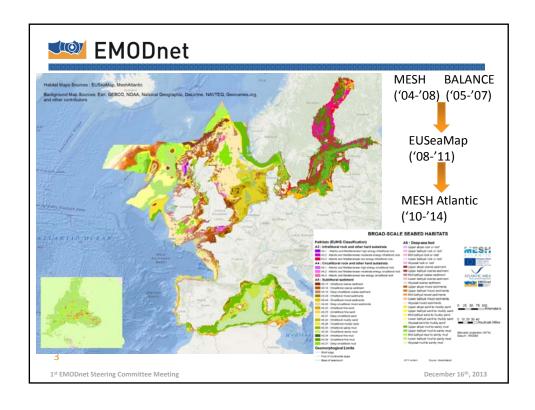


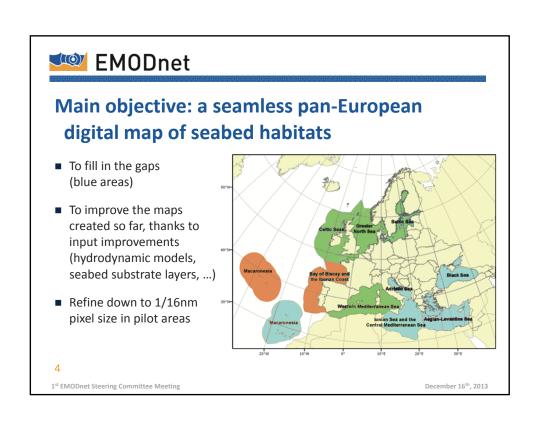


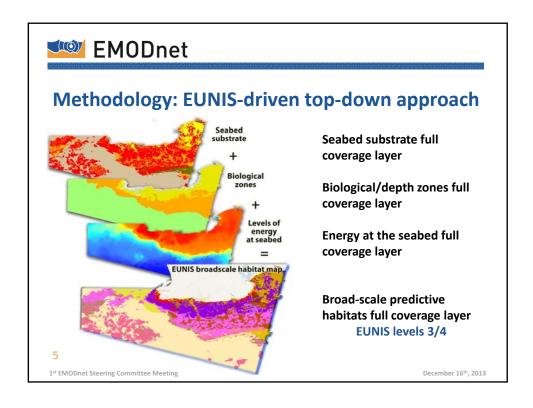
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■ Web Portal Planning











ETC/BD

Revising of the Marine Component of the EUNIS Habitats Classification

- First stage: workshop at EEA last month
- More biogeography-based, accomodates new typologies
- Intercalibrations within biogeographic regions
- EMODnet Seabed Habitats could act as a facilitator
- Aim: finalised proposal in December 2014
- Recoding of our existing maps (new colour scheme)

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Seabed Habitats 2014 Year 1 Deliverables

- Maps will be made available for three new sea-basins
 - Macaronesia (Madeira and Canary Islands)
 - Adriatic
 - Iberian Coast

The models for the maps created so far (EUSeaMap, MESH Atlantic) have been structured to allow ready update of the maps, as new higher quality data become available in the future.

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The « Seabed Habitats » lot is a receptacle of many data layers either collated or produced by the other EMODnet lots

Lots	What	Where	When
Hydrography	1/8 nm gridded bathymetry	Adriatic Macaronesia	By June 2014
Geology	Grain-size point sample data + polygon rock layer OR 7-class Folk polygon map	Adriatic	By June 2014
Biology	Point sample data (esp. angiosperm and macroalgae) to calibrate depth zone thresholds	Everywhere (start w/Adriatic)	Throughout
Human Activities	Effect of downscaling and resolution on assessing HAs	Kattegat	Year 2
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Confidence assessment

- Tender requests data layers of confidence in classifications
- Qualitative confidence in input data (Good-Medium-Bad)
- Ideally: Hydrography and Geology produce confidence maps
- Perhaps a common workshop?

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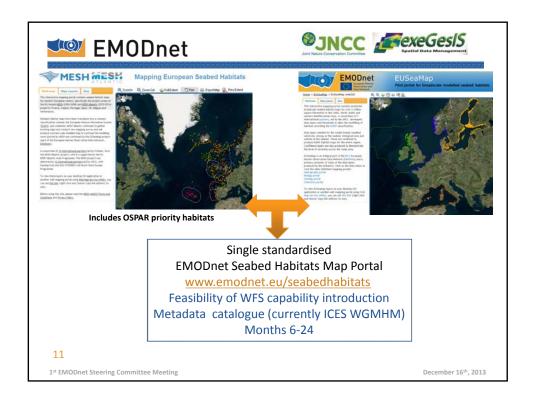


Downscaling case studies (1/16th nm)

- Where are the highest resolution EMODnet phase 2 layers for:
 - Geology
 - Bathymetry
 - Physics
 - Chemistry
- Do these areas coincide with a good coverage of point sample biological data?
- Could the entry portal show the boundaries of these finer resolution layers from thematic lots?

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The webGIS development also includes:

- Search and display function allowing users to search results either as a map or as metadata
- Integration of fine-scale maps collated outside project remit (Regional Seas Conventions, Annex I Habitats Directive...)
- Process to allow submission of fine-scale habitat map records (as metadata or as spatial layers)
- Facebook link, RSS feeds



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Entry Portal use cases that would help us

- 'On-the-fly' creation of gridded oceanographic climatologies
 - Choose variable (e.g. light attenuation, current speed)
 - Choose resolution
 - Choose time window (e.g. 2009 2011)
 - Choose statistics: e.g. (mean, s.d., max, min, xth percentile)
 - Output: a gridded layer at the chosen resolution of the chosen statistics for the chosen variable and time window
- 'On-the-fly' creation of gridded seabed substrate
 - Choose resolution
 - Choose classification in predefined list (e.g.: MESH triangle-based)
 - Output: gridded layer for seabed substrate at chosen resolution and classification

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Entry Portal use cases that can't be performed

- 'On-the-fly' calibration of EMODnet Modeled Seabed Habitat maps with biology lot point sample data
 - Needs statistical analyses that cannot be automated
- 'On-the-fly' creation of modeled seabed habitat map via combining physical parameters, hydrology and seabed substrate lots
 - Would require EUNIS classification to consider all biogeography particularities and to be for ever stable

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