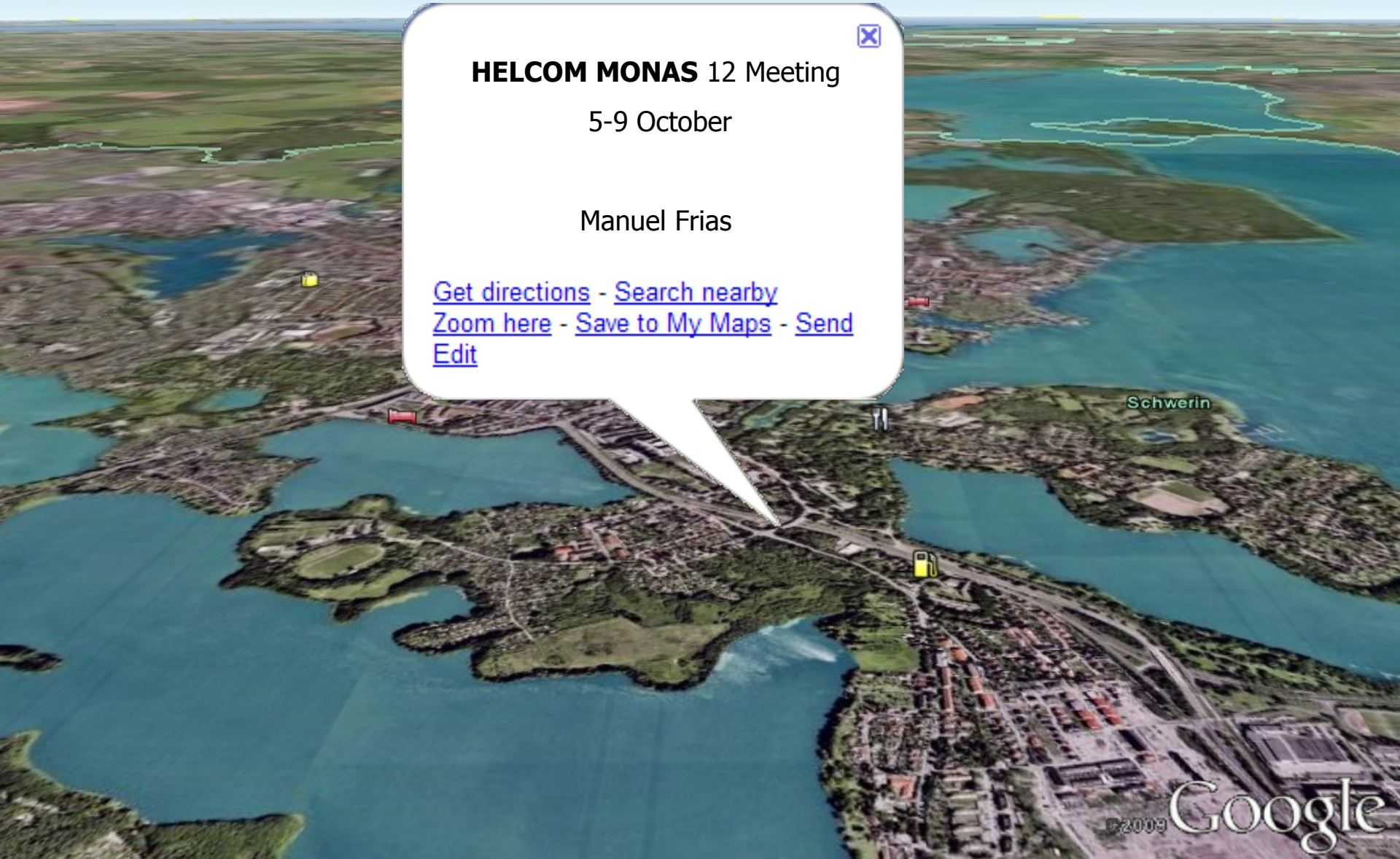
HELCOM GIS and Data Project



WHAT is the HELCOM GIS and Data project?

DATA AND INFORMATION STRATEGY

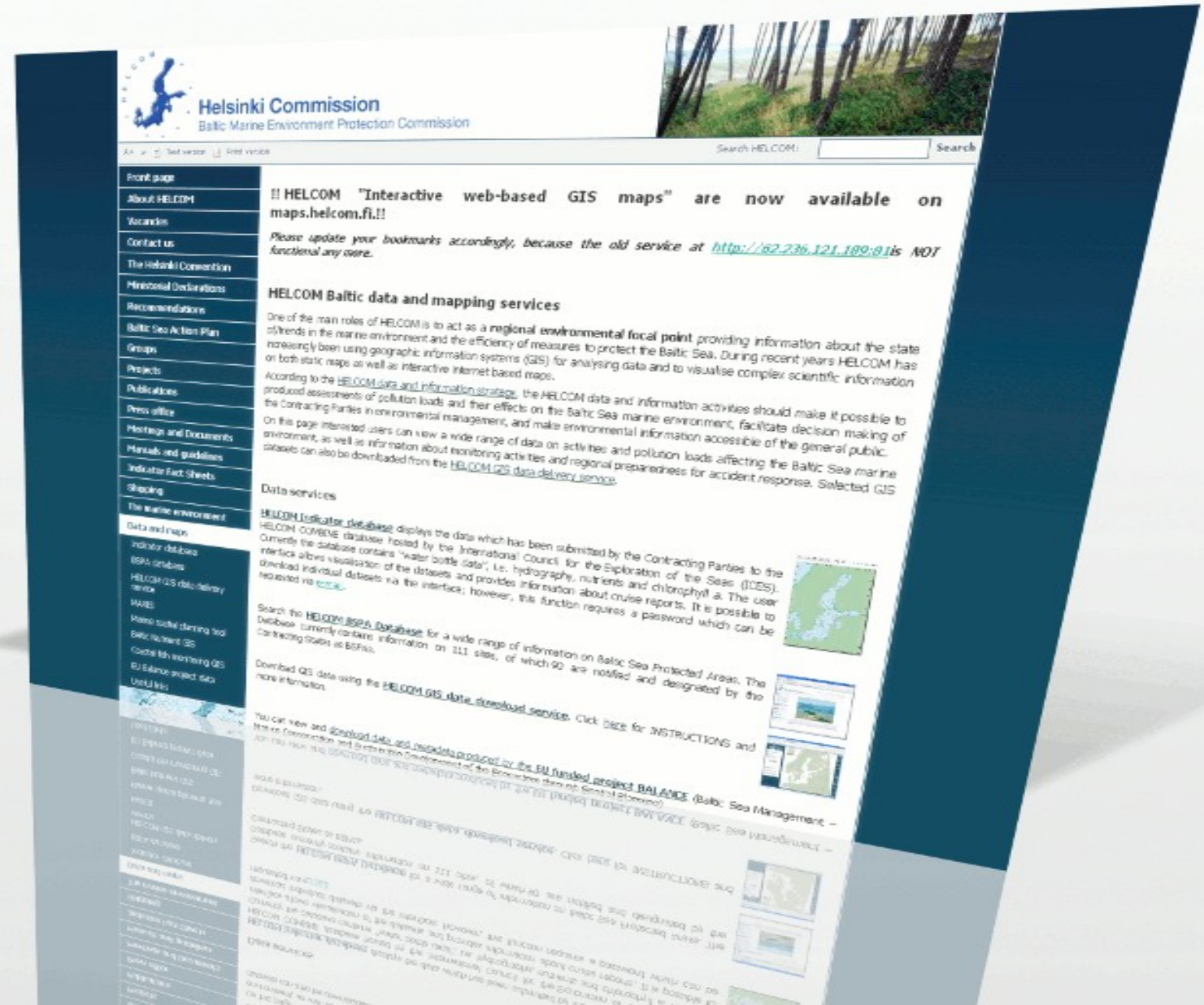
Produce **assesments** of pollution loads

