PAN-EUROPEAN INFRASTRUCTURE
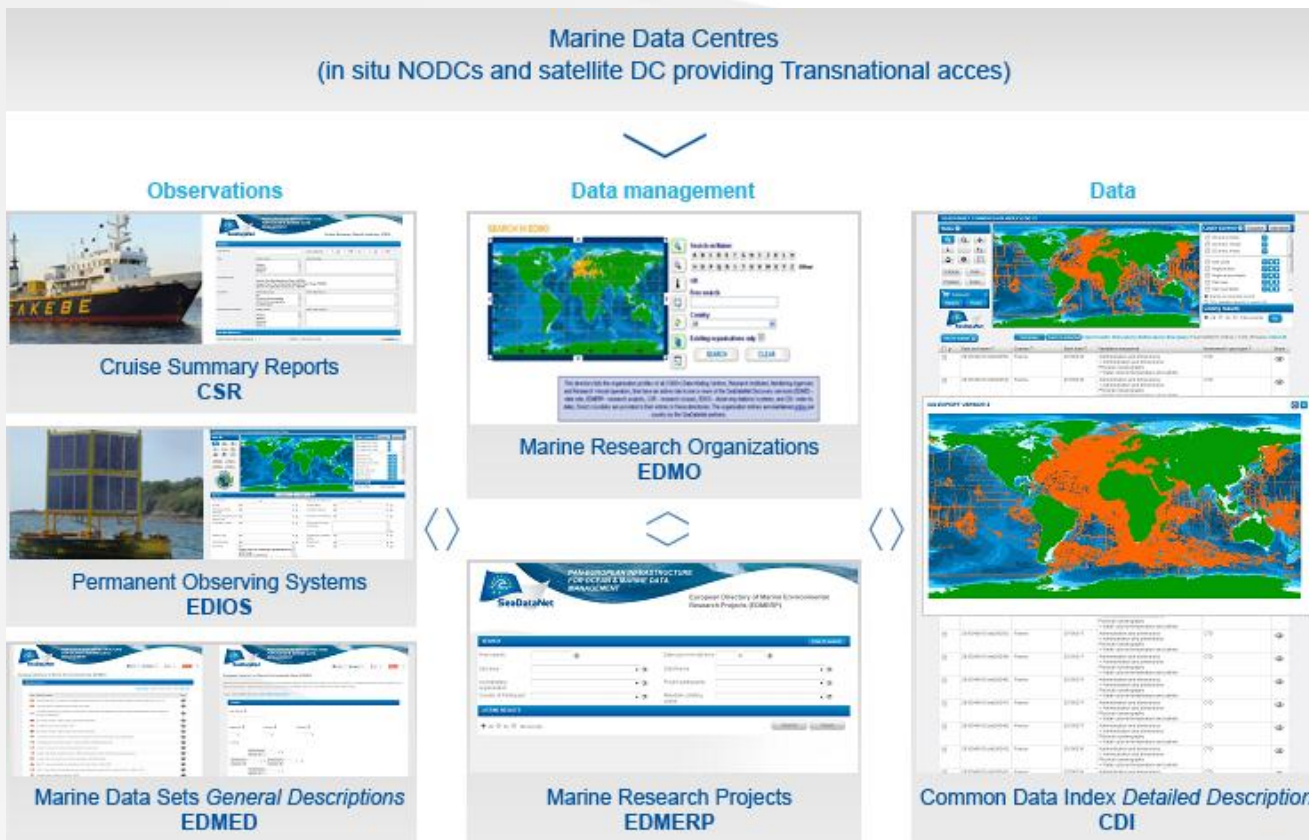FOR OCEAN & MARINE DATA
MANAGEMENT

SeaDataNet

WP4 – Progress on metadata directory - overview

Sissy Iona (HCMR)

Metadata Directories

Background

Version 0: 2006-2007

– Continuation and maintenance of past Sea-Search system

❖ No standardized information

Version 1: 2008-2010

– Setup of the integrated online data service to users :

– The directories were interconnected and fully harmonized in use of syntax, semantics and tools

