems or
other deviations from normal sailing.**



Shore based AIS Svalbard



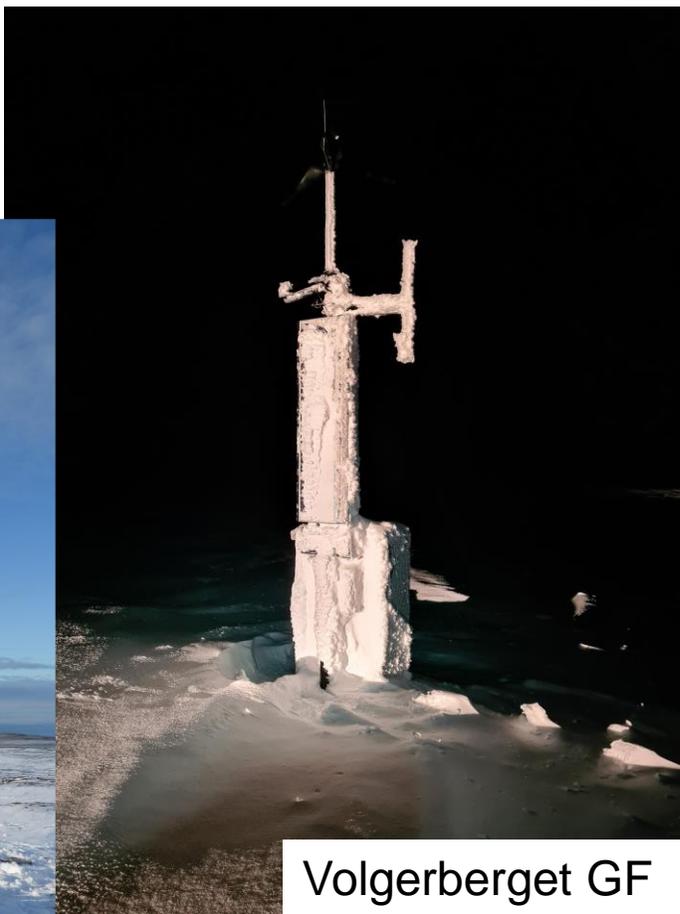
16 AIS Shore-based stations operational in Svalbard



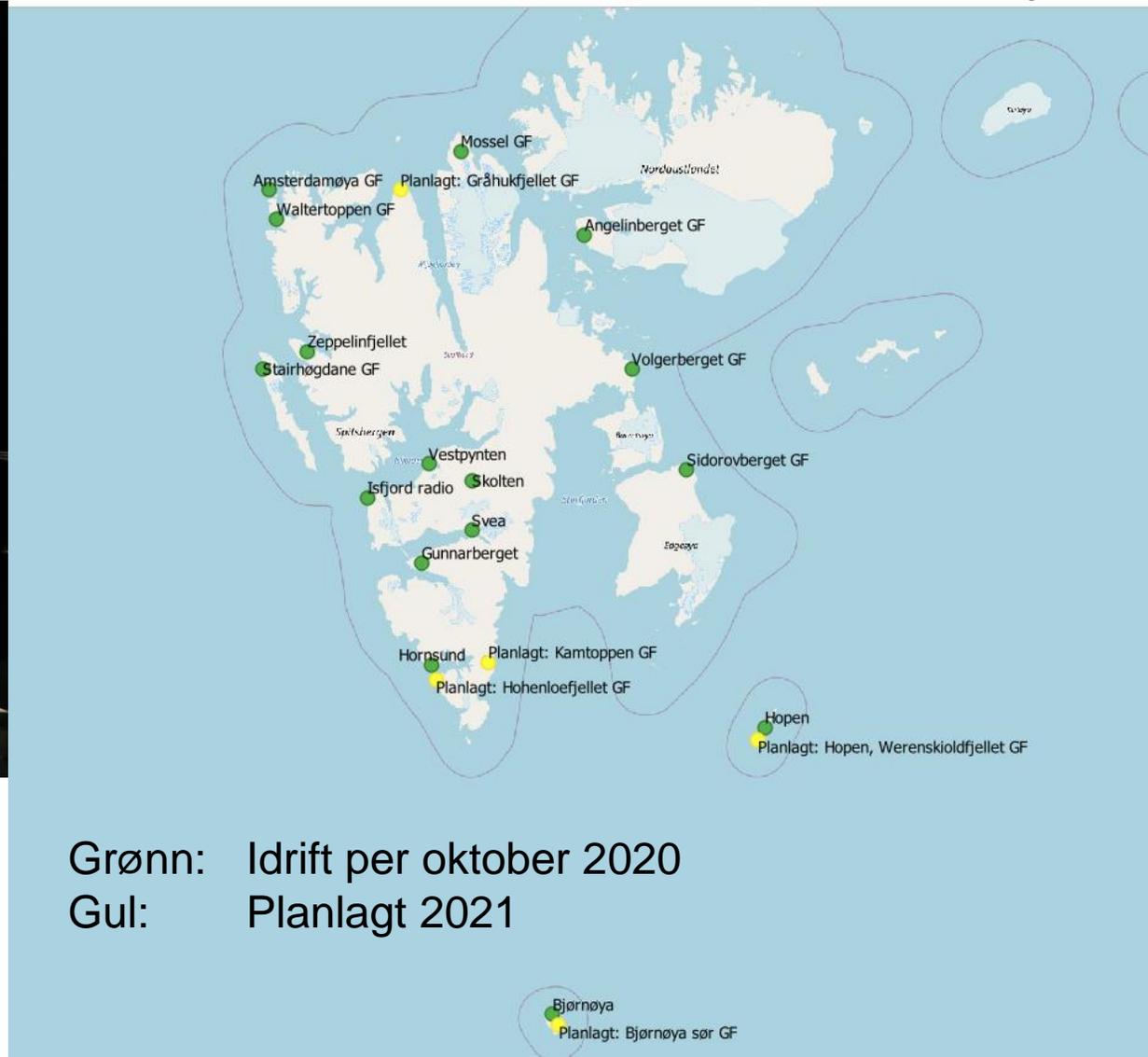
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Angelinberget GF