Facilitate decision making



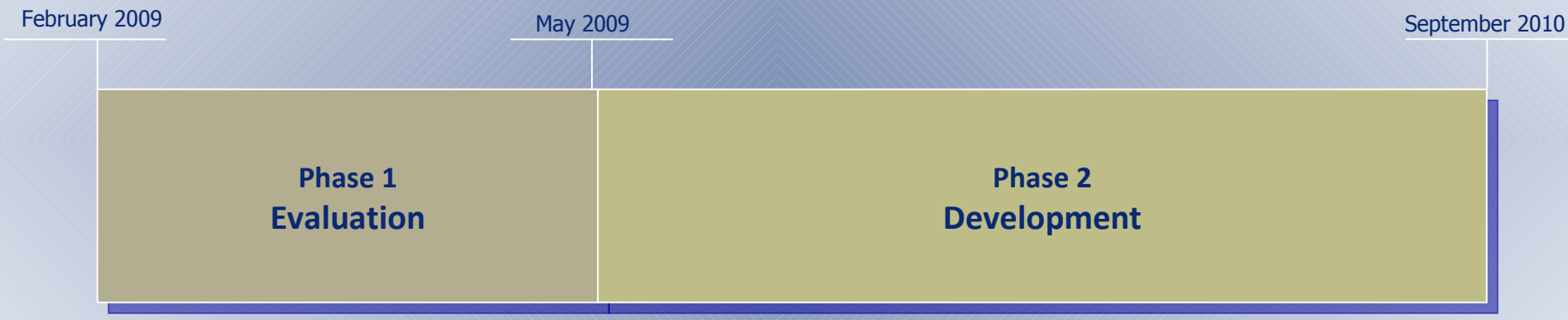
Make information **accesible** to the general public

maps.helcom.fi



OBJECTIVES

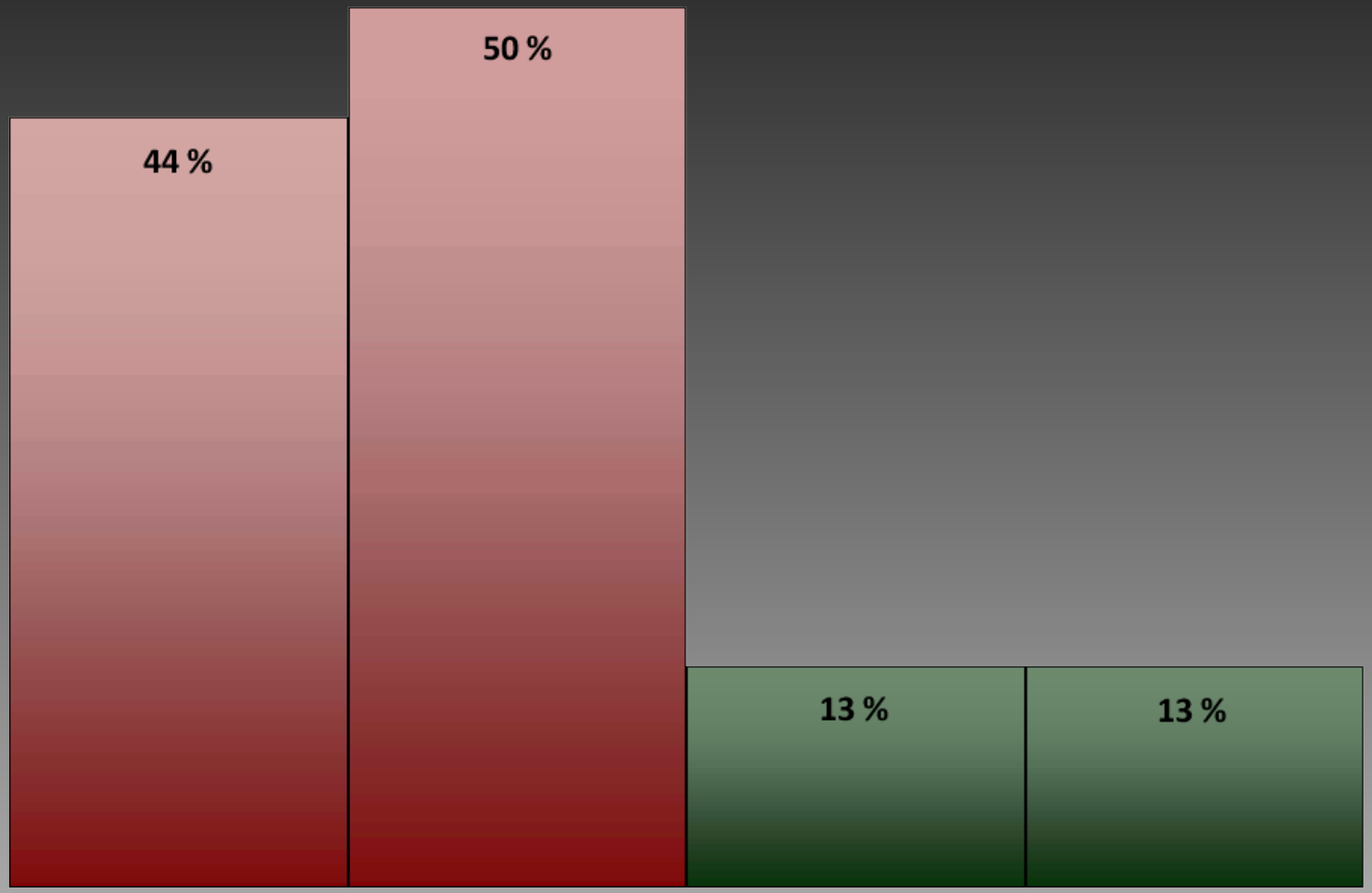
- **ENHANCE** the HELCOM data and Geographic Information System
- **FACILITATE** the implementation of EU INSPIRE Directive
- **DEVELOP** web-based application to view eutrophication status