❖ ISO 19115 metadata standard for all directories

❖ Common vocabs, EDMERP, EDMO and CSR references in the metadata descriptions

– CSR, EDIOS still need content upgrade

Version 2: 2010-2011

– Data product services were added to the infrastructure

– OGC compliant viewing services

– Management of additional data types (EMODNET, Geo-Seas, etc)

SeaDataNet –II (2011-2015)

- Metadata directories (only CDI, CSR) extension with OCG-CS-W components for automatic harvesting from the SDN nodes
- ISO 19139 transport scheme and INSPIRE compliance will be implemented

- Upgrades Status
  - New CDI is ready
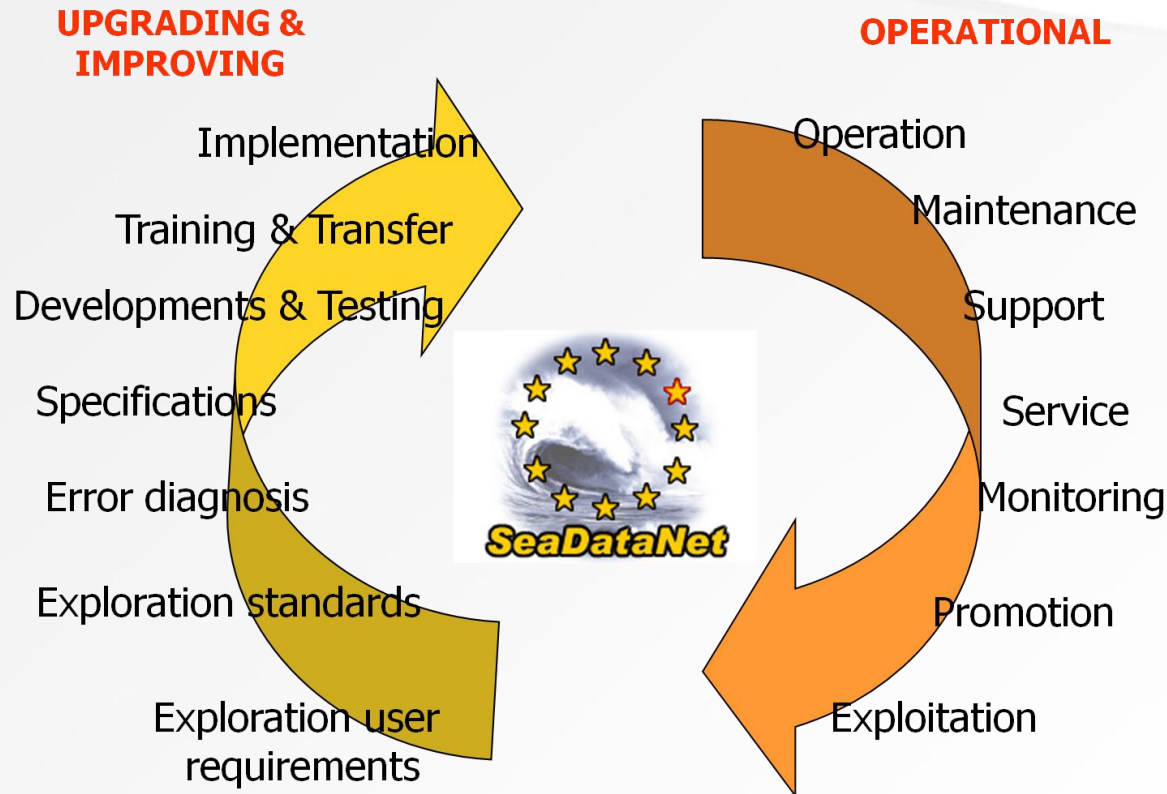 - CSR end of October
  - Mikado, end of 2012

Goal

Operationally robust and state of the art Pan-European infrastructure

UPGRADING & IMPROVING

Implementation

Training & Transfer

Developments & Testing

Specifications

Error diagnosis

Exploration standards

Exploration user requirements

OPERATIONAL

Operation

Maintenance

Support

Service

Monitoring

Promotion

Exploitation

Implementation plan and instructions for the gradual installation of the upgraded components