Volgerberget GF



Grønn: Idrift per oktober 2020

Gul: Planlagt 2021

Bjørnøya
Planlagt: Bjørnøya sør GF



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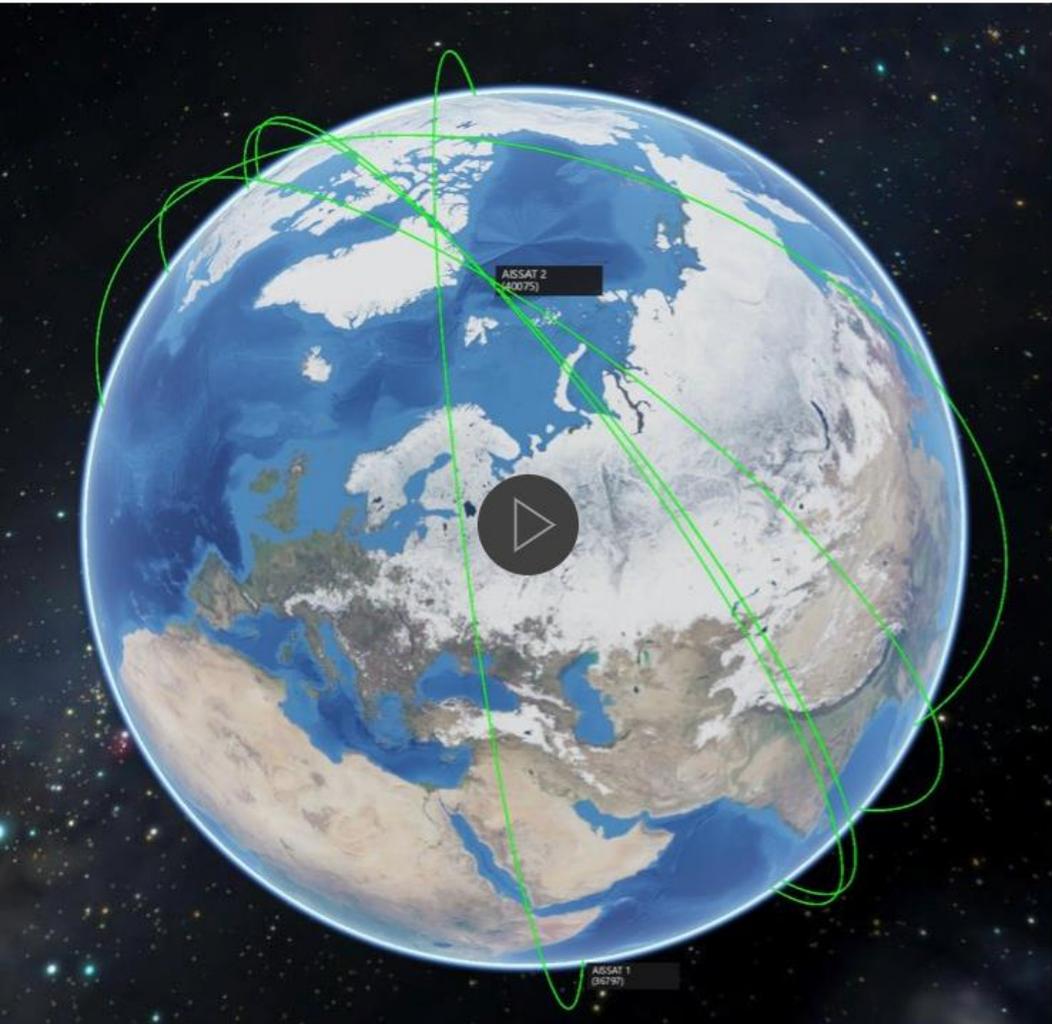
NAVAREA XIX

