

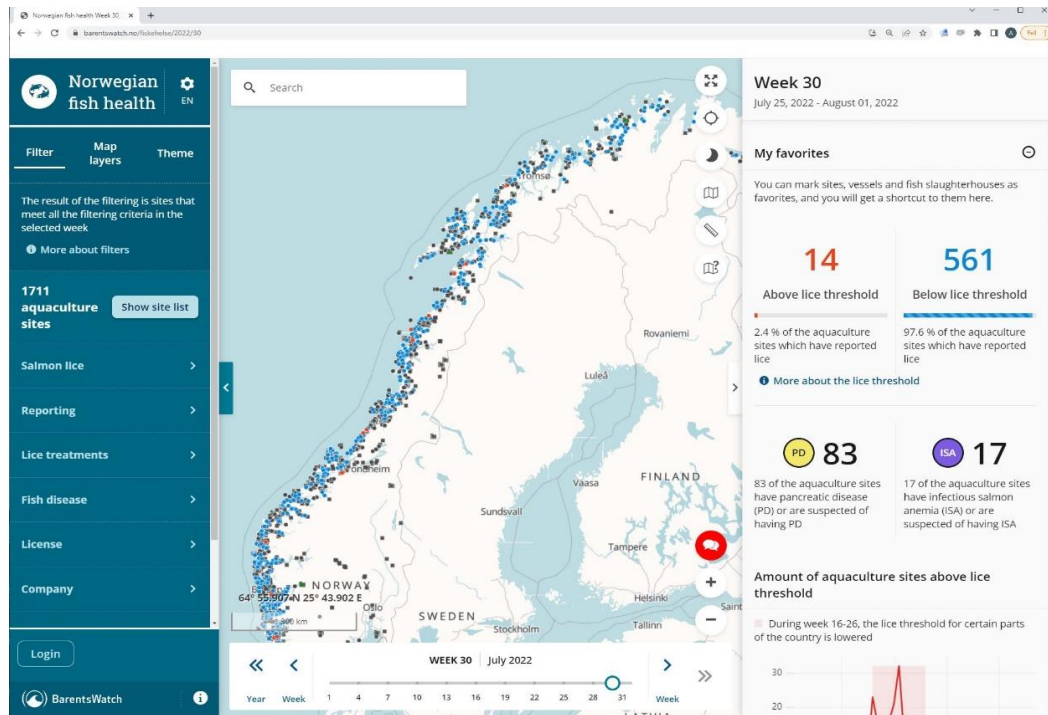


How BarentsWatch are practically used in Norway's aquaculture.
For UiT by Teams 11.04.23

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BarentsWatch Fishhealth – a tool showing fish farm status in Norway

- *Fishhealth* demo or die
- *Fishinfo* service (fisheries)
- *Fishhealth* download and data sharing through API (demo)
- Service development process
- About BarentsWatch
- Q&A



Fiskehelse demo or die

<https://www.barentswatch.no/fiskehelse/>

- Norwegian Minister of Fisheries and Ocean Policy, *Bjørnar Selnes Skjæran* wants an update before meeting the fish farm industry in Finnmark
- Mattilsynet inspector / wellboat planning checking disease status
- Municipality for business developers – new!



Open data- a tool supporting Norwegian industry

Front page > Articles > Open data via BarentsWatch

Open data via

Tags

- Value proposition: **Monetary savings for digital service developers by use of BarentsWatch data**
- 2019 indicated savings per company per year between **NOK 20 000 og 6 mill NOK** by use of BarentsWatch API
- Users from students up to companies with **> 35 billions NOK** in turnover

Published: 27. October 2016

Last updated: 13. March 2023

BarentsWatch offer self-help for registration of API:

1. Log into "My page" <https://www.barentswatch.no/minside/?lang=en>. You might need to use "REGISTRER AS A NEW USER".
2. When logged in, see section "For developers" and register "A NEW CLIENT" from "My clients". For more info please see "API access". NB! We hope you take the time to fill in "Purpose (optional)" under client

registration since this will help our development.

