European Commission

The European Marine Observations and Data Network, EMODNET and INSPIRE

29 September 2016

EMODnet
European Marine
Observation and
Data Network

What is EMODnet?

The European Marine Observation and Data Network is a network of organisations supported by the EU's integrated maritime policy.

These organisations work together to observe the sea, process geographic data according to international standards and make information freely available as interoperable data layers and data products.
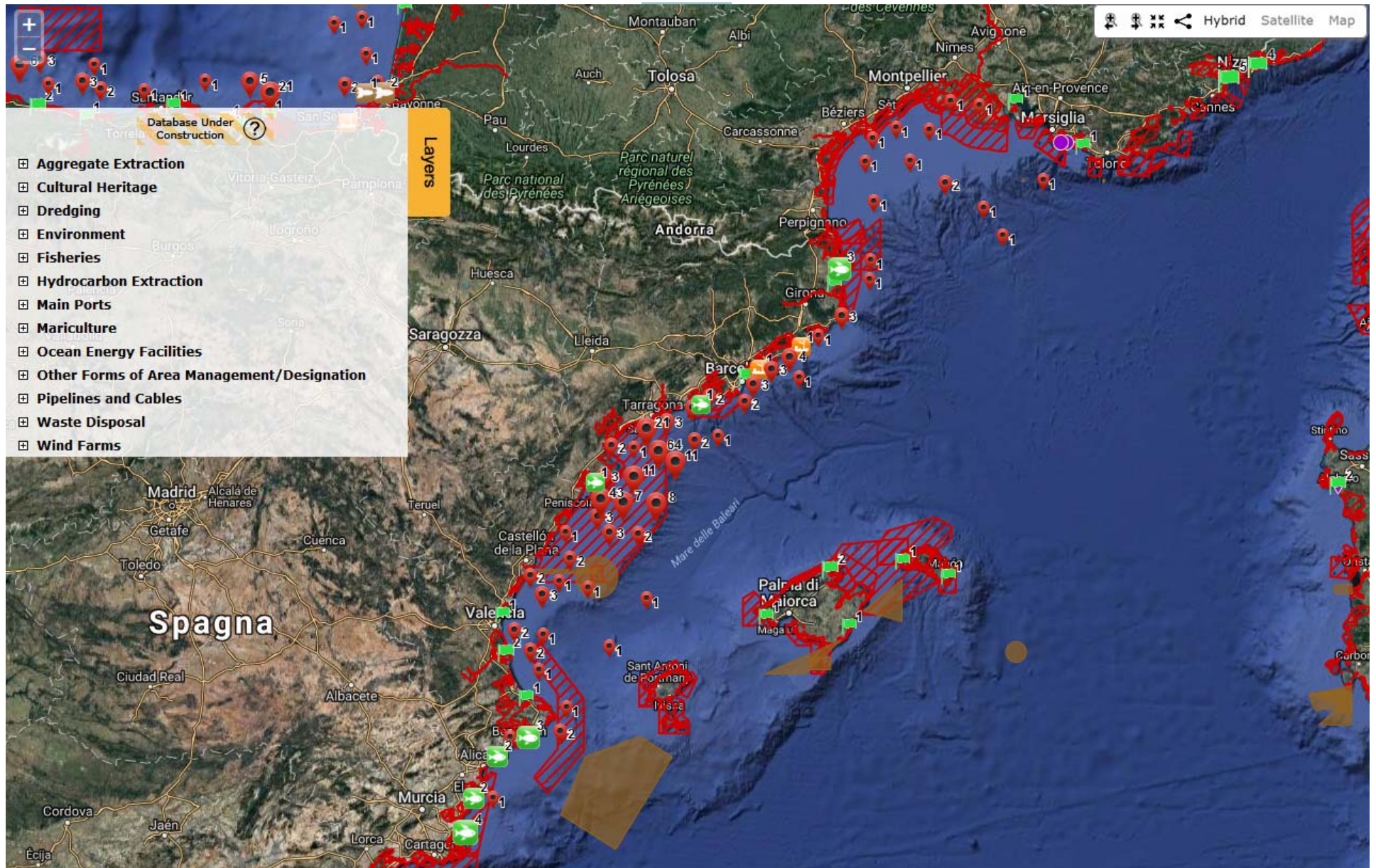
There are currently 8 portals:
- Bathymetry
- Geology
- Seabed Habitats
- Chemistry
- Biology
- Physics
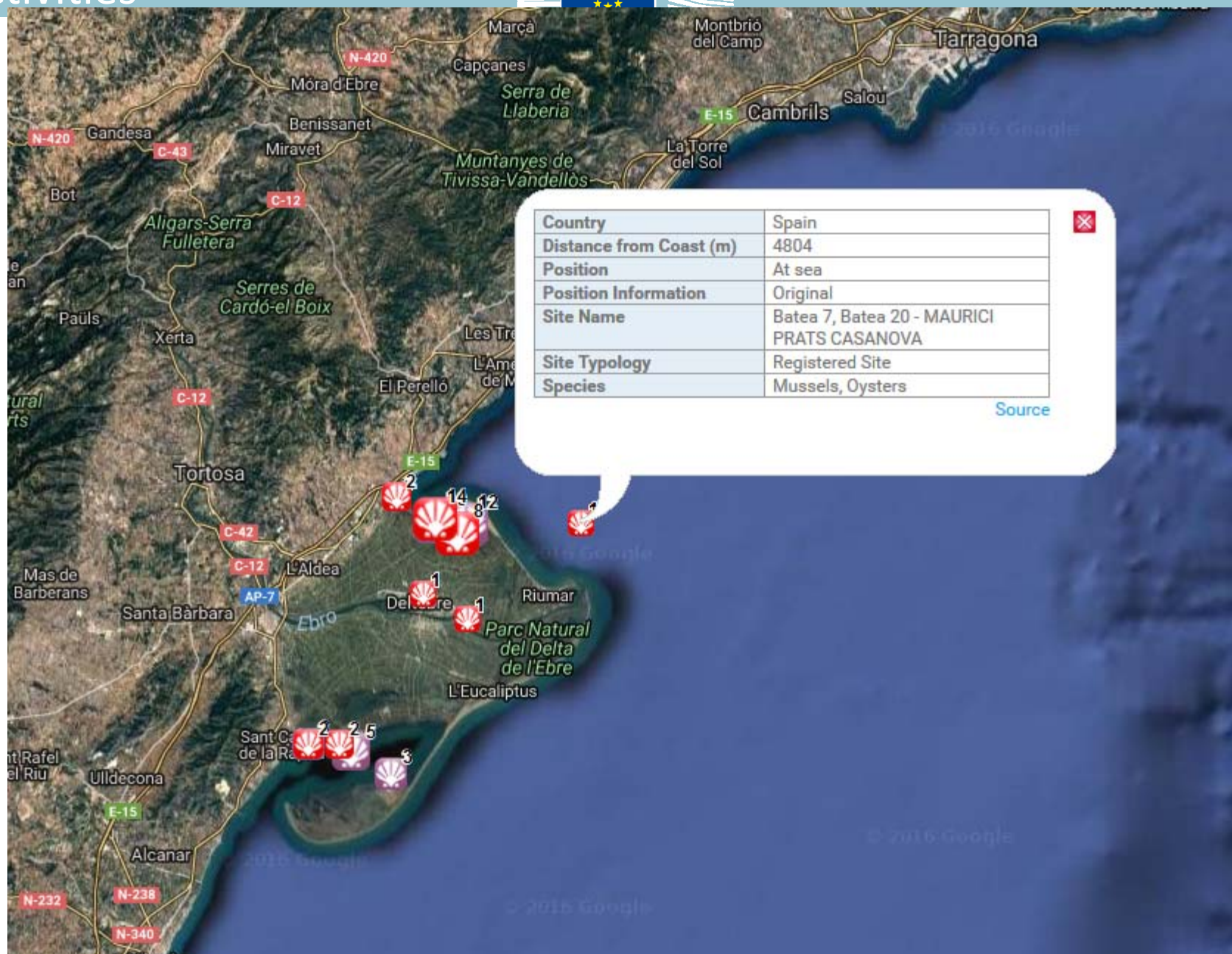- Human activities
- Coastal mapping