Daily scheduled broadcasts:

- 2 - Inmarsat SafetyNET
- 2 - Iridium SafetyCast
- 2 - HF NBDP
- 18 - NAVTEX



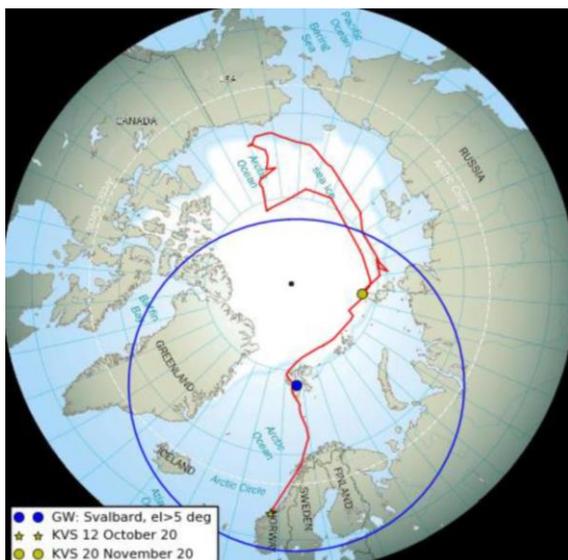
Ocean Vessel Monitoring





NORSAT-2 – VDES test payload

- Narrow band two-way future addition to AIS
- ESA, NCA, Space Norway, Kongsberg Seatex, Norwegian Coast Guard
- KV Svalbard – North Pole Voyage test:
- Wide area AIS rebroadcast service over VDES and ice charts tested



VDES Equipment

ATONs - Svalbard

Maritime lights: 16

Physical structures: 10

Cairns: 2

Racon: 2 (3)

Bouys: 4

Aerolights: 27

Planned work 2022/2023:

Light / Racon Sparreneset Hinlopen (compl 2022)

