



**Baltic
LINES**
Coherent Linear Infrastructures
in Baltic Maritime Spatial Plans

**Accessing up-to-date
MSP data? WHY?**

Manuel Frias
HELCOM-VASAB MSP WG meeting
Riga, 14 November 2016

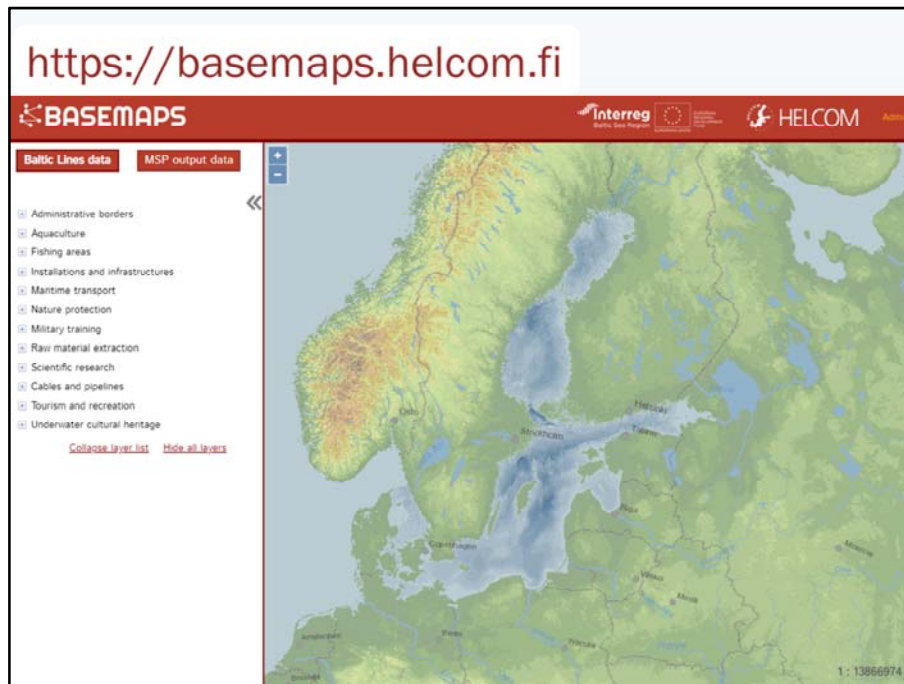


interreg
Baltic Sea Region



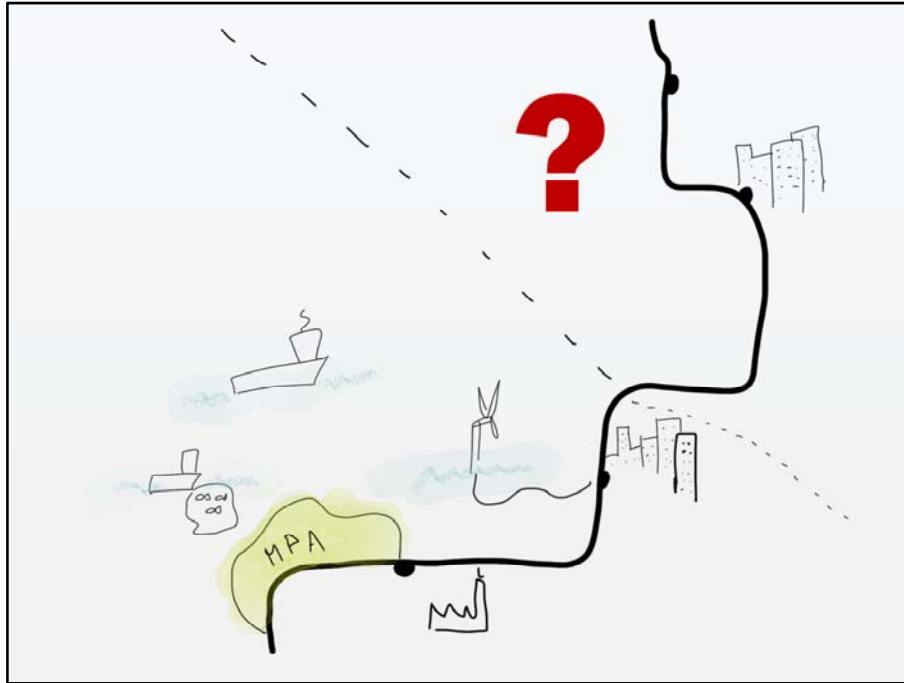


One of the outputs of the Baltic LINES project will be the first Baltic Marine Spatial Data Infrastructure prototype



The Baltic MSDI is called BASEMAPS (Baltic SEa MAP Service) for friends. It's still under development but already available.

