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

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Project Overview, Management and organisation (WP1), Project coordination (WP2) Web site

M. Fichaut

Overview

- SeaDataNet 2 key figures and partnership
- Brief summary of SeaDataNet
- SeaDataNet 2 overview
- SeaDataNet 2 management
- SeaDataNet 2 coordination
- Reporting to EU
- Status of the grant agreement and 1st payment

SeaDataNet 2 : Key figures

- Start 1st of October 2011
- Duration 4 years
- Budget 6 M€
- 44 partners from 30 countries
- 14 subcontractors
- 1 associate partner
- Total of 35 countries represented
- 59 participants, 45 data centres
- 602 man/month

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

- 44 partners from 30 countries
- 14 subcontractors from 13 countries
- 1 associate partner
- 59 participants from 35 countries

SeaDataNet 2 partnership

- Only 1 partner of SeaDataNet missing : Lebanon, CNR
- 5 subcontractors were partners in SeaDataNet
  - IOC-IODE – International (IFREMER)
  - INRH – Morocco – (IEO)
  - ENSSMAL – Algeria (IEO)
  - INSTM - Tunisia (IEO)
  - INEWI – Albania (OGS)
- 10 newcomers
  - **4 partners**
  - UniHb – Germany
  - Tubitak – Turkey
  - CNR-IIA – Italy
  - IBSS – Ukraine
  - **6 sub-contractors**
  - IMBK – Montenegro (OGS)
  - RSHU - Russia (SIO-RAS)
  - UTM-CSIC – Spain (IEO)
  - SHOM – France (IFREMER)
  - STFC – United Kingdom (BODC)
  - Eu-Consult – Netherlands (MARIS)
- 1 associate partner
  - IOPAN - Poland

SeaDataNet : a very brief summary

- Objective
  - to develop an efficient **data management infrastructure able to handle the diversity and large volume of data** collected via the Pan-European oceanographic fleet and the new observation systems, both in real-time and delayed mode
- It is **based on a semi-distributed system** that incorporates and enhance the existing NODC network and satellite data centres.
- A major technical development activity will enable the **data centres to interact as a virtual data centre, able to deliver integrated data, meta-data and products** of controlled quality **through a unique portal**