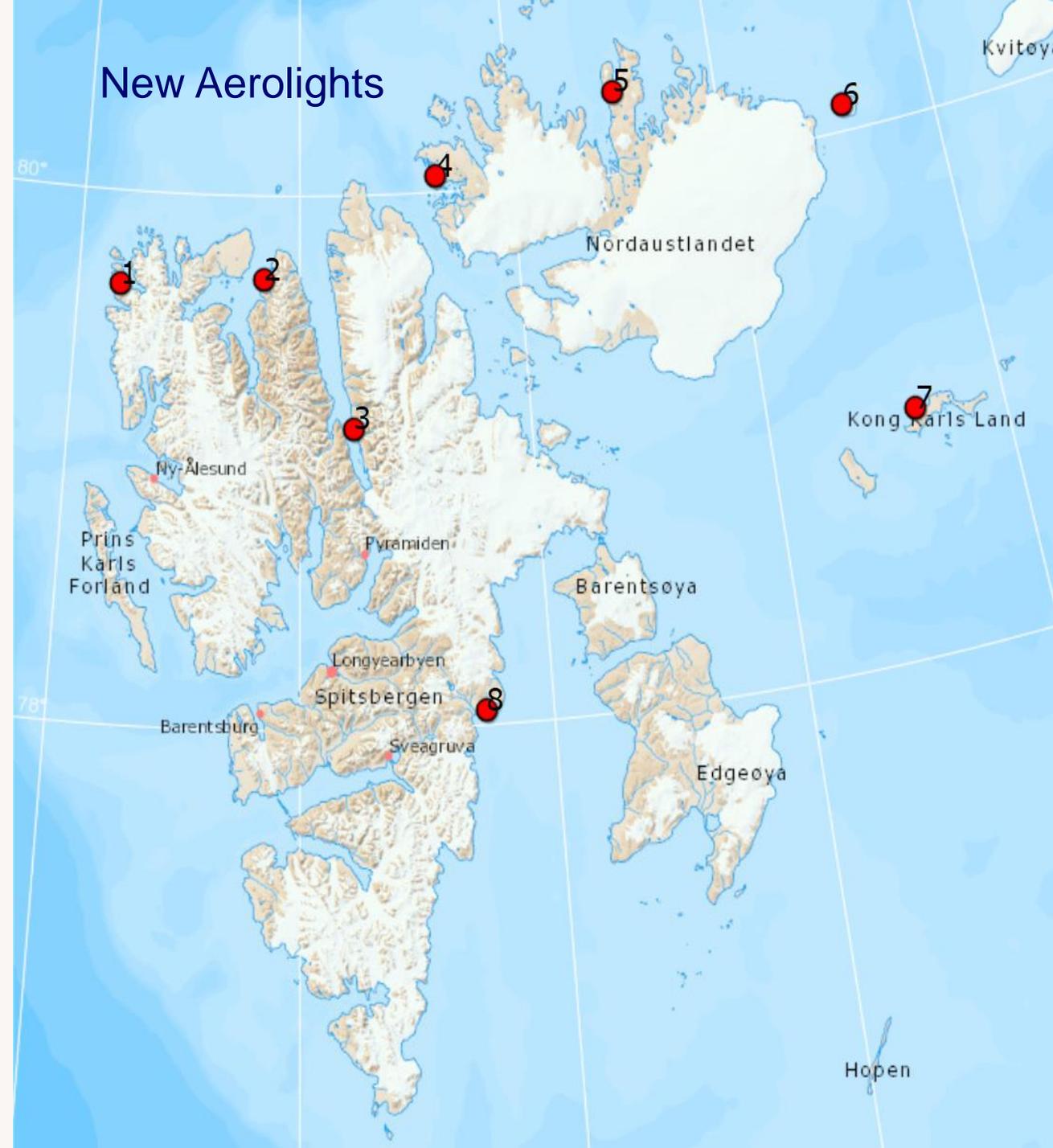
Light Sør-gattet (Mesteinane varde) (2023)

Plan new Sector Light Sør-gattet (2023)

General Sector Lights:

Change sectors to IALA standard 2024

Note: Please report if anything appears abnormal or if any of the seamarks are broken/Out of function.

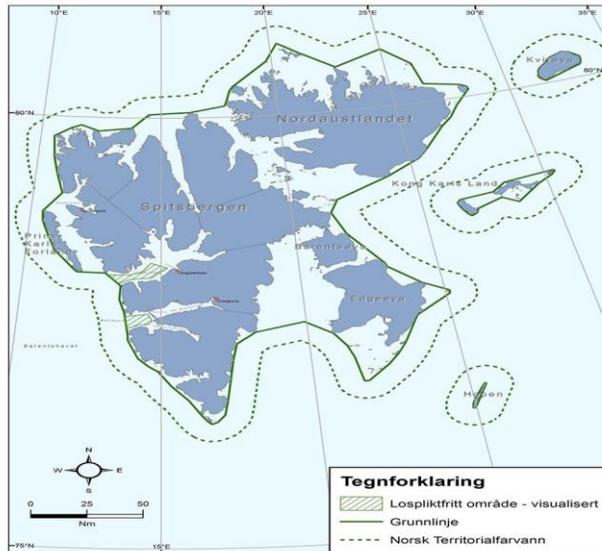




Compulsory pilotage in Svalbard

Introduced gradually through 2012-2015:

- bulk carriers of coal (2012)
- large cruise ships (2013)
- all ships above 70m/50m (passenger/hazardous) LOA, except expedition cruise (2014)
- all ships above 70m/50m within baselines = same as mainland Norway (2015)