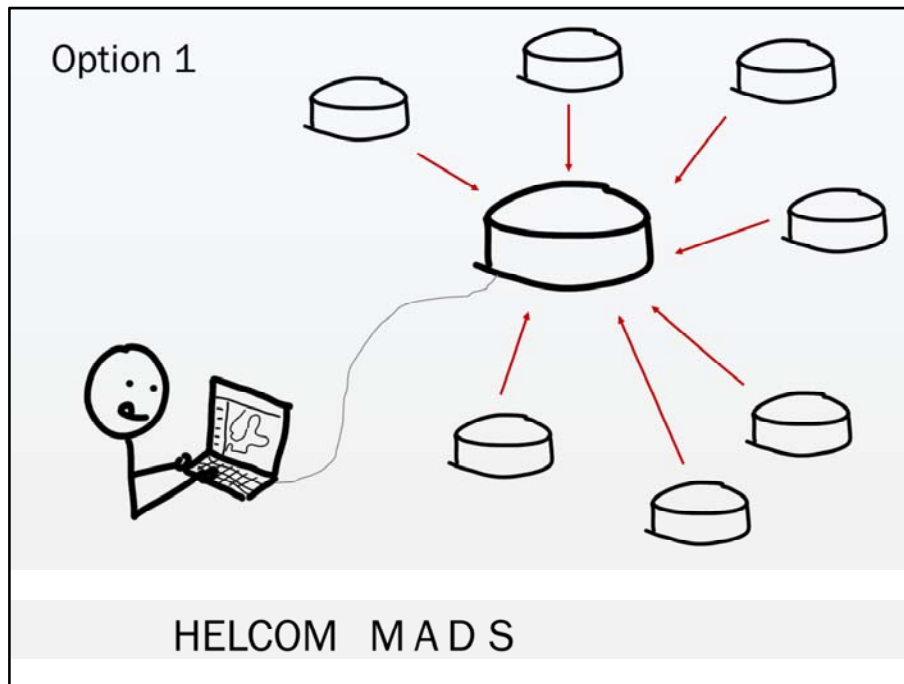
BASEMAPS shows data that is stored at the original source



Why are we doing it?

MSP planners usually have easy access to the data of their country. However, finding data from neighbouring countries is more difficult.

A planner has two options...



A centralized system is what nowadays works best. In such a system data owners send data to a central database.

But this has a problem: data gets outdated relatively easily because data is not sent everyday.

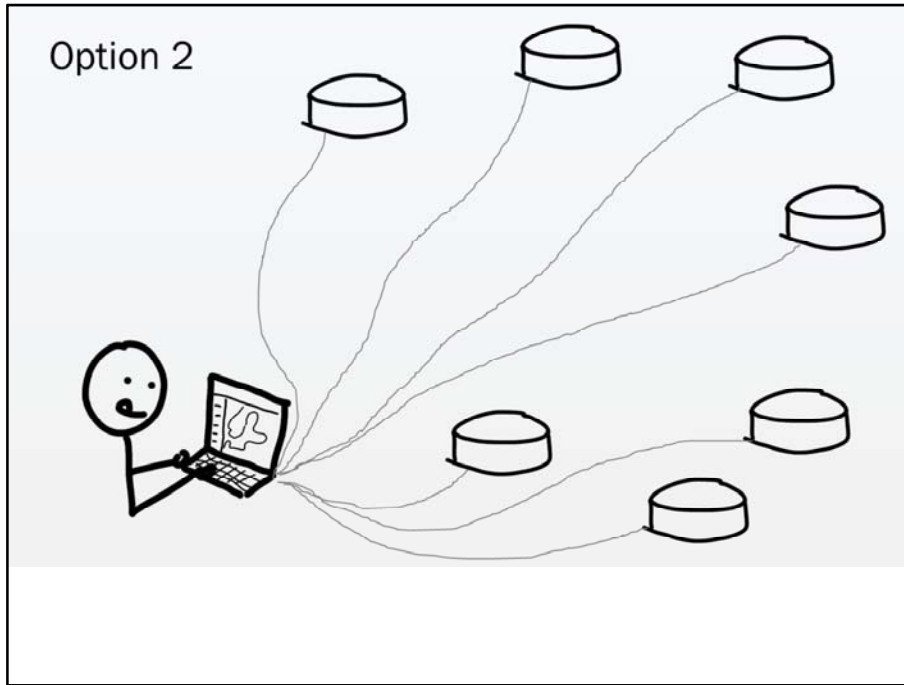
What can a solution to this problem be?