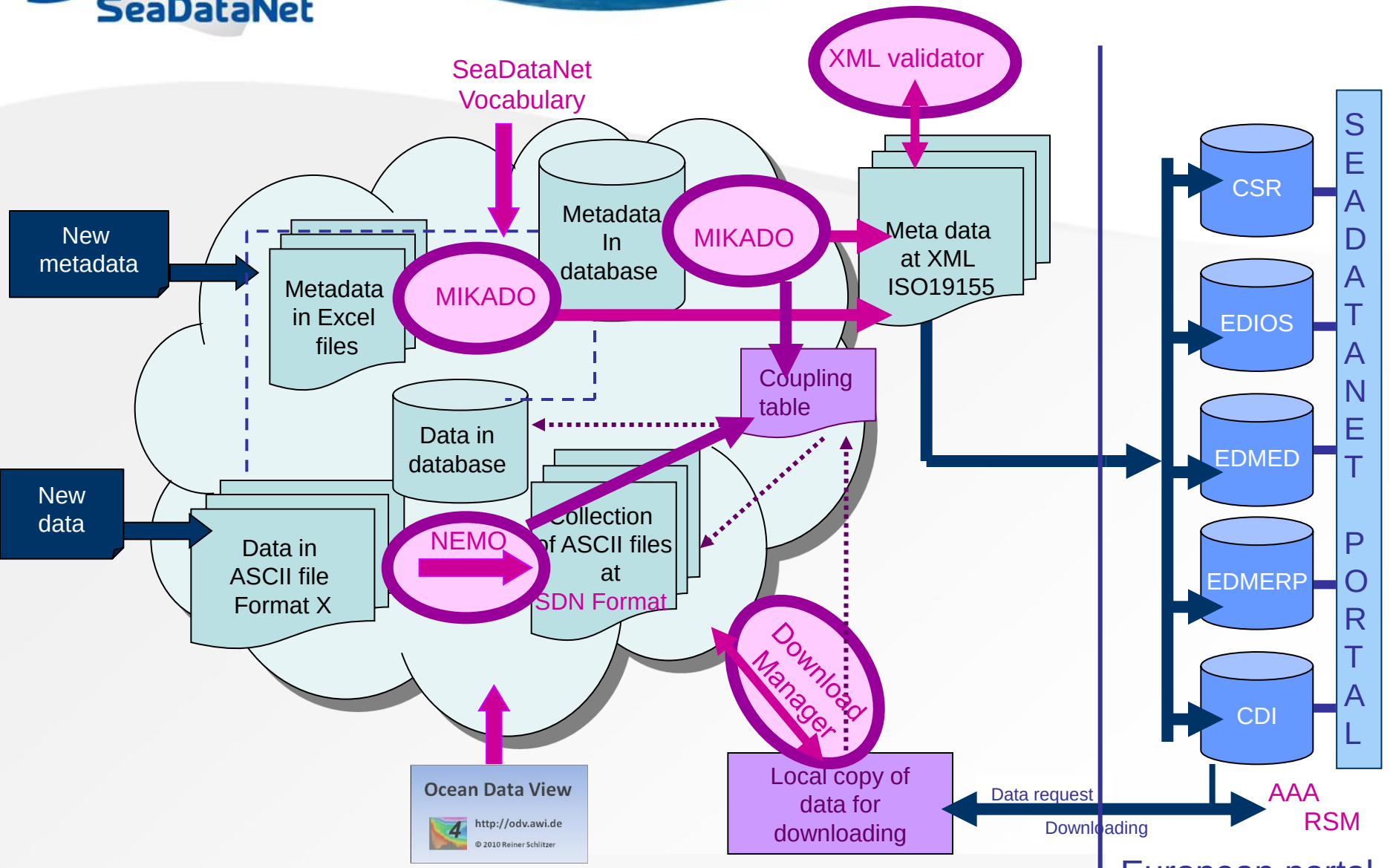
SeaDataNet : a very brief summary

- To reach the objectives the main accomplishments were
  - Development of common standards :
    - Vocabularies
    - Transport formats
  - European catalogues with standardised XML ISO-19115 descriptions
  - One unique portal to access all data : virtual data centre
  - Set of tools to be implemented in each data centre
    - MIKADO : generator of XML descriptions of SeaDataNet catalogues
    - NEMO : reformatting software to SeaDataNet formats
    - Download Manager : downloading software
    - ODV : Ocean data view adapted to SeaDataNet needs
    - DIVA : for product generation adapted to SeaDataNet needs

SeaDataNet : a very brief summary

- 6 European catalogues
  - **EDMO** : European Directory of Marine Organisations
    - 1 organisation or 1 department/laboratory of one organisation – SISMER
  - **CSR** : Cruise Summary Reports
    - 1 cruise = 1 report
  - **EDMED** : European Directory of Marine Environmental Datasets
    - 1 set of data : 1 EDMED - MEDAR/MEDATLAS database
  - **EDMERP** : European Directory of Marine Environmental Research projects
    - 1 project = 1 EDMERP - SeaDataNet
  - **EDIOS** : European Directory of Initial Observing Systems
    - 1 permanent observatory = 1 EDIOS series - a network of meteorological buoys
  - **CDI** : Common Data Index
    - 1 point or one time series or 1 trajectory = 1 CDI
      - CTD station, 1 current meter series, 1 trajectory of TSG

SeaDataNet


SeaDataNet
Vocabulary
XML validator
New
metadata
Metadata
in Excel
files
MIKADO
Metadata
In
database
MIKADO
Meta data
at XML
ISO19155
Coupling
table
Data in
database
New
data
Data in
ASCII file
Format X
NEMO
Collection
of ASCII files
at
SDN Format
Download
Manager
Ocean Data View
http://odv.awi.de
© 2010 Reiner Schlitzer
Local copy of
data for
downloading
Data request
Downloading
AAA
RSM
CSR
EDIOS
EDMED
EDMERP
CDI
SEADATANET PORTAL
Data centres
European portal

Available now, in SeaDataNet catalogues

Catalogue	Total number of entries
EDMO : Marine organisations	2094
CSR : Cruises	32 113
EDMED : Data sets	3 813
EDMERP : Projects	2 338
EDIOS : Permanent observatories	*294*
CDI : Data	1 053 706
Number of data centres connected	65

SeaDataNet 2 : Objectives

- The overall objective of the SeaDataNet II project is to **upgrade the present SeaDataNet infrastructure** into an **operationally robust and state-of-the-art** Pan-European infrastructure for providing up-to-date and high quality access to ocean and marine metadata, data and data products by :
  - setting, adopting and promoting common data management standards
  - realizing technical and semantic interoperability with other relevant data management systems and initiatives on behalf of science, environmental management, policy making, and economy.