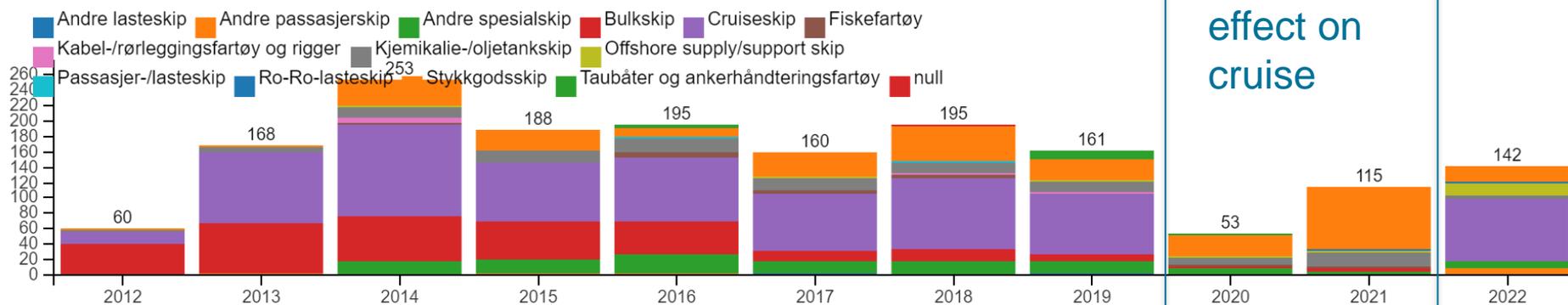


<https://www.kystverket.no/en/pilotage-service-and-pilotage-exemption-certificate/pilotage/pilotage-service-and-compulsory-pilotage-in-svalbard/>

Svalbard – pilotage and PEC

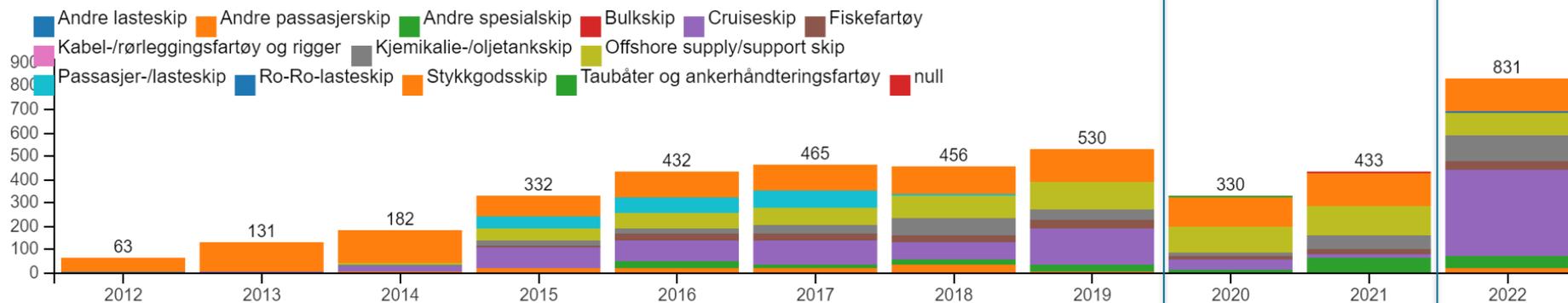


Sailings with pilot per year:



Covid-19
effect on
cruise

Sailings with PEC (pilot exemption certificate) per year:





Pilotage - Svalbard



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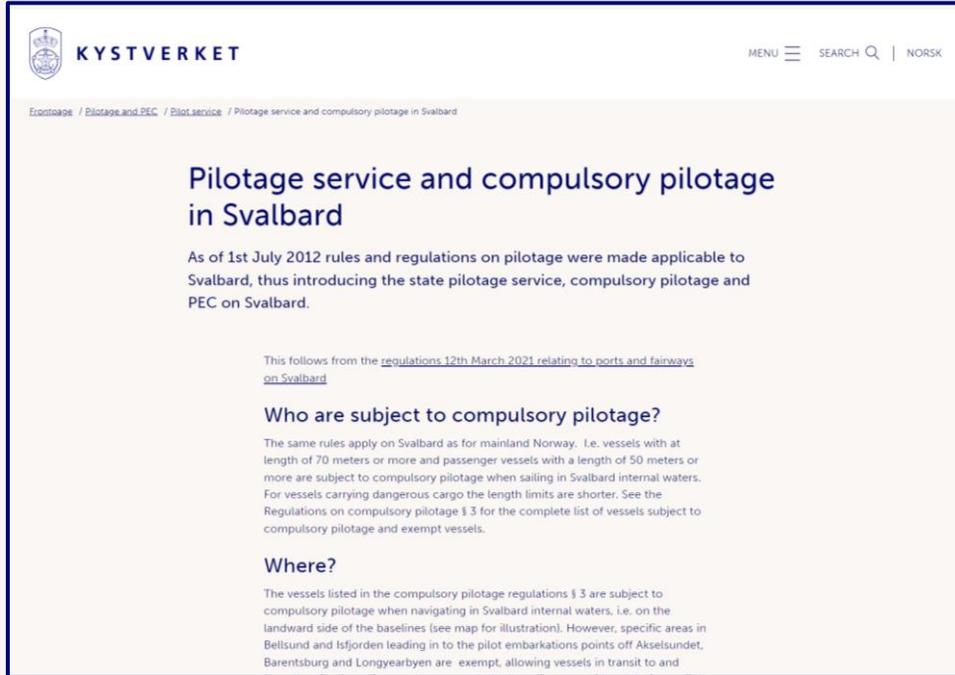
Currently 13 pilots certified at Svalbard. These are stationed at their respective stations on the shore.