HELCOM is an example.

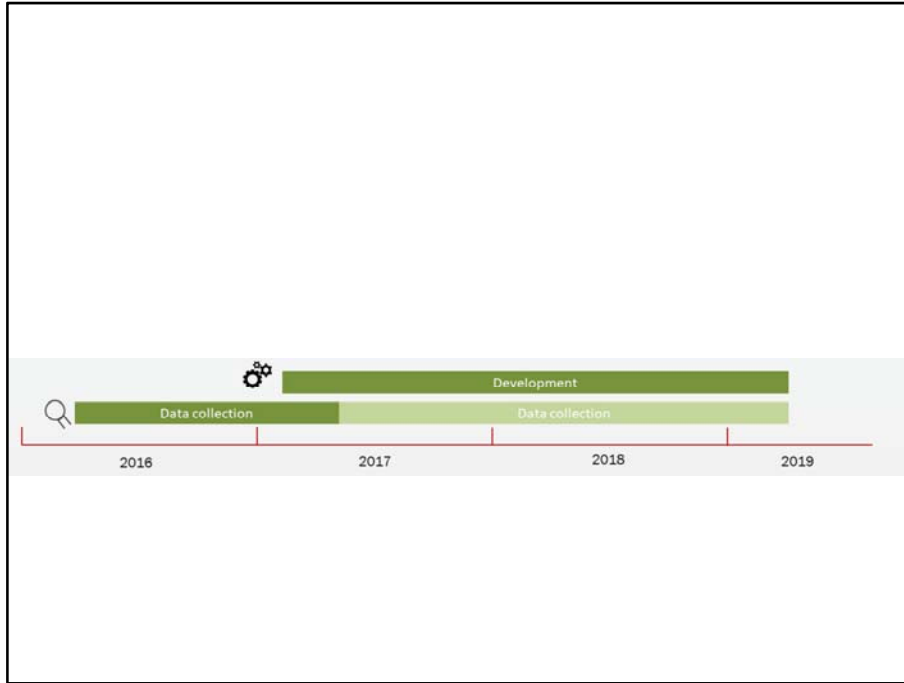
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But this has a problem: data gets outdated relatively easily because data is not sent everyday.

What can a solution to this problem be?



A solution can be option 2. This is a decentralized system where data is accessed from the original source.



How have we done it?

First we have collected the services and then we started the development. The collection of the services started actually before under the HELCOM-VASAB Data Expert Subgroup

Main challenges

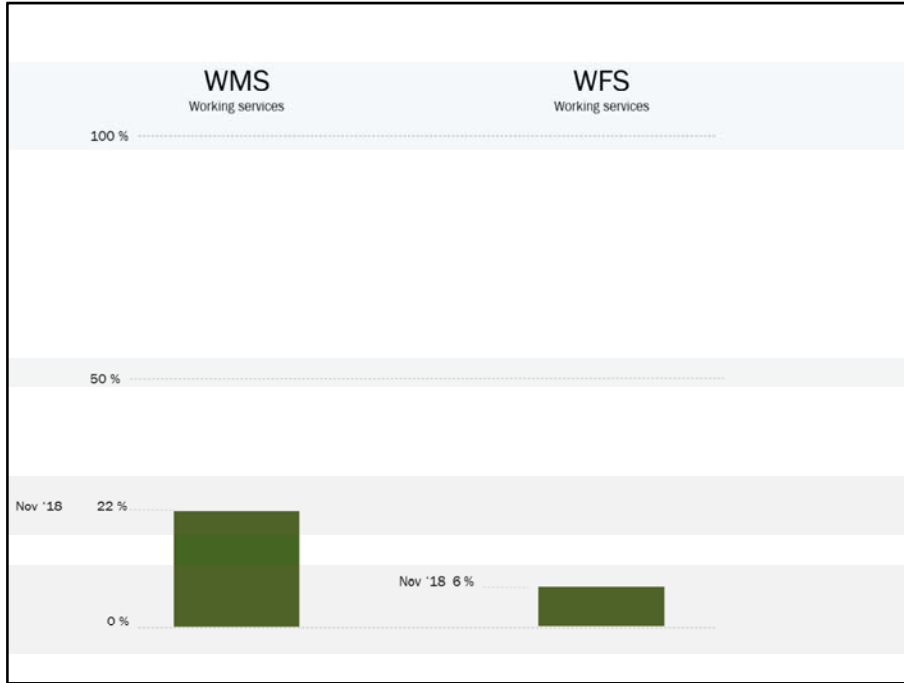
Where is the data?