SeaDataNet - SeaDataNet 2, what's new?

- **Operational** update of the SeaDataNet catalogues (CDI, EDMED, EDMERP, EDIOS, CSR) using OGC CSW (Catalogue Service for the Web)
- INSPIRE directive compliance : **ISO-19139** standard for XML description of the catalogues
- **Machine to machine interface** for data and product distribution to regular end-users (operational oceanography)
- **Duplicate management, Data preview** before downloading
- Improve capability for handling also **marine biological data** in close cooperation with EurOBIS, MarBEF, and LifeWatch initiatives
- Product : aggregated data sets at full basin scale **using the datasets made available via the SeaDataNet infrastructure**
- **Development of true synergies with other projects** Eurofleets, Jerico, MyOcean

SeaDataNet 2 : 3 types of activities

- FP7 : Infrastructure, Multidisciplinary Marine Data Centres
- 3 types of activities
  - Coordination *corresponding to* FP6 - Networking activities (NA)
  - Support *corresponding to* FP6 Transnational Access (TA)
  - Research and Technical development (RTD) *corresponding to* FP6 Joint research activities (JRA)

SeaDataNet 2 : 10 work-packages

- Coordination, 6 work-packages
  - WP1 : Management (IFREMER)
  - WP 2 : Project coordination and infrastructure management and monitoring (IFREMER)
  - WP3 : Capacity building and training (MUMM)
  - WP4 : Installation, configuration and taking in operation of upgraded metadata directories services (HNODC)
  - WP5 : Data discovery, access and viewing services (CDI and data sets), management of the CDI directory (MARIS)
  - Communication, dissemination, promotion to users, data providers and EU initiatives (ENEA)

SeaDataNet 2 : 10 work-packages

- Support, 1 work-package
  - WP7 : Services to give scientific access to metadata, data, aggregated data sets and data products (OGS)
- Research and technical development, 3 work-packages
  - WP8 : Specification and governance of standard metadata, data and data product formats, qc methods, common vocabularies and specification of new services (BODC)
  - WP9 : Development and governance of software tools, services and interoperability solutions (MARIS)
  - WP10 :Development and regular updating of standard data products for maritime regions the Arctic waters, the North Sea, the North Atlantic Ocean, the Baltic Sea, the Mediterranean Sea and the Black Sea (INGV)

Management : documents

- Grant agreement
  - Forms A
  - Annexe I : Description Of Work
  - Annexes II to VII
- Consortium agreement
  - in preparation
- Contracts with subcontractors (still to be done)