February 2009
May 2009
September 2010
Phase 1
Evaluation
Phase 2
Development

Phase 1 Evaluation

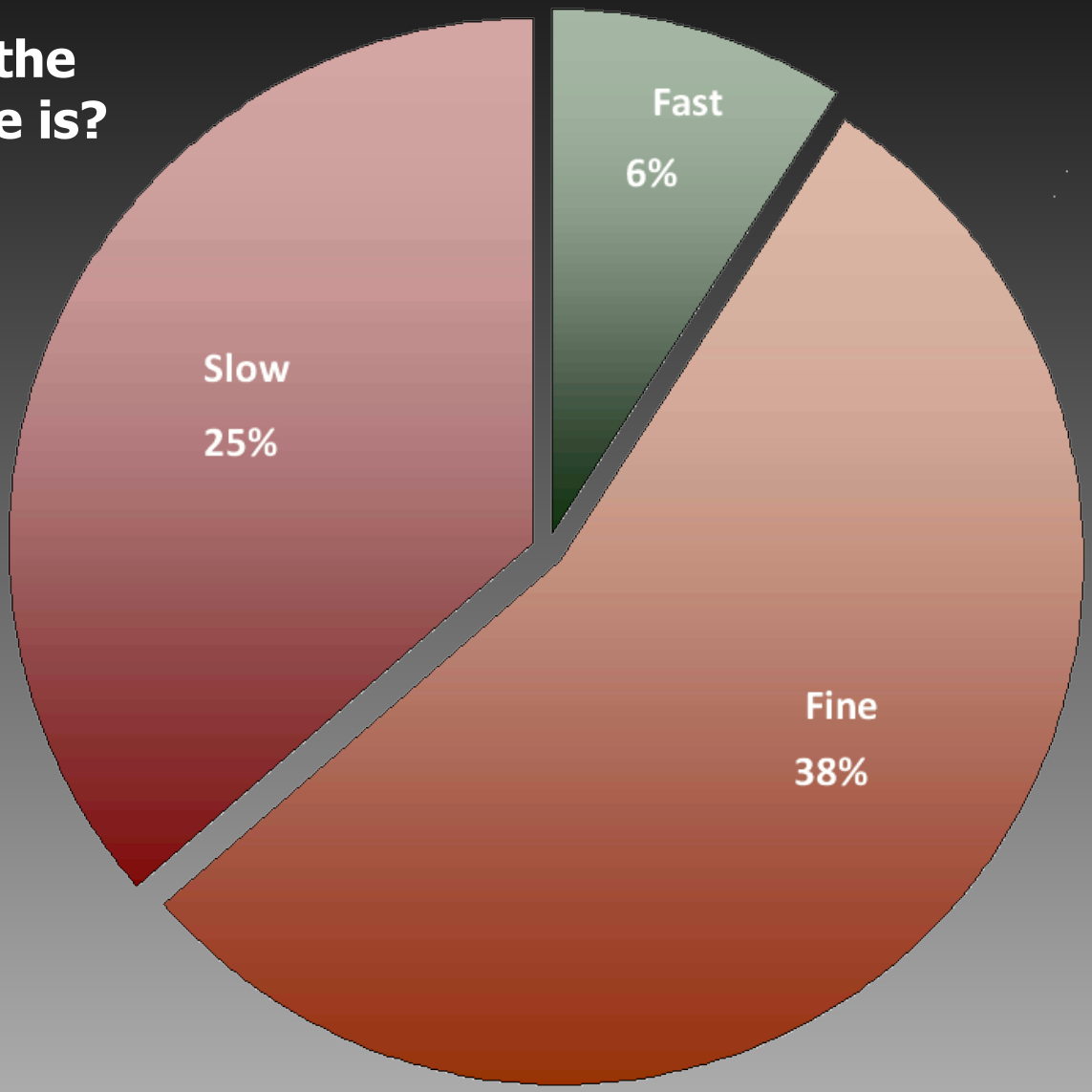
SURVEY

How do you use it?