We need data in standard format. Luckily, the Open Geospatial Consortium has developed specifications for WMS (for delivering georeferenced images) and WFS (for delivering data).

We are also following the development of the INSPIRE directive. All EU countries must comply with it.

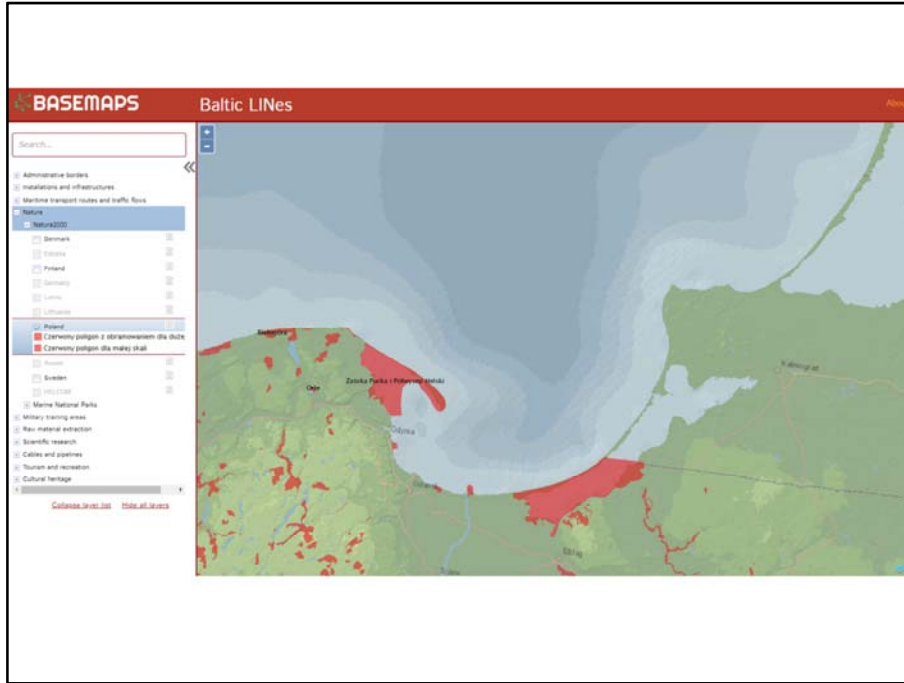
INSPIRE is extending the OGC standards.



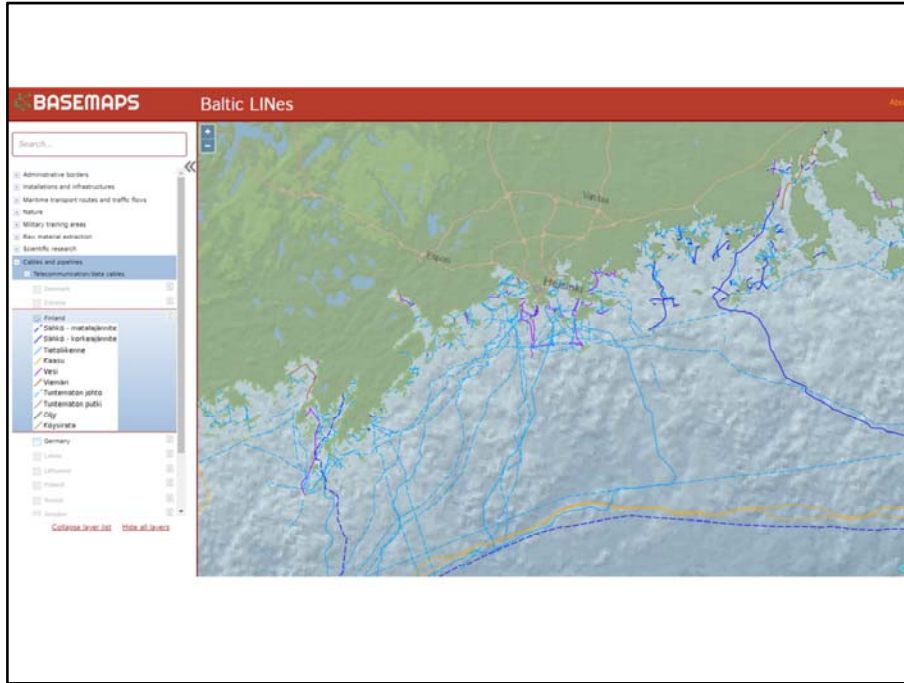
However, there is still a lot of data missing

How many **languages**
do you speak?

