

*Kick-off meeting – Athens – 19, 20 October, 2011*



**SeaDataNet**

*PAN-EUROPEAN INFRASTRUCTURE  
FOR OCEAN & MARINE DATA  
MANAGEMENT*

Work plan, milestones and deliverables for the 1<sup>st</sup>  
year: detailed contribution of all partners

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# 1<sup>st</sup> year project planning

## Coordination activities

Work Package description		Year 1					
		2	4	6	8	10	12
WP1	Project management						
1.1	Project management						
1.2	Technical management						
WP2	Project coordination and Infrastructure						
2.1	Full network meetings						
2.2	Steering committee meetings						
2.3	Implementation of the coordination tools						
2.4	System monitoring and metrics						
2,5	Advisory board meetings						
WP3	Capacity building and Training						
3.1	Training and capacity building programme						
3.2	Training course 1						
3.3	Training course 2						
WP4	Installation, configuration and taking into operation of upgraded metadata directories services (EDMED, EDMERP, EDIOS, CSR) Management of the metadata directories						
4.1	Implementation plan and instructions for the gradual installation per meta directory						
4.2	Management of the European directories and discovery services						
4.3	Upgraded MIKADO tool with OGC CS-W harvesting capabilities at SDN data centres						
4.4	Installing OGC CS-W and harvesting services at the central Directory services						
WP5	Installation, configuration and taking into operation of upgraded data discovery, access and viewing services (CDI and data)						
5.1	Management of the CDI, data discovery and access services						
5.2	Connecting new and not yet connected existing data centres to the CDI service						
5.3	Upgraded MIKADO tool with OGC CS-W harvesting capabilities for CDI						
5.4	Upgraded components at the SeaDataNet data centres and central portal						
5.5	New visualisation and data delivery services at the SDN data centres and central portal						
5.6	New machine to machine interface at the SeaDataNet central portal						
WP6	Communication – dissemination – promotion to users, data providers and EU initiatives – organisation initiatives - IPR issues						
6.1	Promotion and Dissemination Plan towards potential users and data providers						
6.2	Dissemination and promotion activities, incl SeaDataNet portal						
6.3	Organising 1 edition of the IMDIS Conference						
6.4	Definition and implementation of strategic promotion						
6.5	Analysis of possible legal models for SeaDataNet for a sustained operation						
6.6	Intellectual Property Rights (IPR)						



# 1<sup>st</sup> year project planning

## Support and RTD activities

Work Package description		Year 1					
		2	4	6	8	10	12
WP7	Services to give Scientific Access to metadata, data, aggregated data sets and data products						
7.1	Operational scientific access services to data, metadata and products						
7.2	Operational access services to data, metadata and products, INSPIRE compliant with OGC-CSW harvesting for metadata updating						
7.3	Operational access services to data, metadata and products with a wider range of datatypes, real time, visualisation services, and machine to machine interfaces						
7.4	Scientific access coordination						
WP8	Specification and governance of standard metadata, data and data product formats, qc methods, common vocabularies and specifications of new services						
8.1	Defining ISO 19139 Schema based XML formats for the SeaDataNet metadata formats						
8.2	Defining an extended metadata format for the CDI to support operational oceanography						
8.3	Defining extended metadata format for CDI to support handling of marine biological data						
8.4	Specification and governance of additional and upgraded data formats						
8.5	Maintenance, extensions and governance of Common Vocabularies						
8.6	Specification of new services for viewing, access to aggregated data sets, machine to machine interactions, and interoperability						
8.7	Method for duplicates management						
WP9	Development and governance of software tools, services and interoperability solutions						
9.1	Upgrading SeaDataNet tools and services applying CS-W and ISO 19139						
9.2	Upgrading SeaDataNet portal services and local software components for data access (including visualisation services, and handling more data types and formats)						
9.3	Developing machine to machine interfacing for various purposes						
9.4	Developing interoperability with global portals (IOC-IODE Ocean Data Portal and GEOSS)						
9.5	Upgrading the Ocean Data View analysis and visualisation software						
9.6	Upgrading the DIVA software and OceanBrowser visualisation services for data products						
WP10	Development and regular updating of standard data products for maritime regions						
10.1	Regional product harmonisation and common services						
10.2	Aggregation of regional data sets and processing of examples products						

## 1<sup>st</sup> year contractual milestones

Milestone	WP	<u>Leader</u> and participants	Delivery date
Kick-off meeting and report	1	<u>IFREMER</u> all	M2
New SDN data centres connected to operational CDI service Not yet connected data centres	5	<u>MARIS/IEO/IODE</u> IMBK – Montenegro RSHU - Russia SHOM – France Tubitak - Turkey UniHb – Germany IBSS – Ukraine ENSSMAL – Algeria INRH –Morocco INSTM – Tunisia INEWI – Albania	M6
1 <sup>st</sup> Training Workshop	3	<u>MUMM/IOC-IODE</u> All data centres	M10

## 1<sup>st</sup> year deliverables (1)

Deliverable	WP	Leader	Delivery month
Signed consortium agreement	1	IFREMER	1
Operational extranet	2	IFREMER	2
User manual for updating metadata catalogues	4	HNODC	2
User manual for updating CDI	5	MARIS	2
Minutes of 1st steering committee and kick-off meeting	1	IFREMER	3
Project plan	1	IFREMER	3
Monitoring plan	2	HNODC	3
Promotion and dissemination plan	6	ENEA	3
Strategic promotion plan	6	JRC	3
Operational monitoring system	2	HNODC	6
New SeaDataNet data centres connected to CDI	5	MARIS	6