- All data are harvested and updated automatically by BarentsWatch
- Akvakulturregisteret (Fdir)
 - Licence, ownership, geolocation, ...
 - Updated every night at BarentsWatch
 - Reported by fish farm companies (at least monthly)
- Lice reporting (Mattilsynet)
 - Updated every night at BarentsWatch
 - Manual count reported by fish farm companies no later than Tuesday the following week: Lice count, lice countermeasures, temperature, ...
 - Public infrastructure Altinn, normally interfacing by API to production system of fish farmers
- ISA and PD notifiable viral diseases
 - Continues reported by fish farm companies / veterinary services
 - Updated every 15 minutes at BarentsWatch
- And more...

Week 13
March 27, 2023 - April 03, 2023

Cleaner fish

From the 19th of April 2018 cleaner fish data is no longer displayed due to transition to new reporting. [Read more on lovdata.no \(Norwegian\)](#)

Downloads

Excel
Select time period and download data on aquaculture sites.

- ↓ Salmon lice
- ↓ Fish disease
- ↓ Lice treatments

For chart plotters
Some datasets are available for chart plotters. Remember to keep your chart plotter updated with the most recent information.

↓ Downloads

Data sources

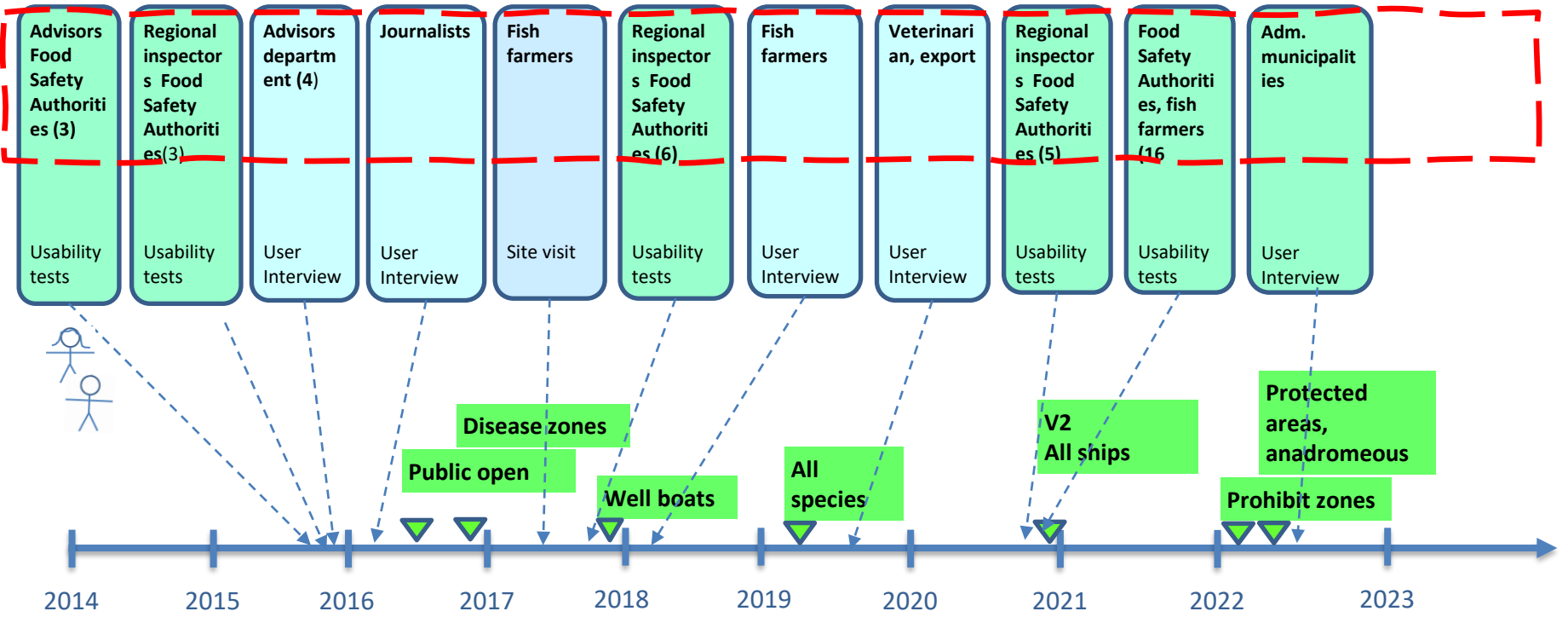
Outlets for anadromous rivers
Data source: The Directorate of Fisheries and the Norwegian Environment Agency
Latest update: April 05, 2023, 07:47 AM