SURVEY

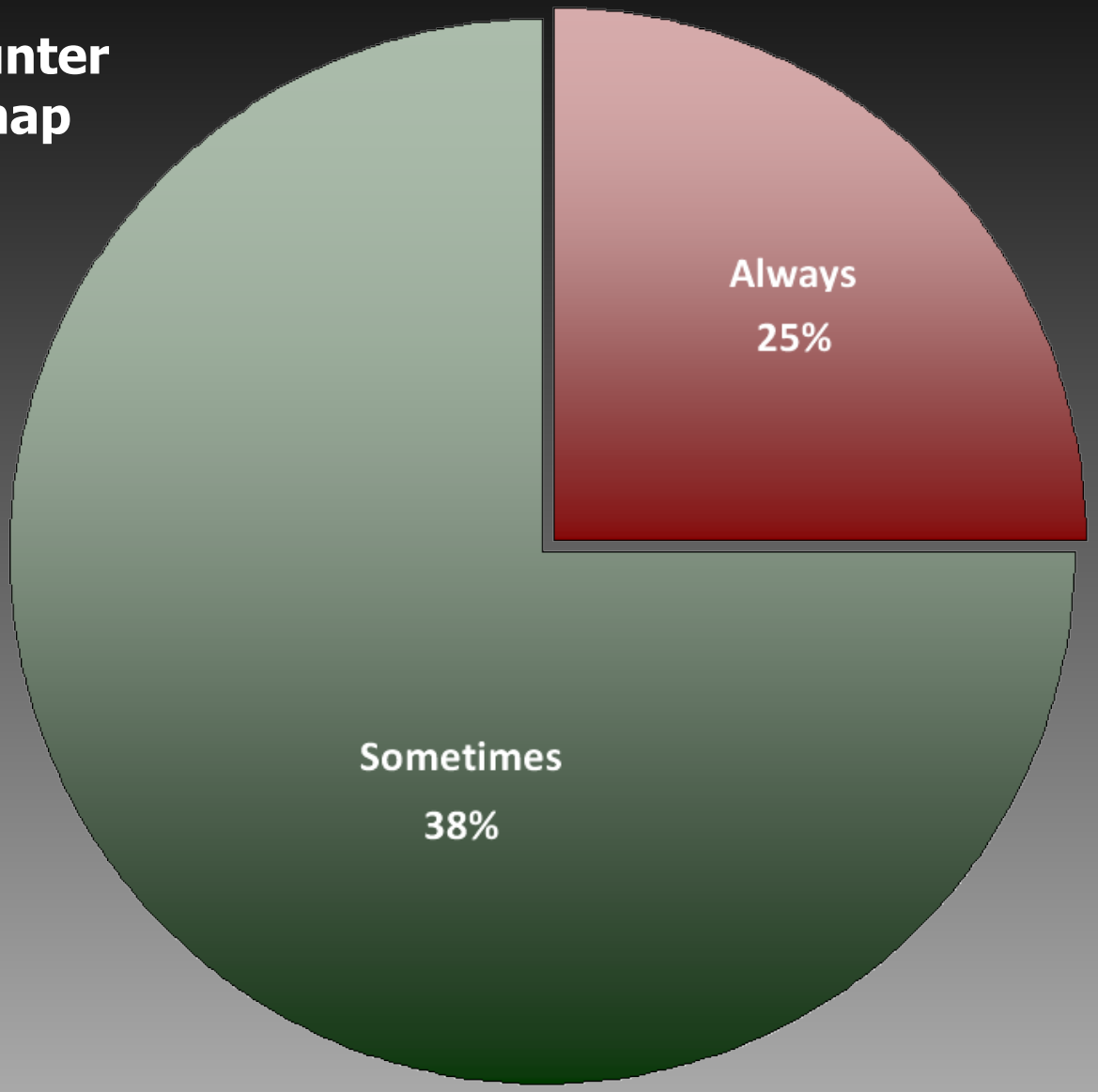
How fast the map service is?



Very Fast 0%
Very Slow

SURVEY

Do you enccounter errors in the map services?



Never **0%**

SURVEY

But you want **better**:

In general you are

satisfied



What is GOOD?



- **It works!**
- It covers the whole Baltic Sea
- Lots of data freely available

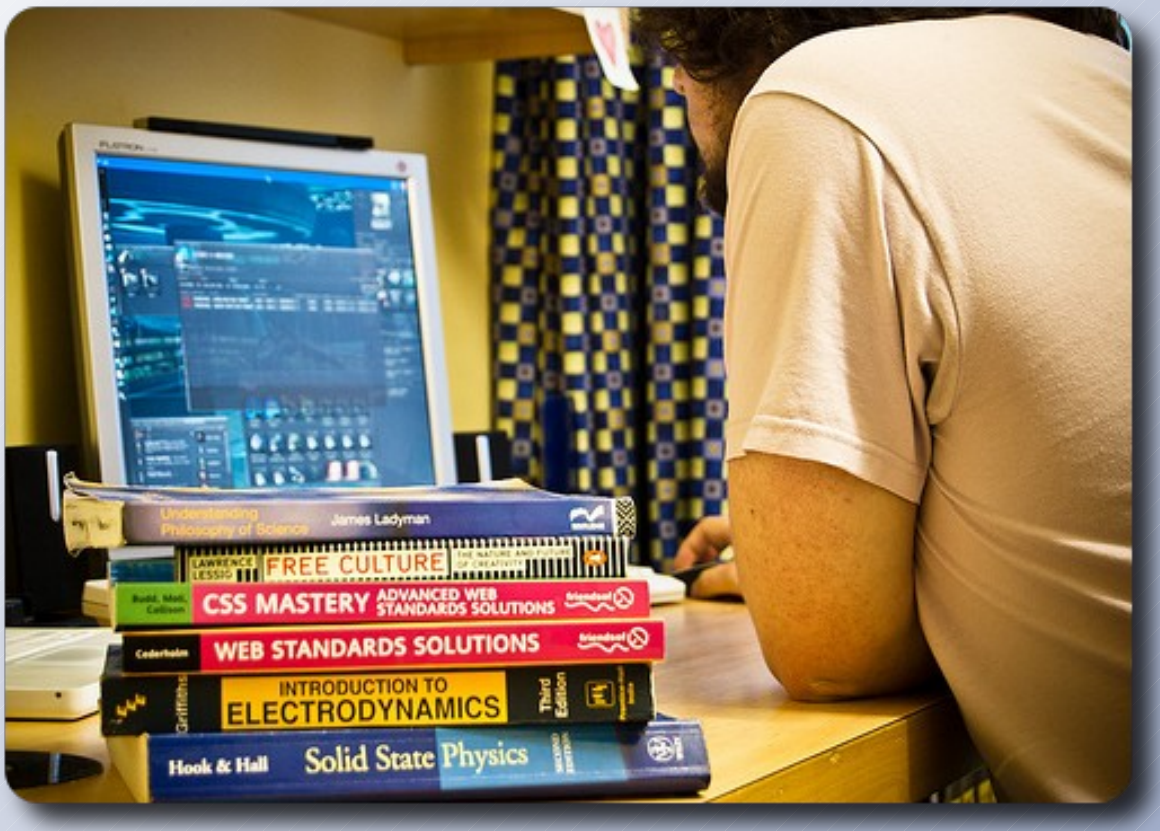
What can be improved?