## 1<sup>st</sup> year deliverables (2)

Deliverable	WP	Leader	Delivery month
Posters, leaflets and brochures	6	ENEA	6
Electronic newsletters via SeaDataNet Web portal	6	ENEA	6
Report on initial situation concerning IPR (Intellectual Property Rights)	6	MUMM	6
ISO 19139 schemas	8	CNR	6
Minutes of 2 <sup>nd</sup> steering committee	2	IFREMER	8
Implementation plan for the gradual installation of upgraded services	4	HNODC	9
Upgraded MIKADO software	9	IFREMER	9
Upgraded central directory service	9	IFREMER	9
Training course 1	3	MUMM	10
ODV updated version and documentation	9	AWI	10



## 1<sup>st</sup> year deliverables (3)

Deliverable	WP	Leader	Delivery month
Pilot group of SeaDataNet nodes operational with upgraded delivery services	4	HNODC	11
Report on training course 1	1	MUMM	12
Regular metrics analysis reports	2	OGS	12
Revised set of instructions and doc for installation of upgraded services	4	HNODC	12
Central catalogues operational with OGC-WS	4	MARIS	12
Strategic promotion progress report	6	JRC	12
Generic SeaDataNet Software Licence model	6	MUMM	12
Progress report on IPR issues	6	MUMM	12
DIVA updated version and documentation	9	ULG	12
Product : Documentation on common spec., selected parameters, aggregation, control and processing proc.	10	INGV	12

## ***Meetings of Technical task team***

- Twice a year
- 1<sup>st</sup> meeting November 22<sup>nd</sup>-23<sup>rd</sup>, 2011
- Involved people :
  - IFREMER, MARIS (chair), BODC, BSH, SMHI, IEO, HCMR, OGS, RIHMI, ENEA, CLS, AWI, ULG, IMR, NERI, ICES, NIOZ, MUMM, VLIZ, OC-UCY, CNR-IAA, UniHB and subcontractors STFC (via BODC) and UTM-CSIC (via IEO)



## ***Meetings of the steering committee***

- Twice a year, once at same time as plenary
  - Day before yesterday
  - Within 6 months
- Involved people
  - IFREMER (chair), MARIS (chair), BODC, BSH, HCMR, OGS, RIHMI, ENEA, INGV, AWI, ULG, ICES, JRC, MUMM, VLIZ
  - Regional coordinators for products : SMHI, METU-IMS, IMR, IFREMER, MUMM, INGV

## ***Other meetings***

- **Advisory group meetings**
  - Once a year at plenary meetings
  - Involved people
    - JRC (chair), Advisors
- **Coordination group meeting**
  - Once a year
  - All members : partners, subcontractors, advisory board, associate partner

## ***Training courses***

- 1<sup>st</sup> training course : due on M10, July 2-6, 2012
  - For data managers and technicians on upgraded common standards, data management procedures, and installing and using upgraded system components and tools
- Involved people : leader MUMM/IOC-IODE
  - Trainees
    - RIHMI, ENEA, METU-IMS, IMR, NERI, ICES, MI, IHPT, NIOZ, VLIZ, MRI, FMI, MSI, LHEI, EPA, MHI, IO-BAS, NIRMD, TSU-DNA, IOF, NIB, IOI-MOC, OC-UCY, IOLR, CNR, IBSS, UniHB, TUBITAK, IMGW, SMHI,
    - ENSSMAL, INRH, INSTM, SHOM, INEWI, IMBK, RSHU
  - Trainers
    - IFREMER, MARIS, BODC, BSH, HCMR, AWI, ULG, SIO-RAS, IEO, OGS

## *Meetings of the product regional groups*

- Twice during the duration of the project
  - At a longer term M18 and M36

Sea Region	Chair	Involved partners
Arctic waters	IMR	RIHMI, ULG, ICES, MRI, SIO-RAS, UniHB
North Atlantic ocean	IFREMER	BODC, BSH, IEO, RIHMI, INGV, ULG, IMR, NERI, ICES, MI, IHPT, NIOZ, MRI, UniHB
Mediterranean Sea	INGV	IFREMER, IEO, HCMR, OGS, ENEA, INGV, METU-IMS, ULG, IOF, NIB, IOU-MOC, OC-UCY, IOLR, CNR, TUNITAK
Black Sea	METU-IMS	RIHMI, INGV, METU-IMS, ULG, SIO-RAS, MHI, IO-BAS, NIMRD, TSU-DNA, IBSS, TUBITAK
North Sea	MUMM	IFREMER, BODC, BSH, INGV, ULG, IMR, NERI, ICES, NIOZ, MUMM, VLIZ, MRI, UniHb
Baltic Sea	SMHI	BSH, INGV, ULG, NERI, ICES, FMI, IMGW, MSI, LHEI, EPA, SIO-RAS, UniHB

## ***Already connected data centres***

- All partners make sure that the connection to CDI are still operational and that data are downloadable
- Update of the catalogues
  - Continuous maintenance of EDMED, EDMERP, EDMO, CDI and CSR
- Focus on EDIOS descriptions and produce EDIOS programmes, series and platforms XML files to be sent to BODC as soon as possible

## ***New data centres and not yet connected data centres***

- Focus on the connection to the CDI system (data access)
  - Assistance of MARIS ([cdi-support@maris.nl](mailto:cdi-support@maris.nl)) and of IEO, OGS, SIO-RAS
  - Installation of mandatory tools
- Generation of XML descriptions for all catalogues using the MIKADO tool
  - Assistance of [sdn-userdesk@seadatanet.org](mailto:sdn-userdesk@seadatanet.org)
- Test of the full process on some examples of each catalogues