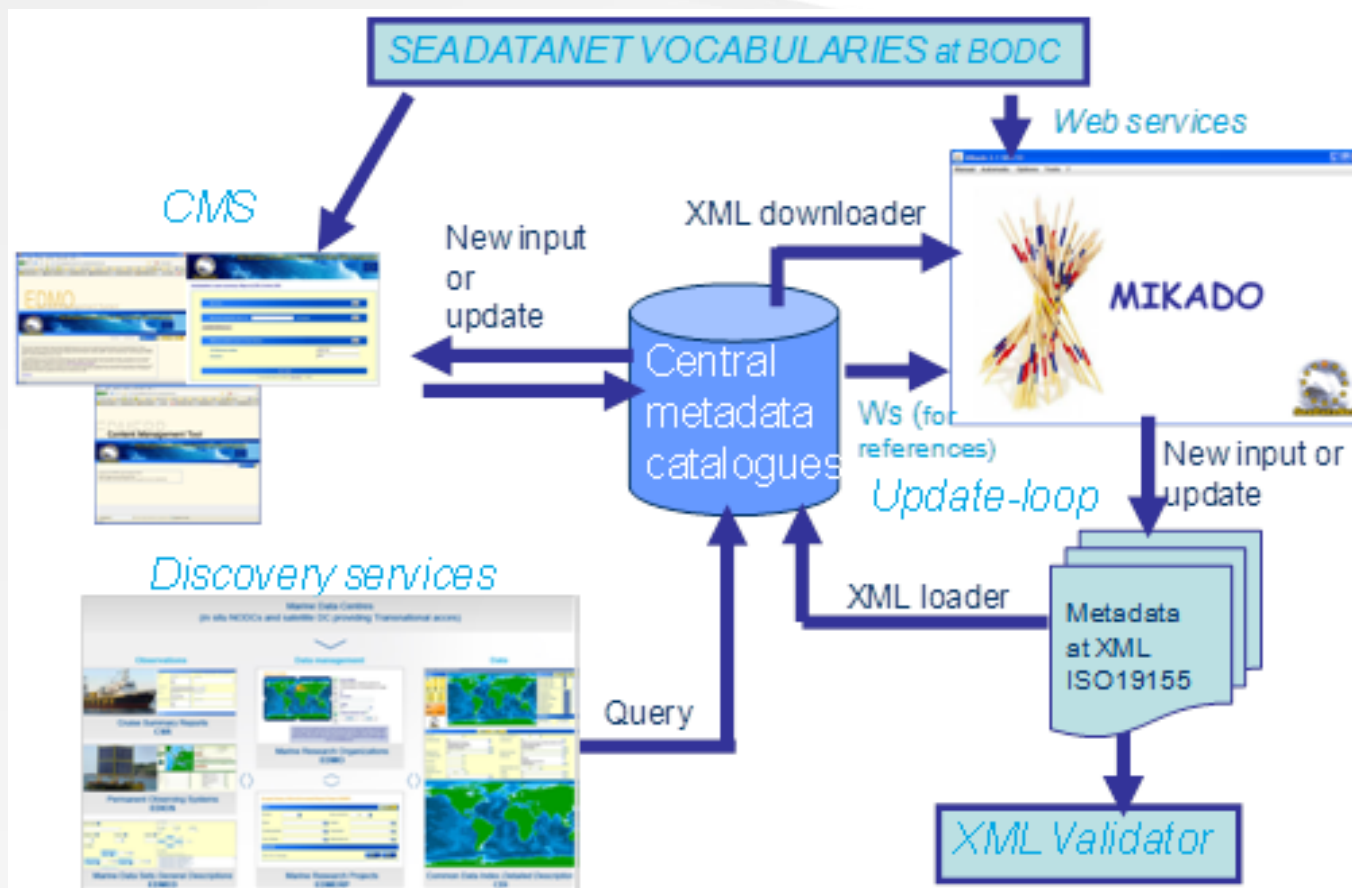| Deliverable	N°	Delivery month	Status	Planned Delivery Date
User manual for updating metadata catalogues	4.6	2	Delivered	
Road Map for the gradual installation of upgraded services per directory	4.1	9	Not Delivered	September
Pilot group of SeaDataNet nodes – gradually install, test and synchronize the upgrades component with the central directories	4.2	11	Not Delivered	January [1 after D9.1]
After successful implementation – final - Final Implementation Plan- with instructions and documentation for installation of upgraded services and switch to operational status	4.3	12	Not Delivered	February after [D4.2]

