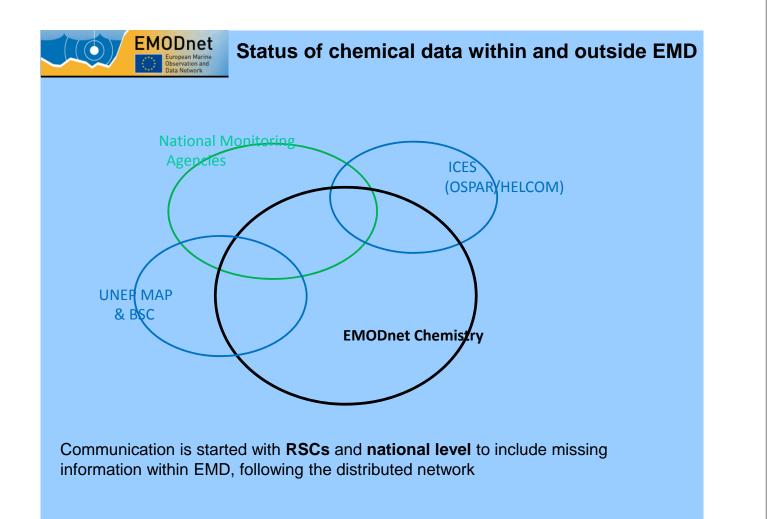


Updates from Chemistry lot (MARE/2012/10)

Alessandra Giorgetti – OGS – Italy

4th EMODnet Steering Committee Meeting, Ispra (VA, Italy), 1-2 July 2015





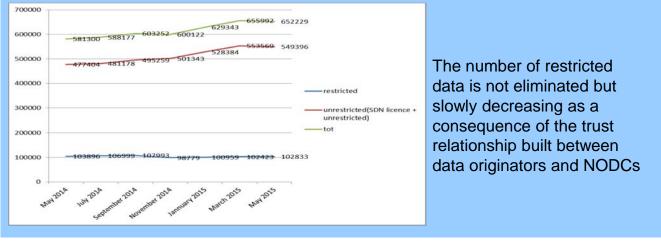
EMODnet Dia Network Dia			ta policy in SeaDataNet/EMODnet Chemistry		
	Per Data Access Restriction	Datasets	Metadata and data	ι	
	SeaDataNet licence	295.292	84 % of the data are "unrestricted" products are freely		
	Unrestricted	256.538	available		
	by negotiation	90.552			
	no access	11.460			
	Academic	944	15.8 % of the data are "restricted" Data follows data		
	Licence	543	policy settled by		

With SDN/EMD Authorisation/Autentication/Access service the user can be aware, negotiate and agree the access to restricted data; the originator can standardize its information for long-term safeguarding while keeping the ownership

originators

456

655.785



Quality assessment for data and products

Quality assessment for EMD Chem is considered as a key element both in the data collection as well as in the data products generation

- Data are validated by the originators
- Data are validated by the **Data Centers**
- Data are validated globally, at regional level
- → Regional QC buffers of data

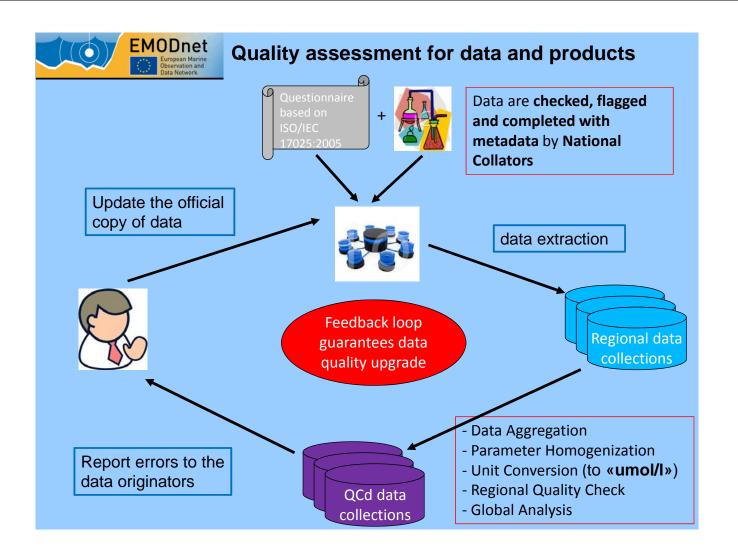
EMODnet

Moratorium

DIVA (Data-Interpolating Variational Analysis) horizontal maps generated on top of regional QC data buffers

