EMODnet Stakeholder Conference & Sea-basin Workshops
14-15 February 2017

Human Activities

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On behalf of all Checkpoints

http://www.emodnet.eu

Human Activities

Aggregate extraction, Dredging, Fish catches, Hydrocarbon extraction, Main ports, Mariculture, Ocean energy facilities, Pipelines and cables, Protected areas, Waste disposal (solids, including dredged material, dumped munitions, marine constructions), Wind farms,…

Marine Data Landscape: The Wild West!

"Overall, the datasets performed adequately in meeting the challenges" "the overall provision of data for the North Sea presents a realistic foundation" (NSCP Final Report).

However, it is not simply a question of 'Google, Click, Download' (NSCP Literature Survey) ...

- ◉ Difficult to find;
- ◉ Difficult to assess and identify uniquely;
- ◉ Difficult to use;
- ◉ Difficult to afford;
- ◉ Patchy in spatial and temporal coverage;
- ◉ Often re-processed and aggregated.

Ship Traffic

"traffic data are essential for the assigned task and input data sets are totally inadequate because of negative scores for visibility, INSPIRE Catalogue, responsiveness, horizontal and temporal coverage, temporal validity." (Mediterranean)

"traffic data (AIS vessel tracking)… are not available for download." (Atlantic; Oil Spill, Windfarm, Species)

"traffic data provided by VTMS are very useful but should be made freely available for scientific use." (Black Sea)

"AIS data are required for oil platform leak and wind farm siting, but is lacking in EMODnet (Baltic; Oil Spill, Windfarm)

Human Activities

Fishing / Aquaculture

"Fishery data, such fish catch and by-catch, fish abundance in the water column are at the top of the list for their inadequate availability and appropriateness indicators." (Mediterranean)

"Fisheries data…are only available at a scale of … approx. 10 km x 5km for the years 2009-2013 at a yearly scale" (Baltic)

"ICES WGSFD dataset has aggregated fishing data across countries" (North Sea); "Quality assurance is non-existent" (Atlantic)

"National datasets…were potentially expensive…For… several years of landings and effort data, Denmark quoted €20,000 - €30,000 and the Netherlands €15,000 - €20,000 (North Sea)

Human Activities
Fishing / Aquaculture

"…it was not possible to generate an overall overview of fishing impact in the Arctic area:

◉ the coding of … unit of effort data is not always clear;

◉ due to privacy issues high-spatial resolution data …is not readily available;

◉ organisations that were addressed … did not reply." (Arctic)

"Information required for identification of IUCN categories for approximately 15% of MPA's is not readily available, scattered among different sources and mostly in national languages. " (Baltic)

"Aquaculture sites are often found as point locations rather than polygons … GIS compliant cadastre data were found for Ireland and France but are still missing elsewhere." (Atlantic)

Tourist Beaches

"For … oil spill on tourist beaches the dataset used as a proxy was the EMODnet dataset 'Quality of bathing water' which might not be comprehensive." (Atlantic; Oil Spill)

"After 24 hours there was no data obtained on the locations of tourist beaches … and this limitation persisted through the challenge into 72 hours, particularly for the … Shetlands. " (North Sea; Oil Spill)

"It appears there are not too many tourist beaches in the Arctic (yet)." (Arctic)

"data should be made available to the research community following a protocol to be developed." (Mediterranean)

"There is a need to establish, in a strategic way, the right communication tools, fora and modes of interaction to help break barriers … between different actors in the value chain"

(Guidelines and best practice to promote uptake and sharing of marine data by industry V3, H2020 Columbus project)

8