Aqua culture sites
Data source: The Directorate of Fisheries, Norwegian Food Safety Authority and Norwegian Veterinary Institute
Latest update: April 06, 2023, 02:05 AM

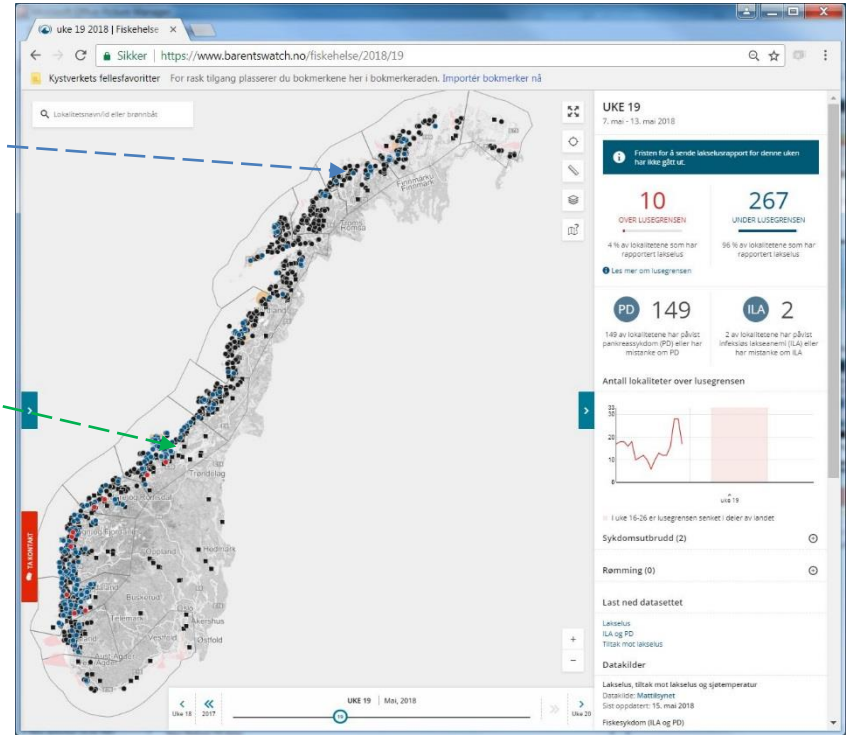
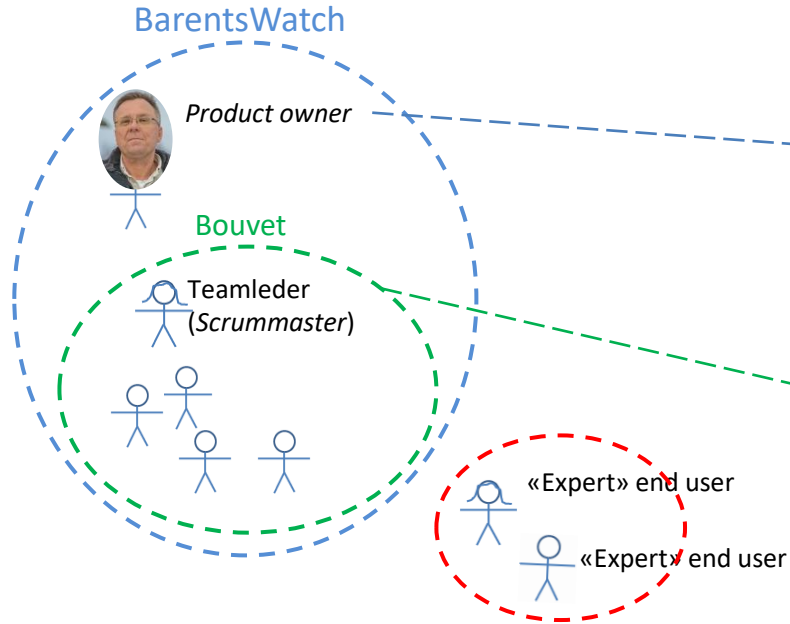
Cod spawning grounds
Data source: [The Directorate of Fisheries](#)
Latest update: February 01, 2023, 11:13 AM