- Maps (PO4, NO3, SiO4) are validated by local experts
- Maps (PO4, NO3, SiO4) are validated by EMD community

→ EMD Chem products are reviewed during Expert WS





Key progress updates: plan 3rd year

Data collection focused on:

- Contaminants in all matrices by M27 = September 2015
- Chlorophyll-a, Oxygen, Organic Matter, pH, Alkalinity by M27 = September 2015

Data harvesting is underway and will close definitely on M28 = October 2015.

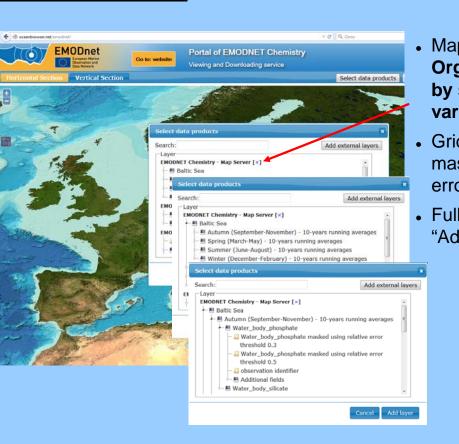
Validation of regional data collections

DIVA maps generation with 10-year moving window over 55 years, by season at identified vertical standard layers for:

- Total Phosphorus, Nox, Total Nitrogen, NH4 by M26 = August 2015
- Chlorophyll-a, Oxygen, Organic Matter, pH, Alkalinity by M34 = April 2015

in the **5 regions** (Baltic sea, North sea, Atlantic sea, Mediterranean sea, Black sea)

The **dynamic visualization** as OGC services are available for nutrients in the 5 regions. Performances should be improved (software, cloud environment). New regional collections are expected by M34.