We agree with what you said in the survey

We want to improve

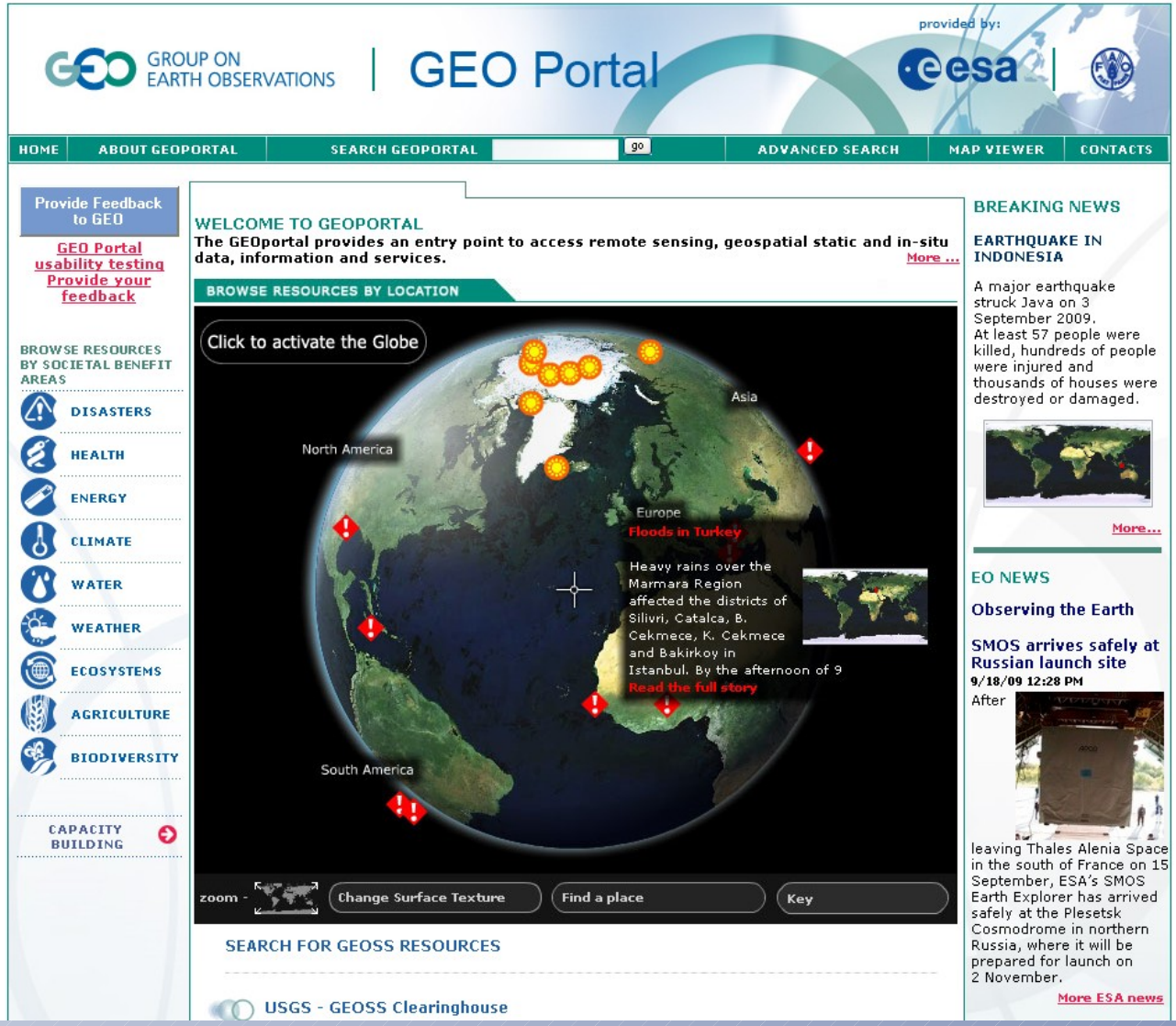
user-friendliness and robustness



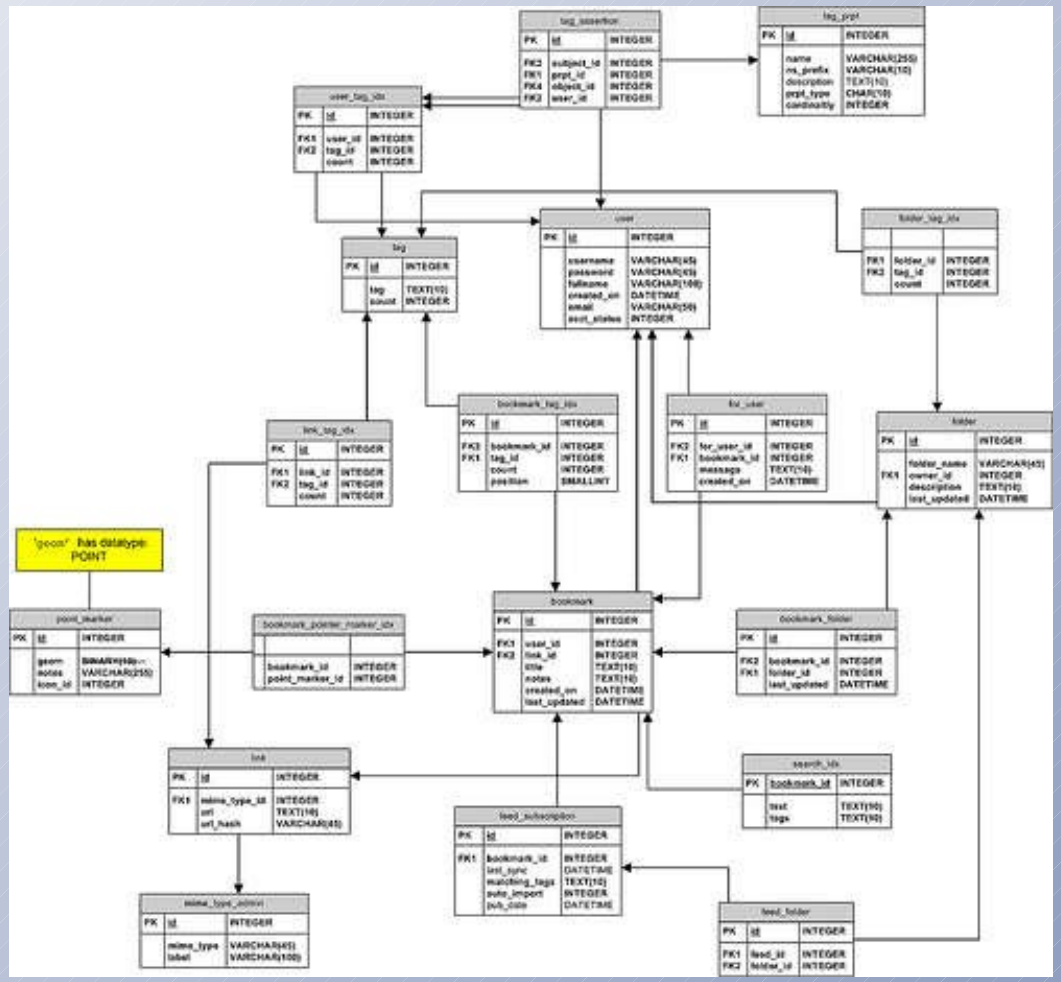




Metadata portal would be useful