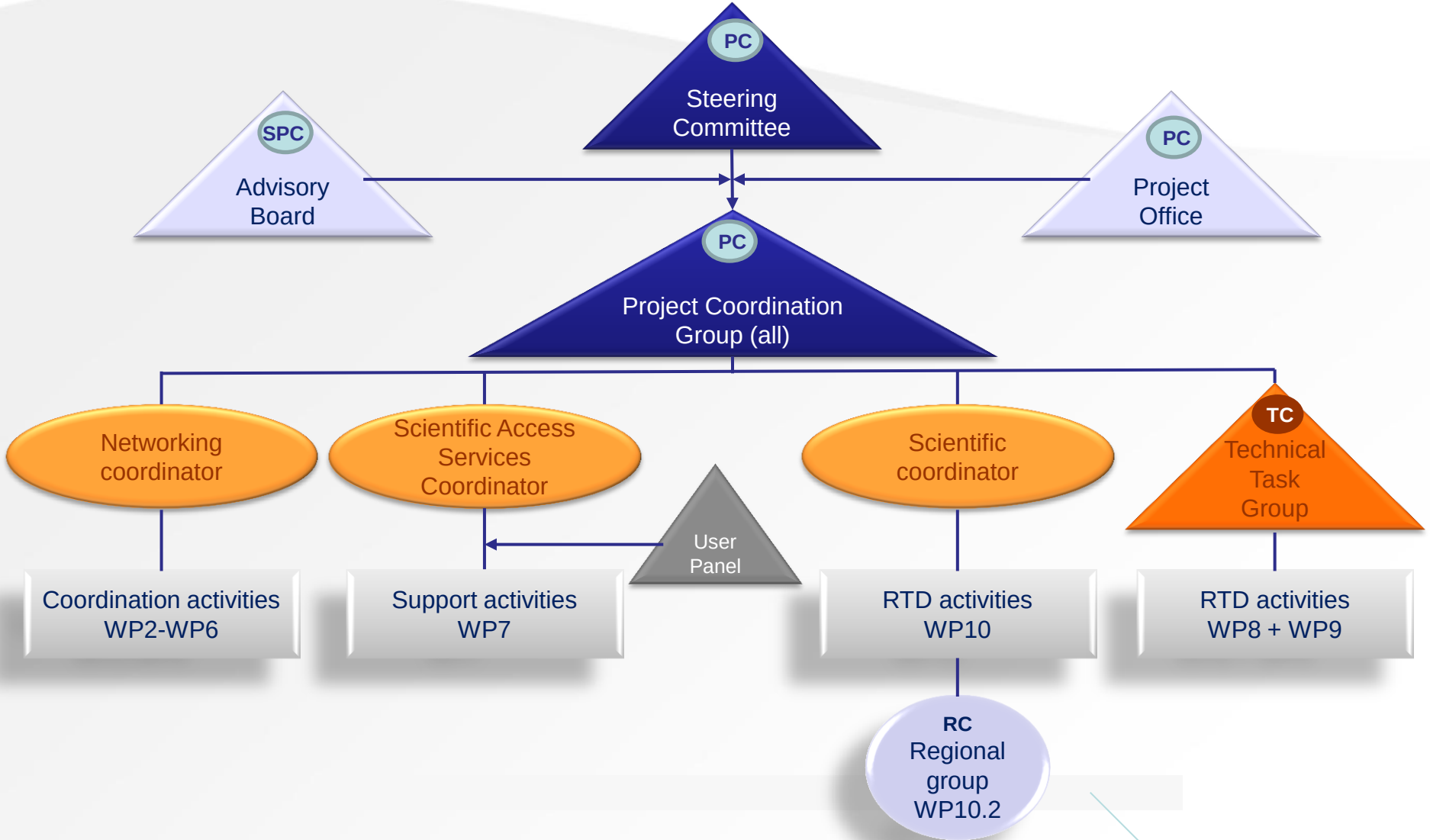
Management : Structure

- Key-people :
  - EU project officer : Agnès Robin
  - Project coordinator (PC - IFREMER)
  - Technical coordinator (TC - MARIS)
  - Networking coordinator (NC - HCMR/HNODC)
  - Scientific coordinator (SC – ULG)
  - Scientific access service coordinator (SASC - OGS) → User panel
  - Strategic promotion coordinator(SPC - IES-JRC)
  - Work-package leaders
  - Regional coordinators for products (RC)

Management : Structure

- Key-committees:
  - Steering committee (StC)
    - PC, TC, NC, SC, SASC, SPC, WP leaders, RC
    - RIHMI-WDC (IOC/IODE ocean portal), ICES (MSFD : Marine Strategy Framework Directive), VLIZ (Marine biological data management)
  - Project office (PO for supporting PC and StC)
  - Technical task group (TTG)
  - Advisory group (group of external experts)
  - Project coordination group of all partners and subcontractors

ORGANIGRAM


PC
Steering Committee
SPC
Advisory Board
PC
Project Office
PC
Project Coordination Group (all)
Networking coordinator
Scientific Access Services Coordinator
Scientific coordinator
TC
Technical Task Group
User Panel
Coordination activities WP2-WP6
Support activities WP7
RTD activities WP10
RTD activities WP8 + WP9
RC
Regional group WP10.2

Management : 2 decision levels

- Strategic level, to manage the overall strategy and financial, scientific and technical progress represented by:
  - Steering committee
  - Project coordinator
  - Technical coordinator
- Operational level, to implement the scientific and technical activities necessary to achieve the objectives represented by:
  - Project office
  - Work-package leaders

