



MyOcean & SeaDataNet Collaboration : Setting the scene

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Data exchange context in Europe

Physical Environmental observations

- MyOcean and SeaDataNet are the two pillars of Data Exchange of physical environment observations in Europe
- The two Consortia overlap and involve key data centers
- Close link with EuroGOOS who operates a big part of the monitoring systems is established
- Since 2009 an MoU is signed between the two consortia to work together to strengthen interoperability between the two systems

- Users : operational oceanography and research community

■ Architecture

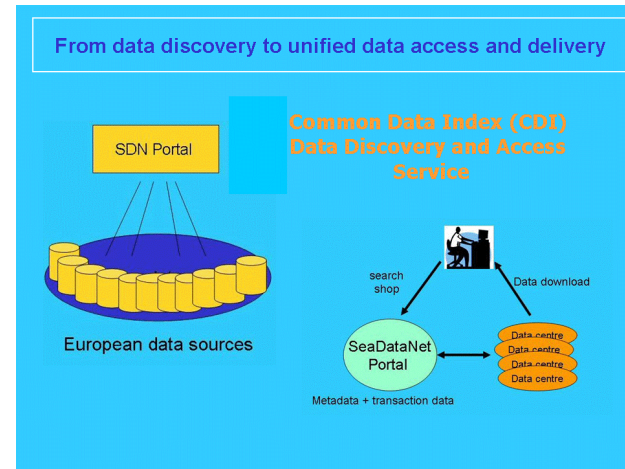
- Distributed system with components highly connected together to provide similar services at Global and Regional levels
- Overlaps between regions that induced duplicates and required coherent rules to handle them



- First Priority : Near Real week delay
- Data policy : free and open to registered users
- Product : a portal providing the best value of an observation without duplicates

- Users : Research community and other users
- Architecture

- Main actors are NODCs who manage and archive historical data
- Highly distributed system for data holding with central catalogues



- First Priority : Historical data but moving to more recent data; inclusion requires validation and documentation
- Data policy : both Free and Conditional access to registered users, via a unified shopping interface
- Service : A central discovery service enabling access to the individual datasets AND a public products service

Why Historical aggregated products

- Operational Oceanography users need 25 years (from 1992 to now) historical aggregated data for reanalysis activities => MYO INS TAC
 - Targeted parameters :
 - Temperature and Salinity for assimilation in model
 - Sea Level for validation
 - Biogeochemical data for validation
- Researchers need enhanced climatology as well aggregated dataset for climate change activities
=> SDN
 - Targeted Parameters :
 - Temperature and Salinity for climatology
 - Other parameters ???

■ Joining efforts allows:

- Avoiding overlaps in activities such as data collection, data QC, feedback to originators
- Increasing synergy to correct divergence between the two systems
- Doing more with the same amount of money
- Emphazing the complementarity of the two infrastructures and work together toward their sustainability



Cooperation between MyOcean in-situ TAC and SeaDataNet