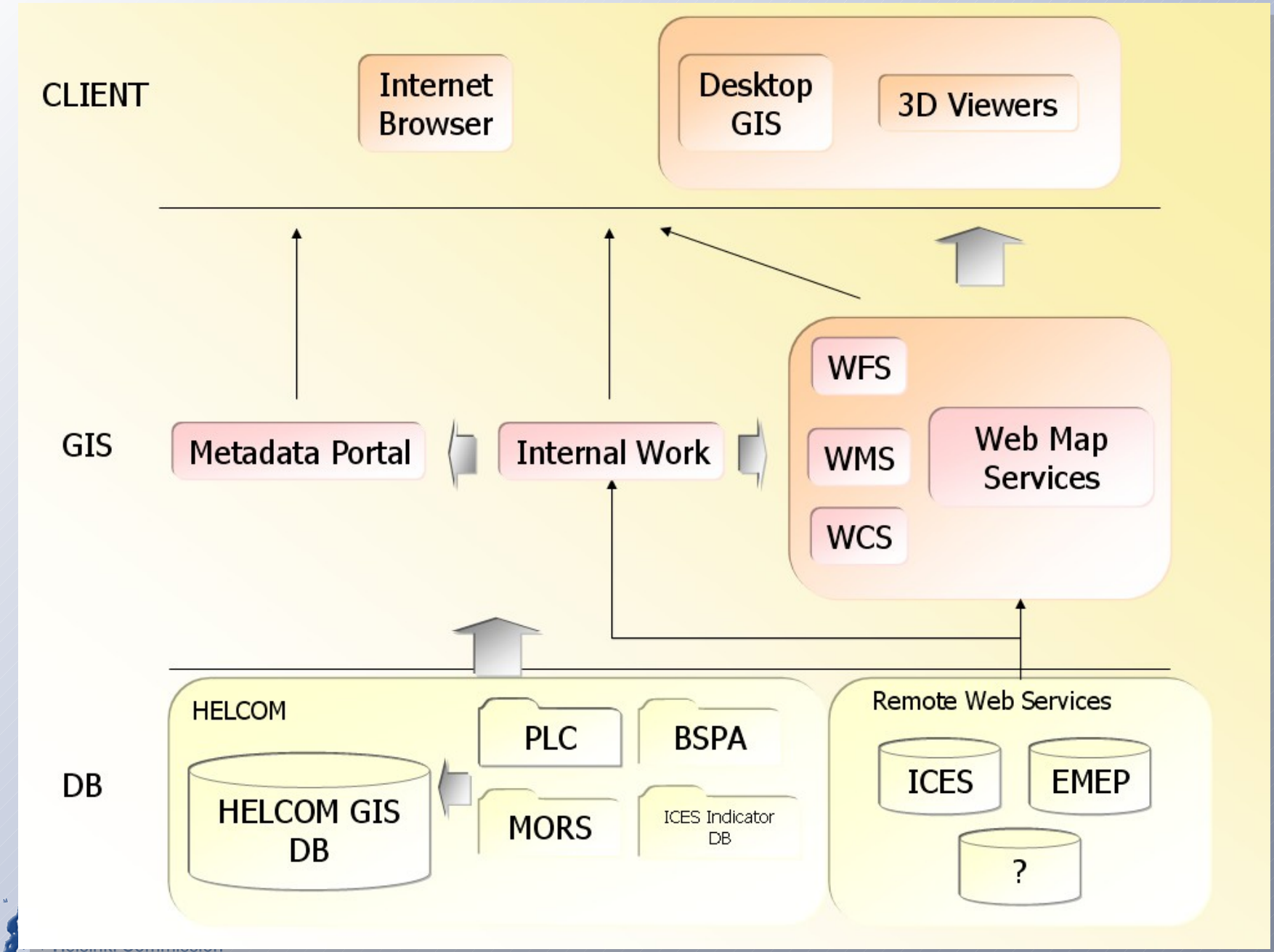
GIS **connection** to databases



We want better **tools** for making GIS work at the Secretariat more **efficient**



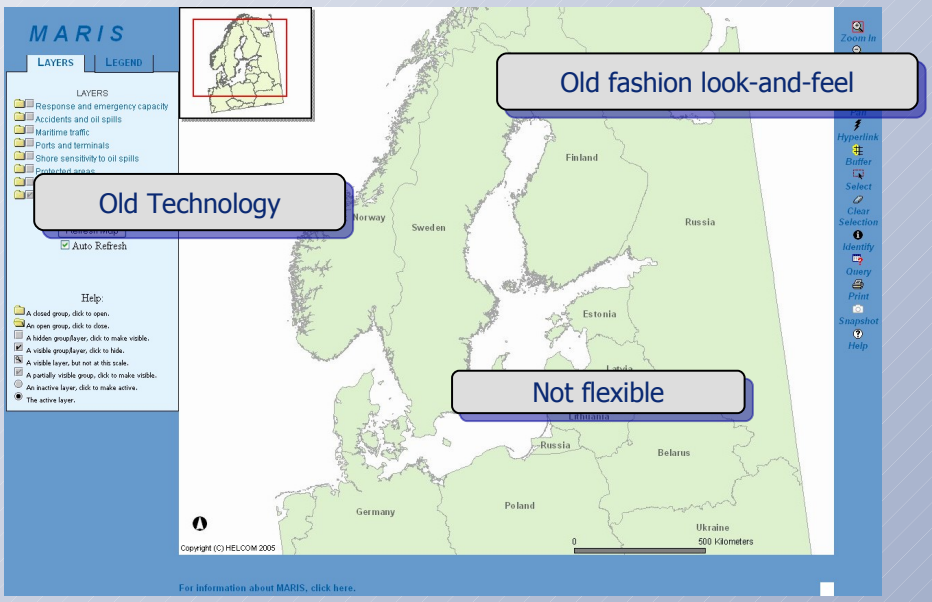
Proposed architecture



Phase 2 Let's migrate!!