In order for traffic on Svalbard and the mainland to be carried out efficiently, the pilot service asks for respect for the following:

- Order as early as possible.
- Update the order if necessary
- Update the sailing plan - must be correct
- Respect that it is necessary for the pilot service to plan the assignments several days in advance due to logistics etc.

- **NOTE:** Please ensure that the pilot order is complete, and update when necessary.

Info: Pilotage and PEC



The screenshot shows the Kystverket website page. At the top left is the Kystverket logo. At the top right are navigation links for 'MENU', 'SEARCH', and 'NORSK'. Below the navigation is a breadcrumb trail: 'Frontpage / Pilotage and PEC / Pilot service / Pilotage service and compulsory pilotage in Svalbard'. The main heading is 'Pilotage service and compulsory pilotage in Svalbard'. The text below states: 'As of 1st July 2012 rules and regulations on pilotage were made applicable to Svalbard, thus introducing the state pilotage service, compulsory pilotage and PEC on Svalbard.' There is a link to 'regulations 12th March 2021 relating to ports and fairways on Svalbard'. The page is divided into sections: 'Who are subject to compulsory pilotage?' and 'Where?'. The 'Who are subject to compulsory pilotage?' section explains that the same rules apply on Svalbard as for mainland Norway, with length requirements for vessels. The 'Where?' section explains that vessels listed in the compulsory pilotage regulations § 3 are subject to compulsory pilotage when navigating in Svalbard internal waters, with specific areas in Bellsund and Isfjorden leading to pilot embarkation points off Akseisundet, and Barentsburg and Longyearbyen being exempt.

KYSTVERKET

MENU | SEARCH | NORSK

Frontpage / Pilotage and PEC / Pilot service / Pilotage service and compulsory pilotage in Svalbard

Pilotage service and compulsory pilotage in Svalbard

As of 1st July 2012 rules and regulations on pilotage were made applicable to Svalbard, thus introducing the state pilotage service, compulsory pilotage and PEC on Svalbard.

This follows from the [regulations 12th March 2021 relating to ports and fairways on Svalbard](#)

Who are subject to compulsory pilotage?

The same rules apply on Svalbard as for mainland Norway. I.e. vessels with at length of 70 meters or more and passenger vessels with a length of 50 meters or more are subject to compulsory pilotage when sailing in Svalbard internal waters. For vessels carrying dangerous cargo the length limits are shorter. See the Regulations on compulsory pilotage § 3 for the complete list of vessels subject to compulsory pilotage and exempt vessels.

Where?

The vessels listed in the compulsory pilotage regulations § 3 are subject to compulsory pilotage when navigating in Svalbard internal waters, i.e. on the landward side of the baselines (see map for illustration). However, specific areas in Bellsund and Isfjorden leading in to the pilot embarkations points off Akseisundet, Barentsburg and Longyearbyen are exempt, allowing vessels in transit to and

<https://www.kystverket.no/en/pilotage-service-and-pilotage-exemption-certificate/pilotage/pilotage-service-and-compulsory-pilotage-in-svalbard/>



ARTICLES

SERVICES

PARTNERS

VIDEOS

ABOUT US



Wave Forecast

Wave forecast for particularly vulnerable areas and stretches along the Norwegian coast.



Fishhealth

Weekly overview including salmon lice, diseases and countermeasures down at locality level.



FishInfo

See fishing relevant map information from Norwegian authorities and download files for use in chartplotter.



NAIS

Show ship locations in Norwegian waters.



The Marine Spatial Man...



ArcticInfo



Fishery activity



Download



Polar Lows



Open data



Saltstraumen



Sustainability in aquacu...