General maintenance workflow & available tools

sdn-userdesk@seadatanet.org – www.seadatanet.org

Governance

By the SDN national nodes using on-line (like **CMS** forms) and off-line tools (**MIKADO**) that produce XML ISO 19115 compliant exchanges

Directory + pan-European coordinator	Format info	Online CMS	XML exchange from national to pan-European level	XML validation service (Managed by RNODC and BODC http://www.seadatanet.org/validator/)
EDMED (coordinator BODC)	Check EDMED format	No	Mikado	Online
EDMERP (coordinator MARIS)	Check EDMERP format	Online	Mikado	Online
CSR (coordinator BSH)	Check CSR format	Online	Mikado	Online
EDIOS (coordinator BODC)	Check EDIOS format	No	Mikado	Under development
EDMO (coordinator MARIS		Online	No	Not applicable
CDI (coordinator MARIS)	Check CDI format	No	Mikado	Online

Catalogues Content – Progress

Catalogue	01/10/2011	10/09/2012	
EDMO	2094	2266	172
CSR	32113	41396	9283
EDMED	3813	3834	21
EDMERP	2338	2624	286
EDIOS	270	350	80

SeaDataNet

CSR Statistics

- Altogether ~16500 (of 41400) V1 records (10.09.2012)

- that is more than 42% of all CSRs from SDN partners

- On the whole partners have been quite productive

- 15 countries have completed or almost completed (>90%) upgrading to V1:
  Albania(1), Belgium, Bulgaria, Ireland, Israel, Latvia, Lithuania, Malta(5), Portugal, Romania, Slovenia, Spain, Sweden, Tunisia, Ukraine

- about half of the active partners use CSR online

- the other half submit XML records

CSR Submission since SDN II Kick-Off

Since 01.10.2011:

- Online CSR submission/updates from: Belgium, Cyprus, Denmark, Germany, Greece, Netherlands, Norway, Poland, Romania, Sweden, Tunisia, Ukraine (~1000 records: 2/3 updates)

- XML CSR submission/updates from: Belgium, Croatia, France, Germany, Ireland, Italy, Lithuania, Spain, Turkey, Ukraine, United Kingdom
(~5000 records: 45% updates)

- No new submission from several partners after completing their upgrades

- Regrettably a few partners show no activities at all

EDMED V1 - content

- Total entries now: 3834 plus ~25 pending (from 36 SDN partners)

- Not many entries received during the year

- BODC will send out an e-mail requesting updates later this month

- Guidance note on content available (soon to be on website)

- SeaDataNet II 'look and feel' implemented

EDIOS V1

- EDIOS is hierarchical: 3 schemas for observing programmes, series and platforms

- Content received from 11 countries (SDN partners) – approx. 5 of these are complete

- 350 observing programmes comprising 16544 series (points, curves and surfaces)

- Guidance note on content being finalised

- Software under development to enable updates (i.e. comparison of new/updated records with existing records at BODC)

SeaDataNet

EDMO V1

- Currently around 2700 institutes

- 2266 institutes are based within European countries (others are non-eu for support in SDN directories)

- Activity slow but steady

- **Action for NODC's:** make at least once a year a check if addresses and websites are still valid!

EDMERP V1

- 2600+ marine research projects in EDMERP

- Activity is low

- For "new" partners that have not started yet, please contact MARIS for account to EDMERP CMS, or start in MIKADO (instructions in D4.6)

- All partners:

- Please check all existing projects for completeness (e.g. end dates) and add new projects with coordinators from your country

- When needed for CDI files creation, please also create relevant project