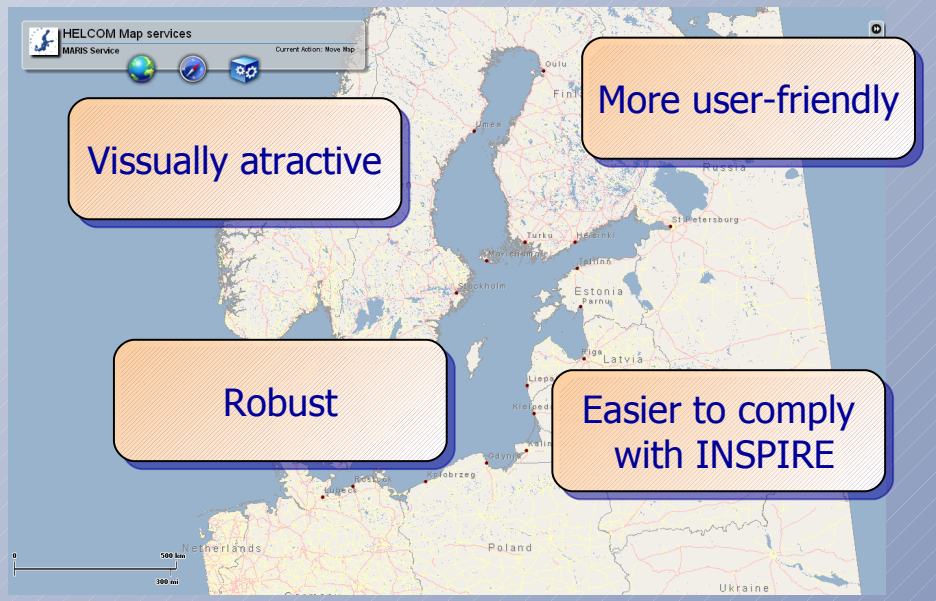
From

ArcIMS

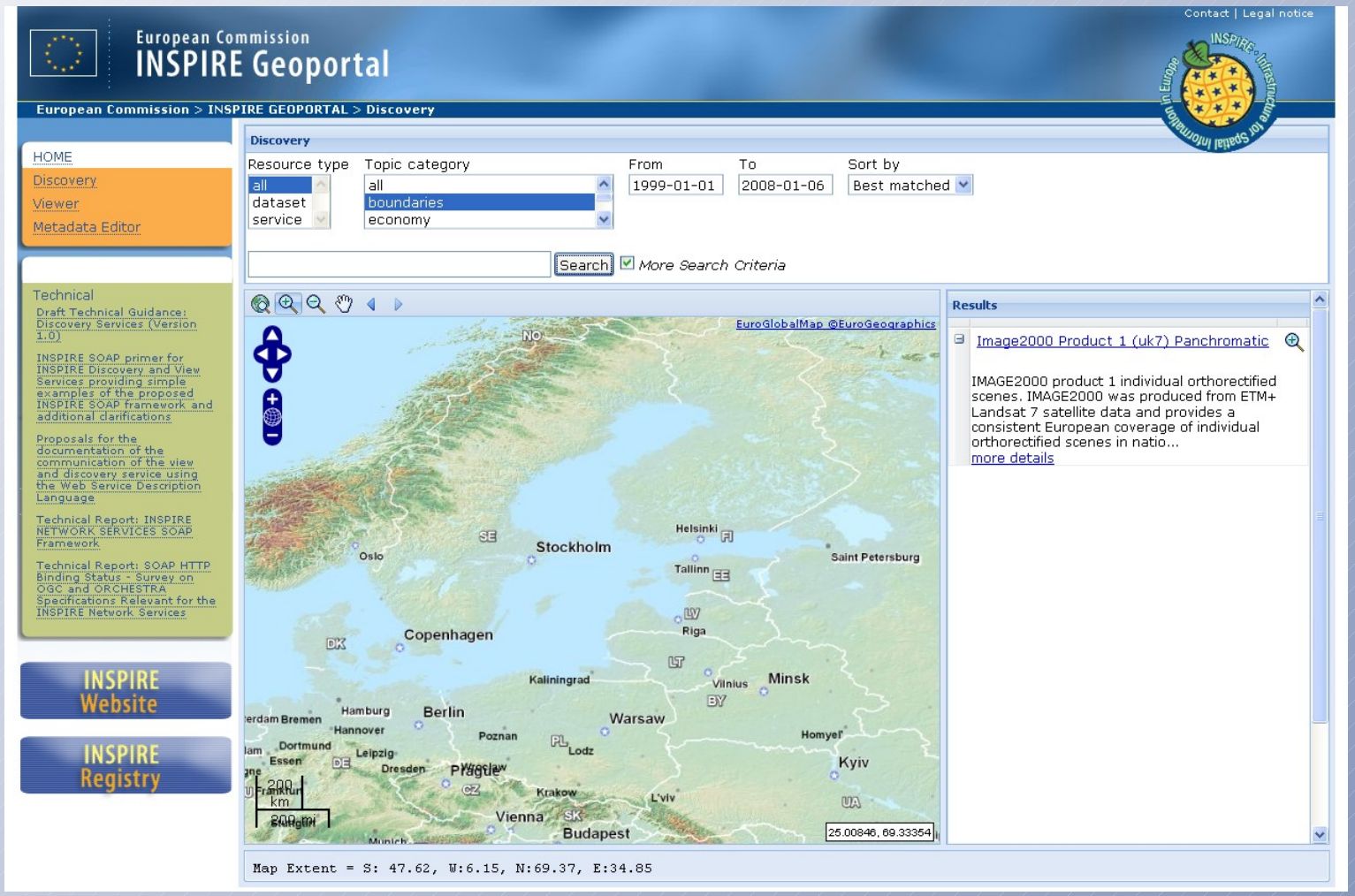


To

ArcGIS Server



...and let's build a METADATA portal



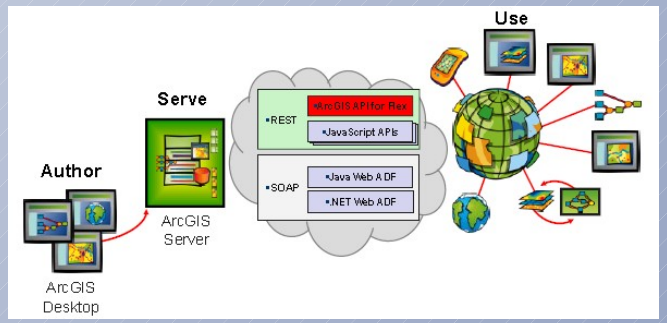
http://www.inspire-geoportal.eu/

Quick basic **technical facts** about ArcGIS Server

ArcGIS API for **Flex** 3

Apps in **Flash**: 98% computers with flash player

RESTful protocol web service



Phase 2 Let's INSPIRE!!

Share **geospatial** information to make it **accessible**



INSPIRE in plain English!!



