



5



Vessel density map – what's happening?

A set of data for 2017 was purchased from CLS. The data include

- **T-AIS and S-AIS** (AIS messages 1, 2, 3, 18 and 19)
- Messages downsampled to 3 minutes
- Wrong signals are removed
- SAT noise removed through Kalman filtering
- Footprint filtering for S-AIS consistency

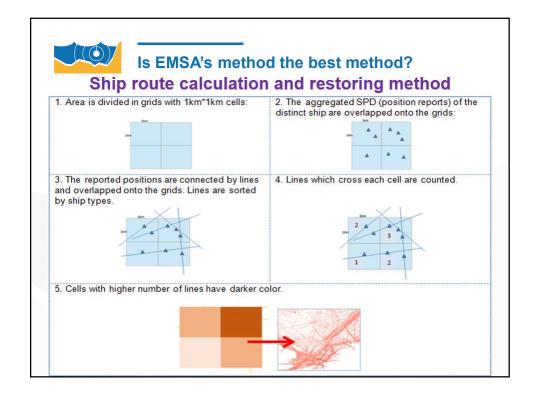
22/03/2018



Vessel density map – what's happening?





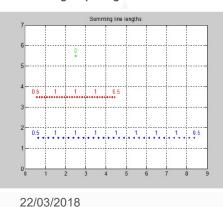


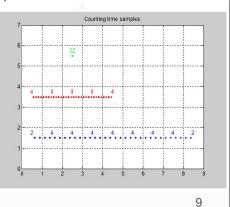


...or is there another way?

Ship density should be expressed in units of 'ships per unit area', i.e. 'how many ships would I expect to find within an area the size of X centred on this location?"

Counting ships in grid cells at fixed time steps





EMODnet

European Marine
Observation and
Data Network

Coordination with RSCs

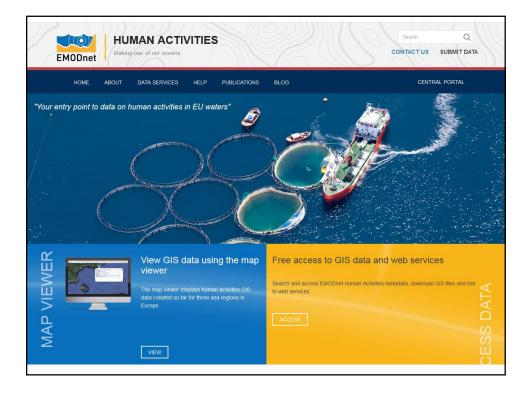
- A meeting took place with each RSCs
- An action plan and further meetings will follow
- Good cooperation with HELCOM and OSPAR
- Not so good with Barcelona and Bucharest (but there's scope for improvement ©)
- Generally speaking, we expect a more proactive approach from RSCs

22/3/2017 10



- We compared our data models with INSPIRE's
- Most datasets can be related to an existing INSPIRE application schema (some to more than one!)
- Some recursive attributes (country, dates, etc.) could be already transformed to the INSPIRE specifications
- However, some information included in EMODnet is not considered by INSPIRE.
 Either we change our data models or INSPIRE extend theirs
- The results of the analysis will be shared with the INSPIRE people so as to agree on a course of action.

22/3/2017 11

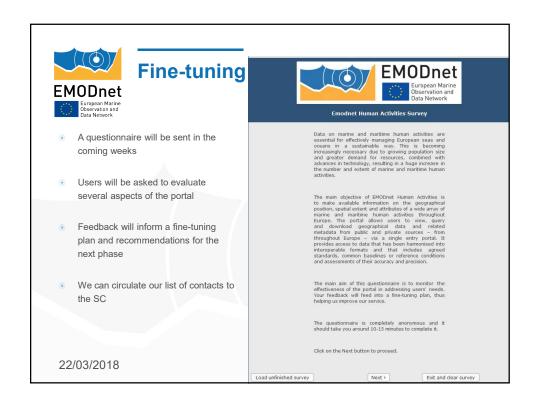




Maritime Spatial Planning

- EMODnet and Data Ingestion presented at the MSEG on MSP
- Dataset under development
- Geo-reference MS's spatial plans as they become available (now working on Belgium, Germany and the UK)
- Harmonise nomenclature (starting point: 12 themes in Directive 2014/89/EU)
- Liaise with EU-funded projects on MSP
- Submit interim results to MSEG
- Make available a consistent dataset

22/03/2018 13





EMODnet Italy Da

- @OGS, Trieste, 8 June 2018, organized by EMODnet Italian partners
- Objectives:
 - Update stakeholders on latest developments and future plans
 - Raise awareness on Data Ingestion
 - Stimulate cross-fertilization between user groups
 - Getting feedback
- Plenary meeting, use cases, interactive sessions

22/03/2018





European Maritime Day

- Burgas, 31/5 1/6 2018
- Presenting EMODnet Human Activities and Data Ingestion
- Live demonstration of the portal
- Live feedback from users
- The Secretariat will be there (or will they?)



22/03/2018