Depth curves
Data source: [The Norwegian Mapping Authority](#)
Latest update: April 04, 2023, 04:22 AM

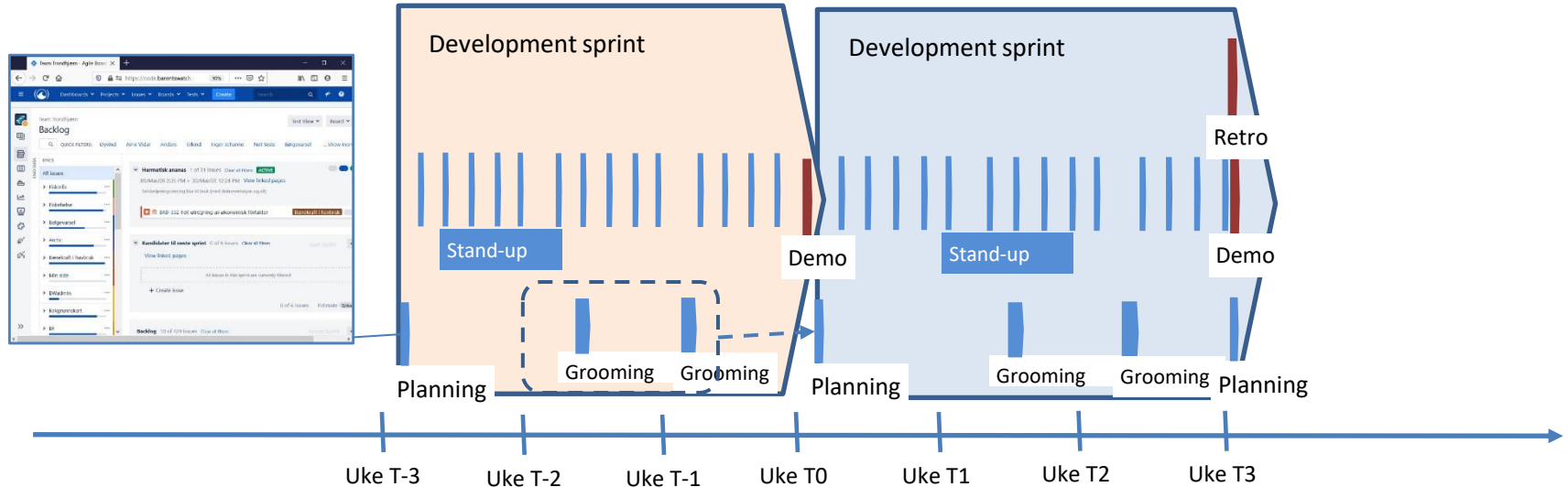
Fishhealth developed through end user groups