Coordination : foreseen meetings

Group	Number of meetings	Comment
Coordination group	5	Kick-off + 4 annual meeting
Steering committee	9	Twice a year + final meeting
Advisory board	5	Kick-off + 4 annual meetings
Technical Task Group	at least 8	Twice a year
Regional groups for products	2	Twice : M18 and M36

Coordination group meetings

- All group:
  - Partners, subcontractors, advisory group and associate partner
- Roles:
  - Discuss and tune the content and coherence of the work plan activities (WPA)
  - Monitor and evaluate the progress of the WPA
  - Stimulated collaboration, exchange of knowledge and expertise between partners
  - Discuss and prepare the long term arrangements for sustaining SeaDataNet infrastructure

Steering committee meetings

- Roles
  - Coordinate all project activities and define priorities
  - Take decisions regarding scientific and technical issues, financial issues and person power planning
  - Monitor the progress of scientific and technical activities within the Work-package
- Communication to the full group
  - Agenda of the steering committee distributed before
  - Minutes of the meeting distributed after

Advisory board : roles

- To assist the steering committee
- To contributes to reviews and give advice on
  - Standards and protocols
  - Technical solutions
  - Quality of services and products
  - Training and capacity building
  - Dissemination and promotion
  - Sustainability options

Advisory board : composition

- Maximum 4 members, high level experts in marine data management
  - Margarita Conkright-Gregg, director of US NODC
  - Bob Keeley, JCOMM consultant
  - Stephen Miller, SCRIPPS, R2R project coordinator (Rolling deck to Repository)
  - Edward Vandenberghe, OBIS executive director (Ocean Biogeographic Information System)

Coordination : tools

- Mailing lists
  1. sdn2-partners@seadatanet.org :
  2. sdn2-subcontractors@seadatanet.org
  3. sdn2-advisoryboard@seadatanet.org
  4. sdn2-all@seadatanet.org : 1+2+3+IOPAN
  5. sdn2-stcom@seadatanet.org : steering committee
  6. sdn2-tech@seadatanet.org : technical group
  7. sdn2-po@seadatanet.org : project office
  8. **sdn-userdesk@seadatanet.org**

Coordination : mailing lists

- To know who are the subscribers of one list
  - Send an email to sympa@listes.seadatanet.org
  - With subject or body: REVIEW *list_name*
  - *In return, email containing the subscribers of the list*
    - *Example : if subject = Review sdn2-po gives the following answer :*

Subscribers to sdn2-po@listes.seadatanet.org are :
gilbert.maudire@ifremer.fr - Gilbert Maudire - Ifremer - mail
marie.pierre.zelverte@ifremer.fr - Marie Pierre Zelverte - Ifremer - mail
martine.morvan@ifremer.fr - Martine Morvan, Ifremer - mail
michele.fichaut@ifremer.fr - Michle FICHAUT, Ifremer - mail
vanessa.tosello@ifremer.fr - Vanessa Tosello - Ifremer - mail

Number of subscribers : 5

Coordination tools

- Extranet for the project
  - Open source **Alfresco share**
  - Available from the web site
  - Restricted access
    - 2 levels :
      - Partners : all documents including contract
      - All other participants : all documents except contract
  - Start content
    - Recovery of technical documents from SeaDataNet
    - Contract