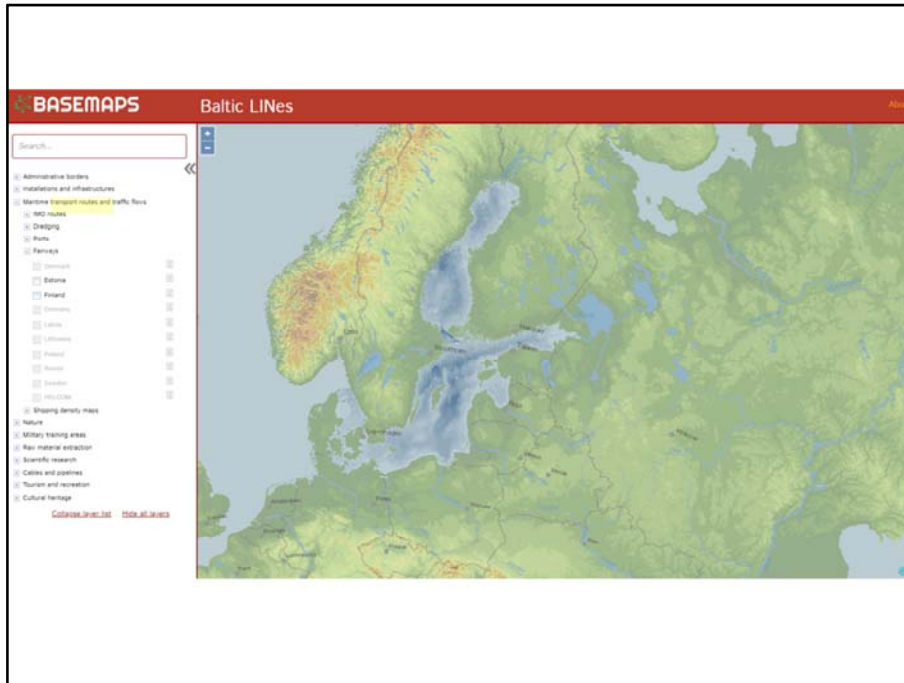
Lack of data is not the only problem. Harmonization of datasets is another one: many datasets are published in their original languages.



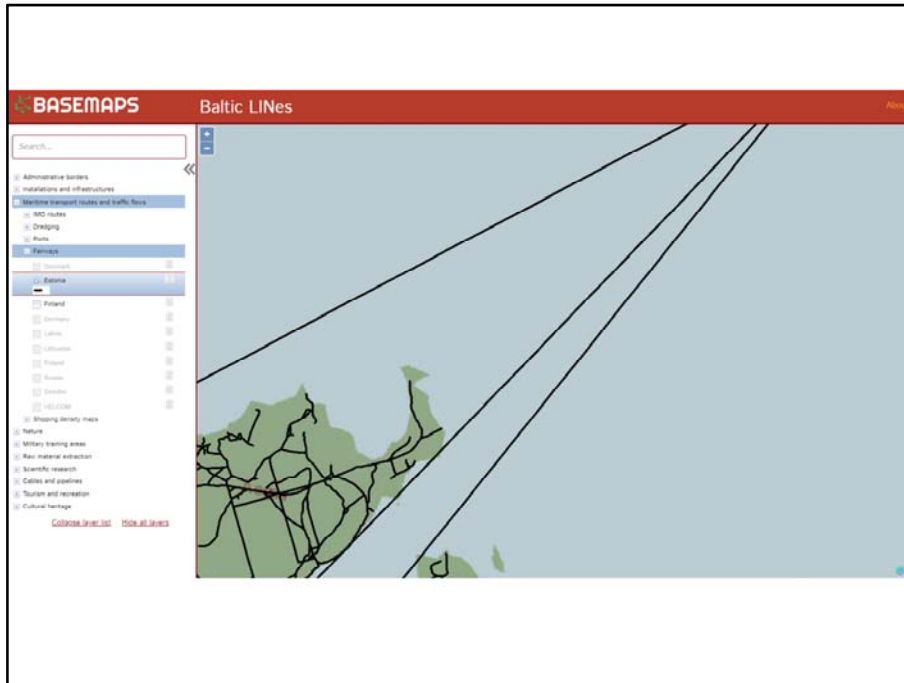
Anyone speaks Polish?