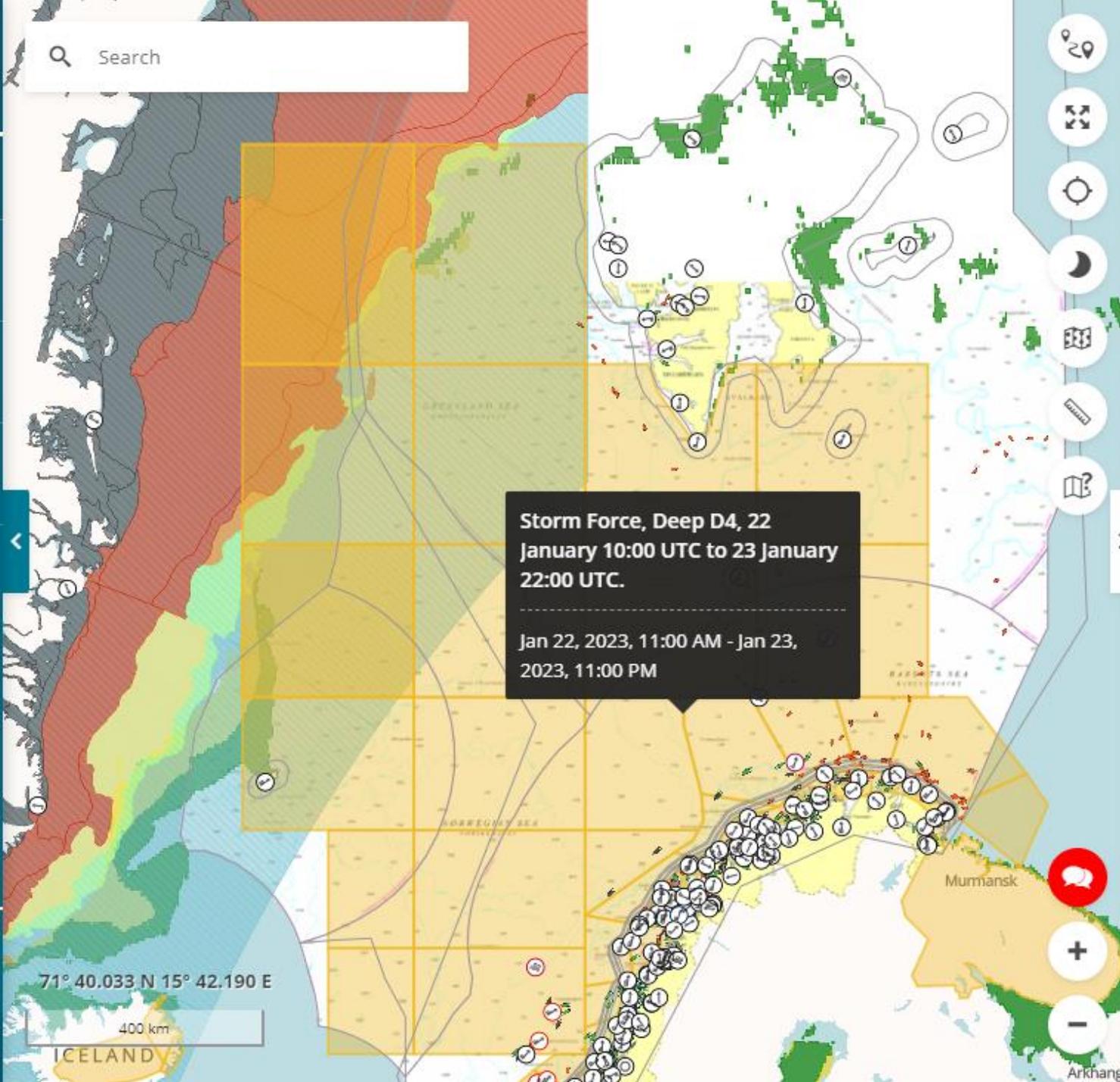


Vessels (AIS)

Area warnings (2)

Ice and weather (8)

Map (4)



ArcticInfo is a service specifically aimed at research and expedition vessels...

Through the service, the user gets information about ice and weather conditions in the area from Norway and Russia to Canada, including the North Sea

Apply for extended access

With expanded access, you can view detailed information about the Arctic. You can also connect your user account so that you can easily find your own vessels in Greenandic waters you can do several things...

To be able to apply for extended access you need to have a BarentsWatch and be logged in.

To apply for extended access you need to have a user account and be logged in.