Principles

- Collect data once and **use it many times**

- Develop standards across disciplines as well as within them

- **Process and validate data at different levels**. Structures are already developing at national level but infrastructure at sea-basin and European level is needed

- Provide sustainable financing at an EU level **so as to extract maximum value from the efforts of individual Member States**

- **Build on existing efforts** where data communities have already organized themselves

- Develop a decision-making process for priorities that is user-driven

- Accompany data with statements on ownership, accuracy and precision, and

- Recognise that marine data is a public good and discourage cost-recovery pricing from public bodies.

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Database Under Construction

Layers

☐ Aggregate Extraction
☐ Cultural Heritage
☐ Dredging
☐ Environment
☐ Fisheries
☐ Hydrocarbon Extraction
☐ Main Ports
☐ Mariculture
☐ Ocean Energy Facilities
☐ Other Forms of Area Management/Designation
☐ Pipelines and Cables
☐ Waste Disposal
☐ Wind Farms

Hybrid   Satellite   Map

Country	Spain
Distance from Coast (m)	4804
Position	At sea
Position Information	Original
Site Name	Batea 7, Batea 20 - MAURICI PRATS CASANOVA
Site Typology	Registered Site
Species	Mussels, Oysters

Source

The benefits of INSPIRE

A spatial data infrastructure with common standards means less time spent harmonizing data and more time to develop data products. WE DO NEED STANDARDS!

On a scale from 1 to 5, EMODnet compliance with INSPIRE standards was rated 4

The online metadata editor <u>made our life a lot easier</u>

The thematic cluster platform provides an invaluable environment to learn and share insights

There's room for 'cross-fertilization' between EMODnet and INSPIRE

What didn't work

Few data available on the geoportal

EMODnet's data models are often quite different from INSPIRE's data specifications? Why is that so?

Mapping the source object (EMODnet) to target (INSPIRE) rarely fits 100%, because the draft mapping exercise carried out by INSPIRE was done on a different level of detail from EMODnet.

The Interactive Data Specification tool returns results related to different INSPIRE's themes. Quite often none of them fully captures our 'maritime dimension'

The background documentation is still too complicated

So, what can we do?
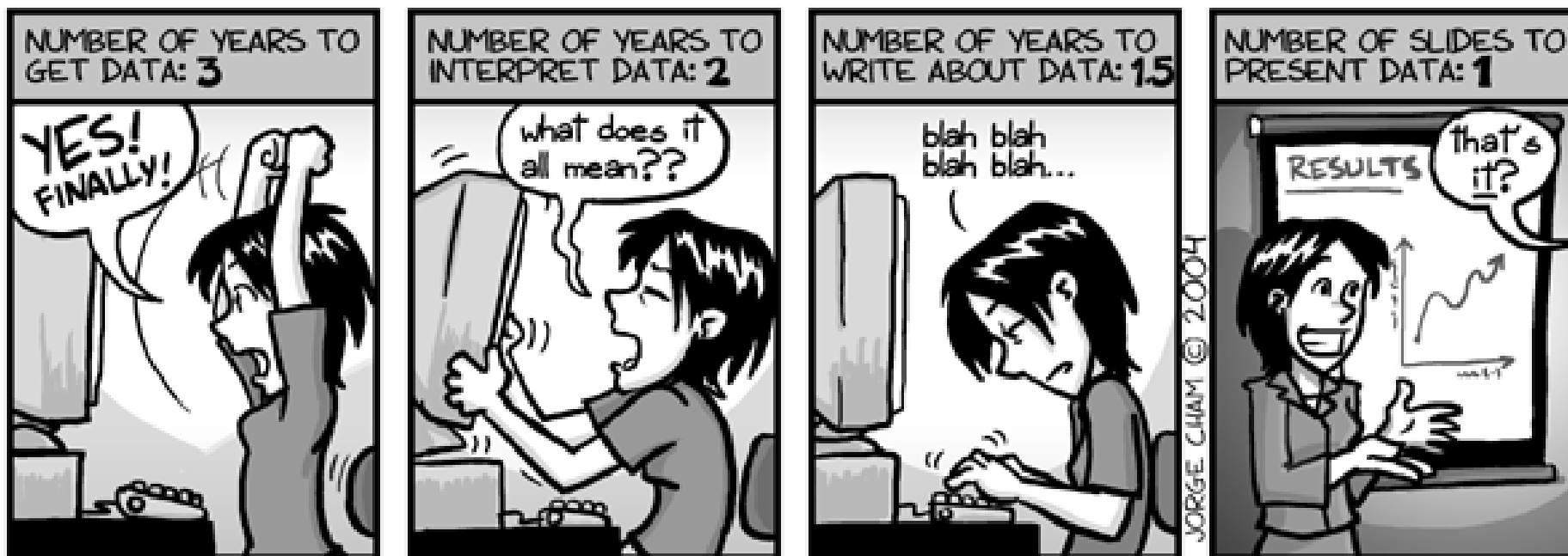
EMODnet and INSPIRE need to work together a lot!

INSPIRE can be simplified a lot. Standards are useful as long as they make people's lives easier, not more complicated

INSPIRE's data specifications can be fine-tuned to acknowledge the maritime dimension of certain datasets (Marine Pilot)

Thanks for your attention!

Rember to visit us at www.emodnet-humanactivities.eu, and leave your feedback

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