http://tinyurl.com/inspireoverview

How can we comply with INSPIRE?

- **VIEW** service
- **DOWNLOAD** service
- **METADATA** service
- **TRANSFORMATION** service

OGC

ISO 19128

Web Feature Service 2.0

ISO 19143

ISO 19142

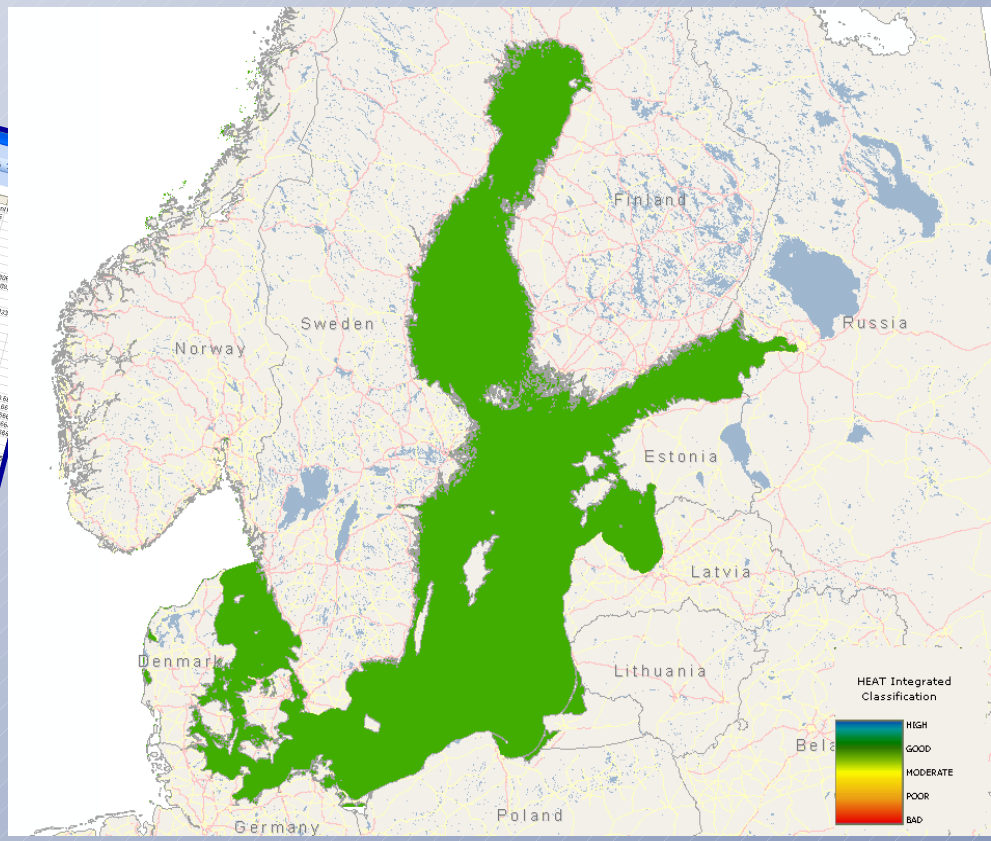
Web Map Service 1.3



ArcGIS Server

Phase 2 Eutrophication Pilot

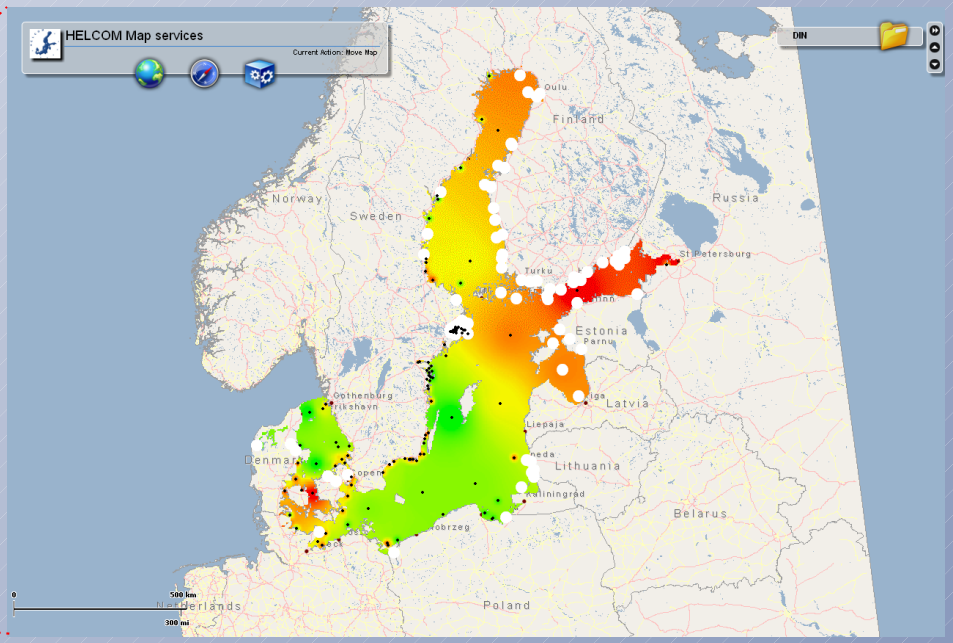
OUR DREAM!



Phase 2 Eutrophication pilot!!

View and evaluate the eutrophication status of Baltic Sea







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