Login Register user

My favorites

No favorites

Marinogram, ebb and flow

Login



Download digital reference routes (RTZ) directly to your **ECDIS/ navigation display on board**

routeinfo.no

Digital Sailing Routes for **mariners**

The NCA Digital Route Service offers over 600 sailing routes for the entire Norwegian coast. Get important voyage-related information at routeinfo.no.



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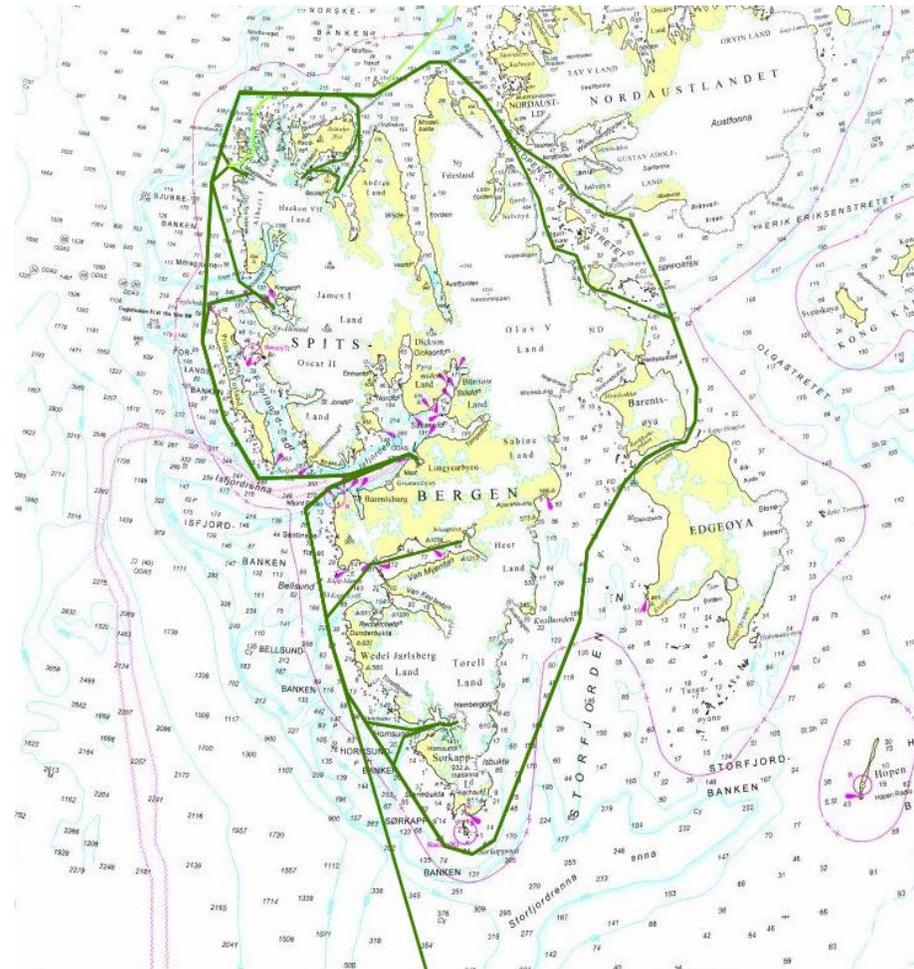
A total of 20 reference routes have been prepared for Svalbard.

A review has been made of the need for nautical surveying of the routes that were sent to the nautical charts. The Norwegian Maritime Mapping Authority has prioritized the Norwegian Coastal Administration's input and the routes have now been updated with new sea measurements of those we can publish.

Routes are quality assured for vessels up to 150 meters length and 9 meters draught, with some exceptions.



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Reference routes on Svalbard

- Additional info (to be developed):
- Info from the Sysseimester (Governor)
- Link and info on "Heavy oil" regulations (Regulations on National Park.. § 4)
- Area for max 200 pax.
- Area for "500 meters" sailing restrictions (regulation § 17)
- VHF channels where appropriate
- Link to Ice mapping
- Sewage discharge regulations / services
- Other local information



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Environmental Emergency Response

- Preparedness against acute pollution.
- Responsible for coordinating state, municipal and private emergency preparedness.
- Emergency preparedness resources.
- Shipwreck handling / monitoring.

Safe Cruise operations in Norway

- The Operators need to
 - Understand the roughness of our areas / seasons
 - Assess the risks associated with the intended operations
 - Implement relevant measures
- The Coastal Authorities need to
 - Increase guidance and information services
 - Closely monitor trends and activities
 - Implement stricter regulations where/when needed



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Thank you for your attention

www.kystverket.no