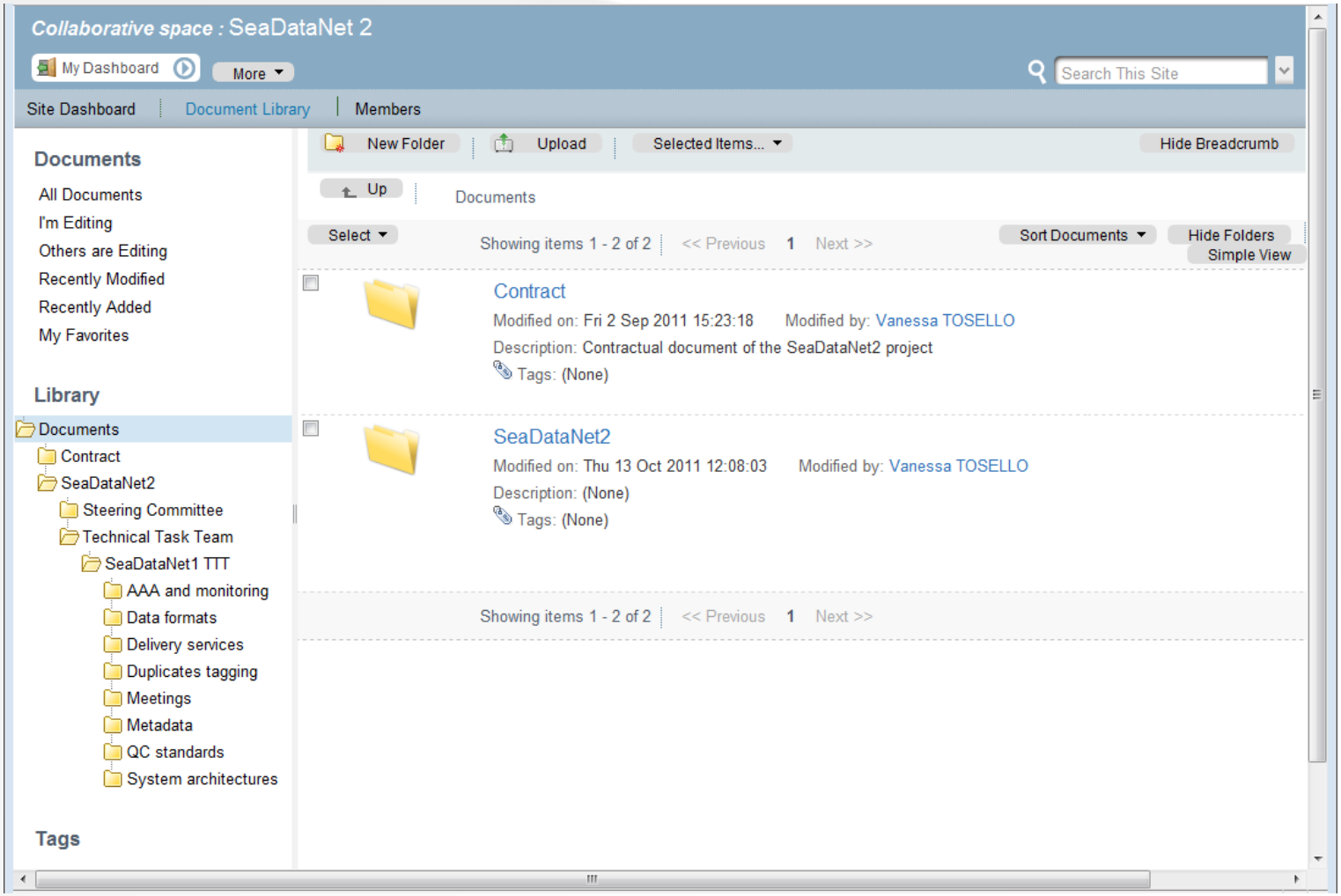
Access to Alfresco share

- Former SeaDataNet partners
  - Use the same login/password than for SeaDataNet
- Newcomers
  - With extranet login to SeaDataNet CDI
    - Send an email to sdn-userdesk@seadatanet.org to get an access to Alfresco
  - Without extranet login to SeaDataNet CDI : 2 steps
    - Get a SeaDataNet login : http://www.ifremer.fr/AAAServices/
    - Send an email to sdn-userdesk@seadatanet.org to get an access to Alfresco

Roles in Alfresco share

- Administrator = IFREMER
  - Creation and management of the project : user registration, definition of user rights, etc.
  - All rights on all documents
- Collaborators
  - Management of documents
    - Creation and modification of any documents
    - Suppression and move of their own documents
- Readers
  - Read and download the documents