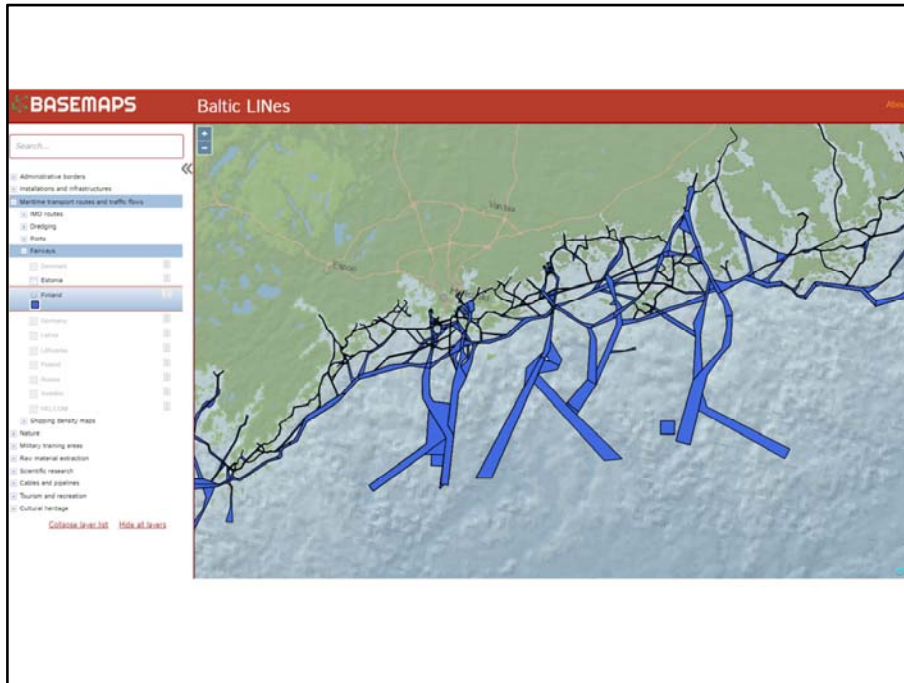
Anyone speaks Finnish?



There are also differences in geometry.

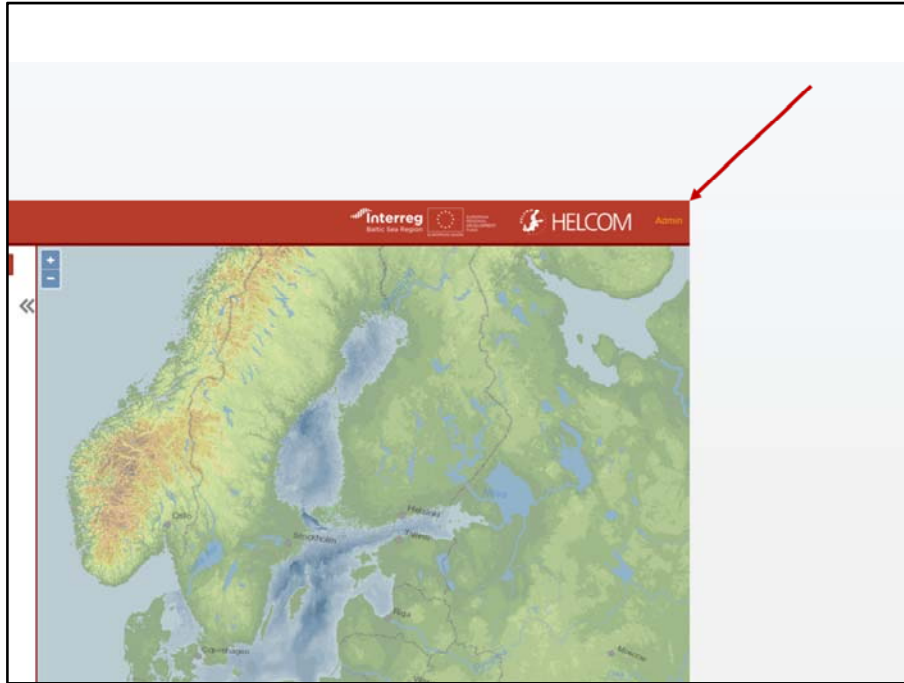


Estonia represents the fairways with polylines...



...whereas Finland represents them with polygons.

The future...



To add services is an easy task. We built an admin panel so that data providers can add and edit their own services.



Lead
partner



Partners