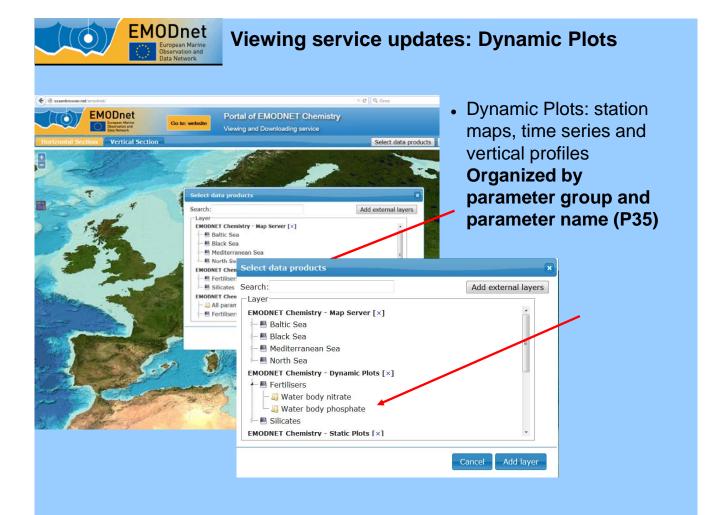


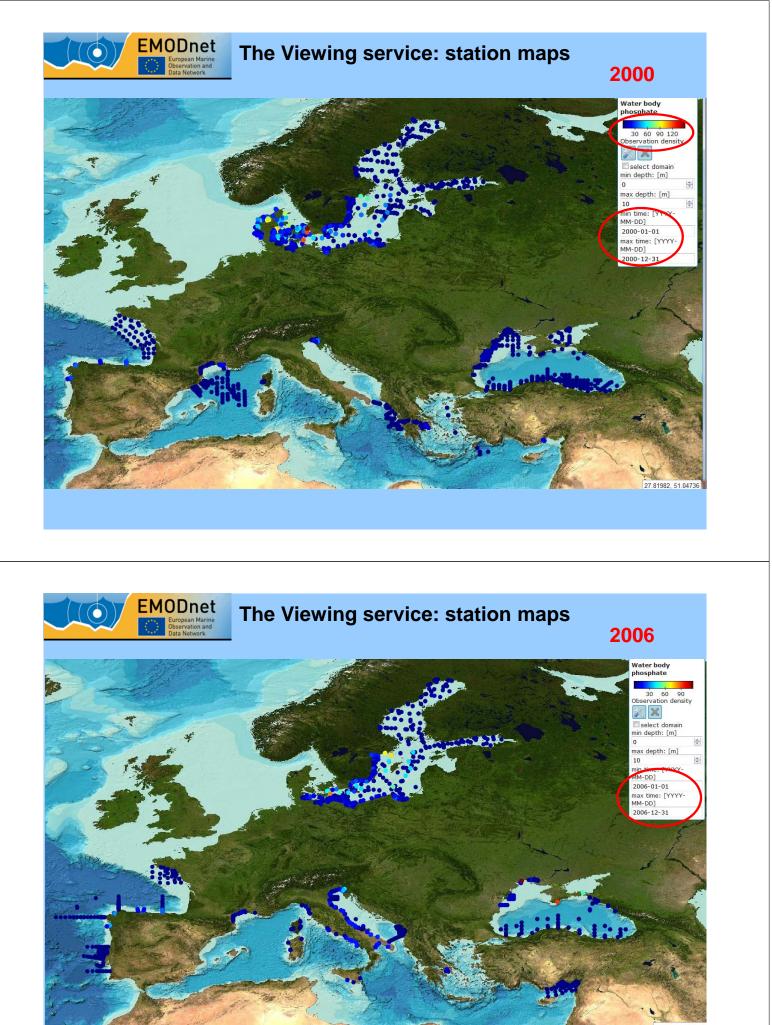
EMODnet

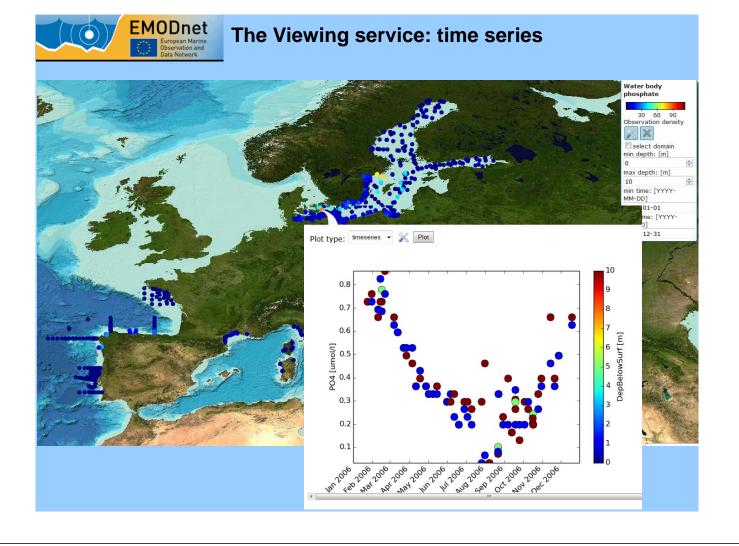
 Map Server: DIVA maps Organized by domain, by season and by variable

Viewing service updates: Map Server

- Gridded field are masked by expected error
- Full field available in "Additional fields"









Specific issues of concern

All **activities** (data collection, data buffers generation, data buffers aggregation and validation, DIVA maps generation, integration of the viewing services) are **concatenated** \rightarrow deadlines should be respected

Inputs from Expert WS will be important and needs to be fulfilled

Requirements raised during previous MSFD-EMODnet meeting have been **faced** during the last SC and some **updates have already planned** (matrix, include QC/QA information, identify data collection purpose, RSC sub-basins, unique identification for monitoring stations)

Definition of sub-contracts for Crimean partners