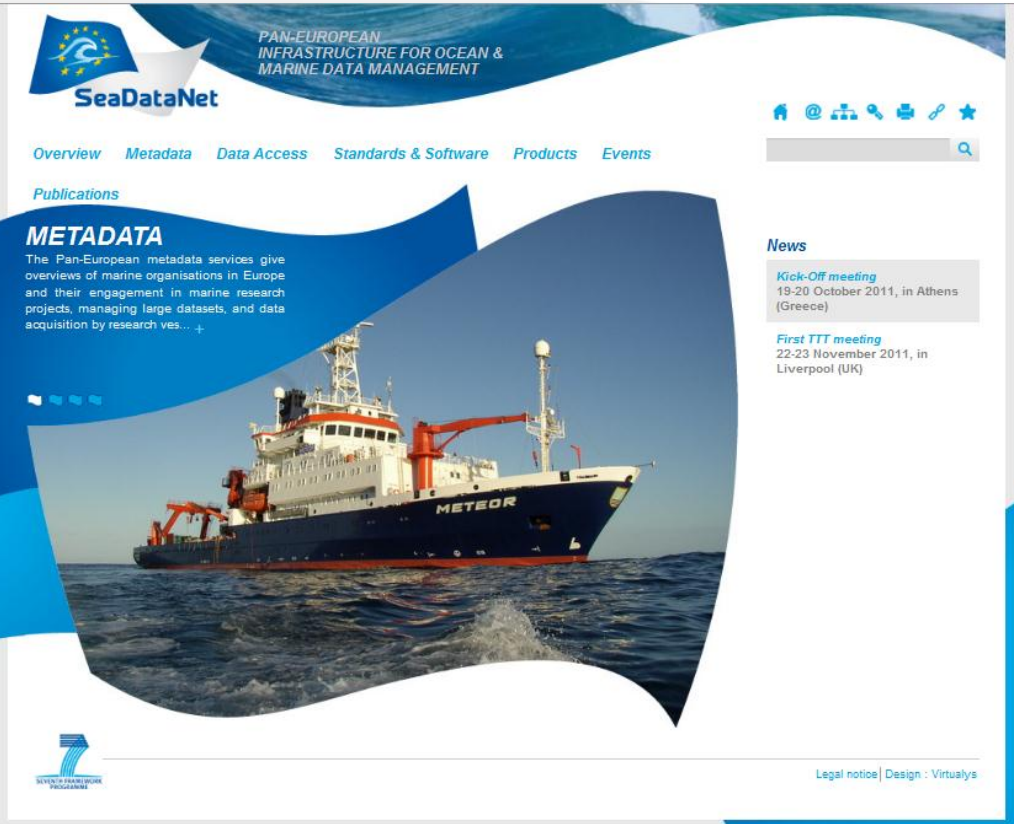
SeaDataNet 2 – Extranet – Alfresco Share



Coordination tools : Web site

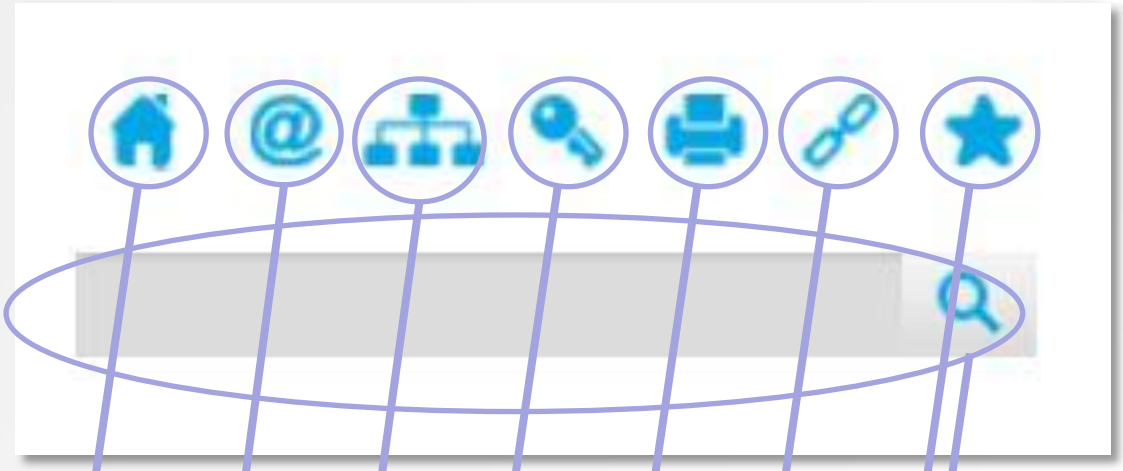
- Web site (under development)
  - New design (done)
  - Content
    - under development
      - Overview
    - Recovery from SeaDataNet
      - Data access, Metadata, Standard and software
  - Will have the same http address as the former Website : http://www.seadatanet.org
  - Previous Web-site still available at : http://sdn1.seadatanet.org