Team



Scrum (smidig) development



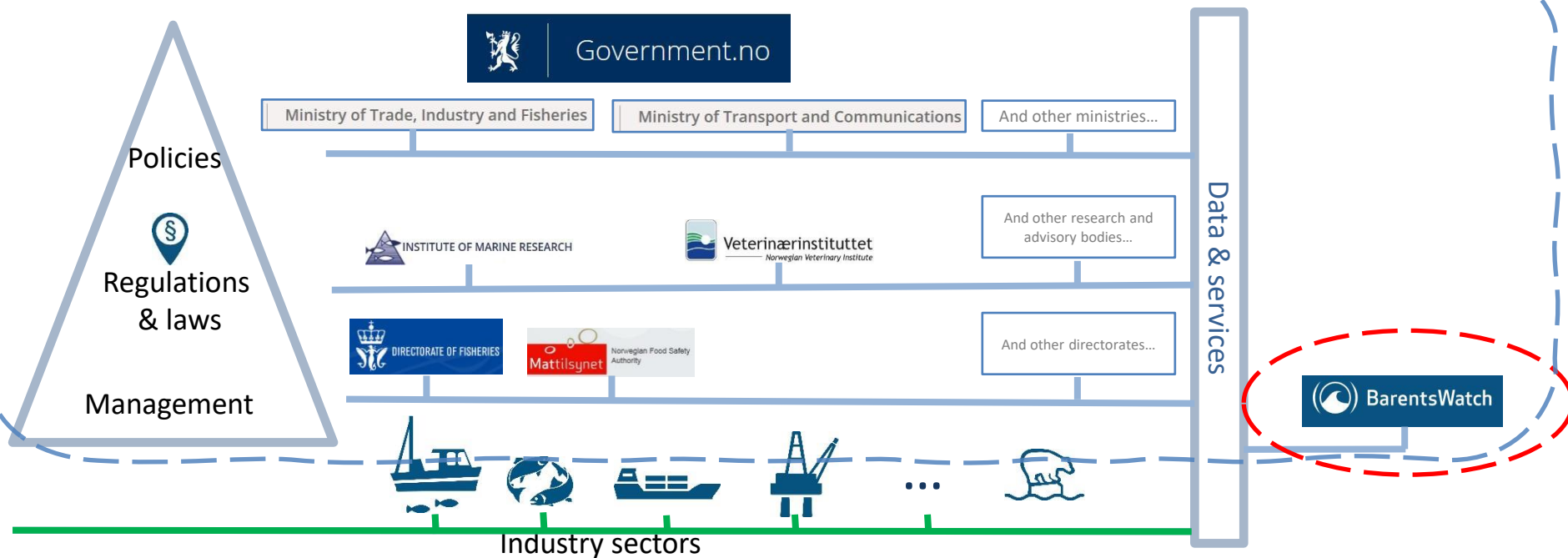
Industry and governance

Governance

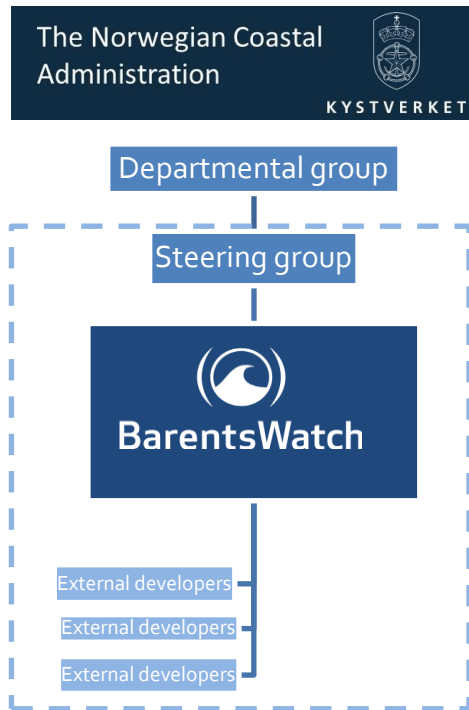


BarentsWatch sharing data

Governance



BarentsWatch collecting and sharing data related to sea



- The Norwegian Coastal Administration is the host (Ministry of Transport and Communications)
- Launched in 2012 as a (political) project
- Directly financed through the national budget
- 11 employees
- 35 external developers
- 2022 budget aprox 50 million NOK
- Office premises in Tromsø, Norway



A large school of small, colorful fish, possibly damselfish, swimming in clear water. The fish are densely packed, with many showing iridescent blue, green, and yellow hues. The background is a soft, out-of-focus green, suggesting an underwater environment with vegetation.

Thank you for your attention!
Questions?