







SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Future

- Continuation of operation and maintenance of infrastructure and services
- Further development and implementation of new standards and services
- Further expanding data coverage and connected data centres

Via

- EMODnet: SeaDataNet subgroups involved in EMODnet Bathymetry, Chemistry, Physics, Biology and linkage with Geology => Phase 3 announced
- SeaDataNet subgroups involved in AtlantOS, EuroFleets 2, ENVRIplus, JERICO-Next, ClipC, CitClops, Micro-B3, ODIP II and other EU research projects
- New opportunities in HORIZON 2020 for SeaDataNet III project – Call for Research Infrastructures - mid November 2015 – 10 MEuro



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Main focus for SDN III proposal:

- Innovation to upgrade existing and develop new standards, products and services
- Secure operation and maintenance of services, also during transitions
- Expanding the community of data providers
- Improving and expanding the experience for users by improved performance and added-value services and products
- Elaborating the business case and sustainability plan



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One of the ideas:

- Dynamically replicating local SeaDataNet data collections to common 'distributed cloud' environment:
 - Higher overall performance and reliability of access
 - Quality ensurance of metadata and data integrity
 - Users can download one integrated data package
 - Data provenance and versioning management, incl DOIs
 - Transformation services for formats, harmonised parameters and units
 - MySeaDataNet: personalised services such as user profiles, subscriber service for data alerts, toolbox for analysis on pools and own data etc
 - Possible cooperation with EUDAT



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- More data in SeaDataNet:
 - Follow-up to international and European data collections such as Euro-ARGO, GOSUD, within CORIOLIS, ICES, PANGAEA, BODC, IFREMER,
 - Closer cooperation with operational oceanography networks (EuroGOOS, gliders, EMSO, JERICO-Next, FerryBox, ..) for uptake, processing and storage to provide access to their validated data AND using SWE for (N)RT data provision

More products and services for users:

- Advanced services on the data collections in the cloud
- Ready made regional collections
- Linked data services

Innovate for data providers, users and managers:

- Formats, vocabularies, tools
- Online tools and services, workflows