

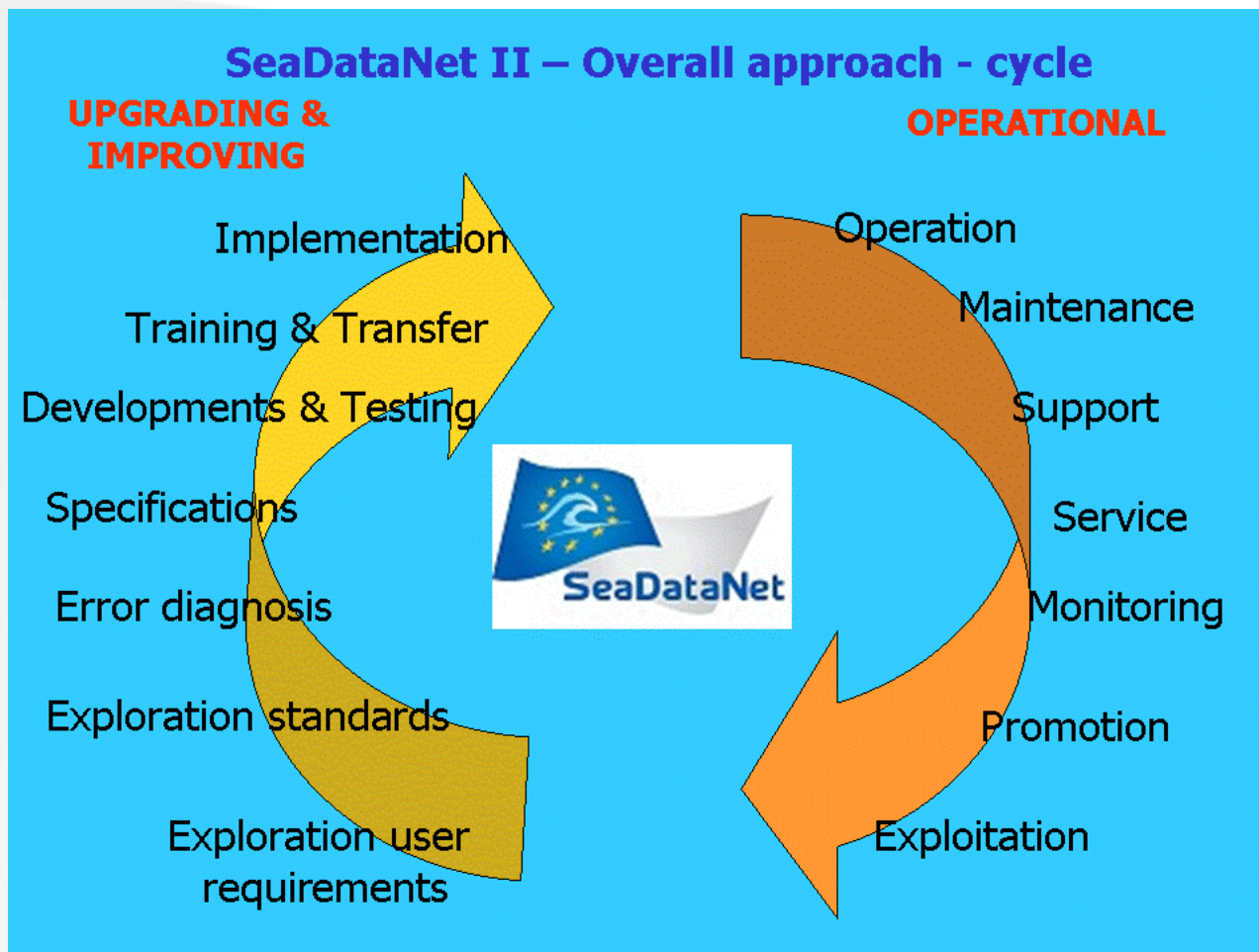


SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

***WP8 – WP9 Overview of standards and
software developments***

Dick Schaap (MARIS) – Plenary Meeting – Rhodes – 20 September 2012



Milestones

- **M18:** End of 1st innovation cycle - portal services and SeaDataNet data centres make use of CS-W harvesting and ISO 19139. Exchange of ISO 19139 metadata between SeaDataNet portals and INSPIRE, IODE ODP and GEOSS portals
- **M24:** Regular aggregation of metadata and data following specified user community profiles and delivery from machine to machine
- **M40:** Interaction between SeaDataNet portals and IODE ODP and GEOSS portals for retrieving and giving access to data sets next to metadata exchange
- **M42:** End of 2nd innovation cycle – Upgraded central CDI data discovery and access service with capabilities for handling O&M and SensorML profiles, new visualisation services and more data types.

WP8 - standards

- To specify and govern additional and upgraded data formats
 - Adam Leadbetter – SeaDataNet NetCDF (CF) format
- To maintain, extend and govern of Common Vocabularies
 - Adam Leadbetter – Common Vocabularies Version 2
- To define ISO 19139 Schema based XML formats for the SeaDataNet metadata formats for CDI and CSR, including INSPIRE compliance
 - Enrico Boldrini – ISO-19139 for CDI and CSR
- To define an extended metadata format for the CDI to support operational oceanography and other specific applications
 - Mihai Burca – Geo-Seas CDI extension (SensorML and O&M) for seismic data
- To define an extended metadata format for CDI to support handling of marine biological data
 - Klaas Deneudt – Progress with biological formatting

WP9 - software

- To deliver tools and services to support robust access to a wider range of data types, including real-time from acquisition to data centre, with extended functionality and interoperability
 - Peter Thijsse – concepts for machine-to-machine data access
- To upgrade the ODV analysis and visualisation software
 - Reiner Schlitzer – ODV developments and CDI duplicates analysis
- To upgrade the DIVA statistical analysis and interpolation software and the OceanBrowser visualisation services for data products
 - Charles Troupin – DIVA - OceanBrowser developments
- To deliver tools and services to support improved and upgraded maintenance of the SeaDataNet metadata directories
 - Michele Fichaut - NEMO – MIKADO developments
 - Thomas Loubrieu – Sextant Data Products Catalogue
- To deliver interoperability solutions with other initiatives, such as the IODE Ocean Data Portal and GEOSS