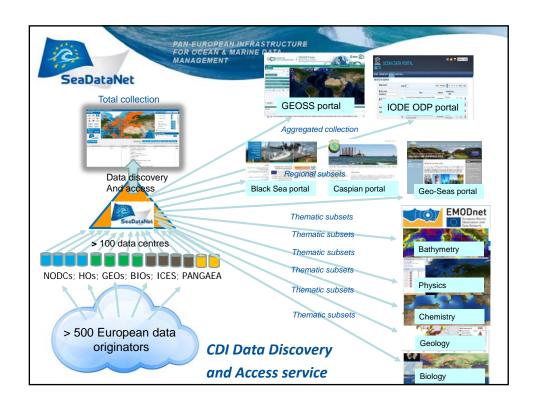
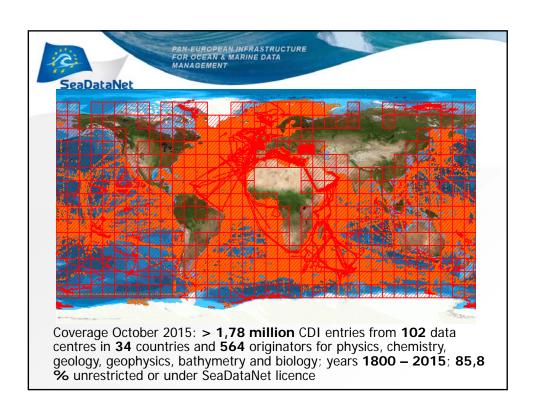


SeaDataNet

- SeaDataNet has set up and operates a pan-European infrastructure for managing marine and ocean data by connecting National Oceanographic Data Centres (NODCs) and oceanographic data focal points from 35 countries bordering European seas
- Set of common standards for metadata and data formats for the marine domain, adapting ISO and OGC standards and achieving INSPIRE compliance
- Controlled vocabularies for the marine domain (> 160.000 terms over > 60 lists)
- Maintenance and dissemination of standard QA-QC procedures, with IODE and ICES
- Set of tools to be used by each data centre capacity building and standardisation
- Services for discovery, access, visualisation and data products
- International ODIP cooperation with USA and Australia for common standards and interoperability solutions









SeaDataNet

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



SeaDataNet

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



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

SeaDataNet

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
 - 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



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

SeaDataNet

- 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