The new Website : home page



The new Website : internal pages

The new Website : tools



Home

Send an e-mail to Access Sea Data Management

Access Sea Data Management

Add the web site to your bookmarks

Search in the Web site

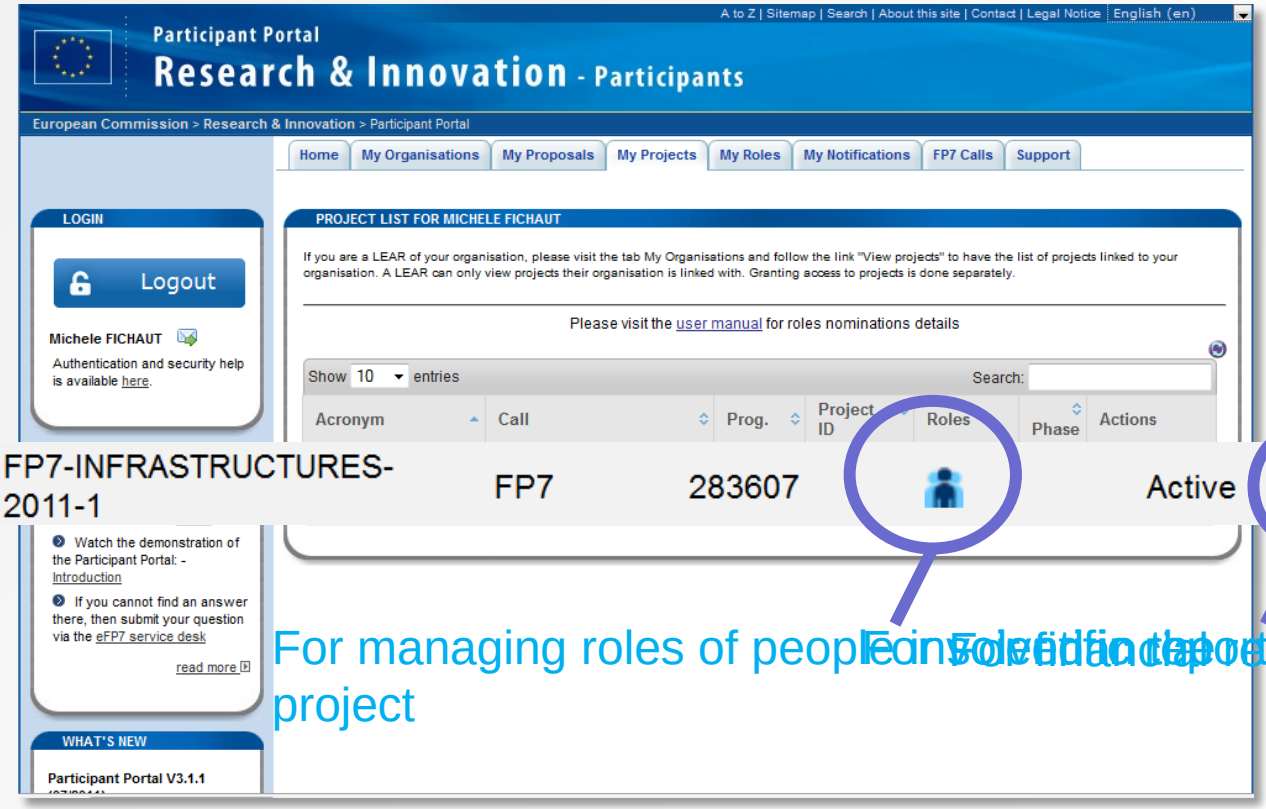
Reporting to EU : planning

- In FP7 reporting does not need to be annual
- 3 reporting during the project
  - From 01/10/2011 to 31/03/2013
  - From 01/04/2013 to 30/09/2014
  - From 01/10/2014 to 30/09/2015

Reporting to EU : tools

- Participant portal

https://ec.europa.eu/research/participants/portal/appmanager/participants



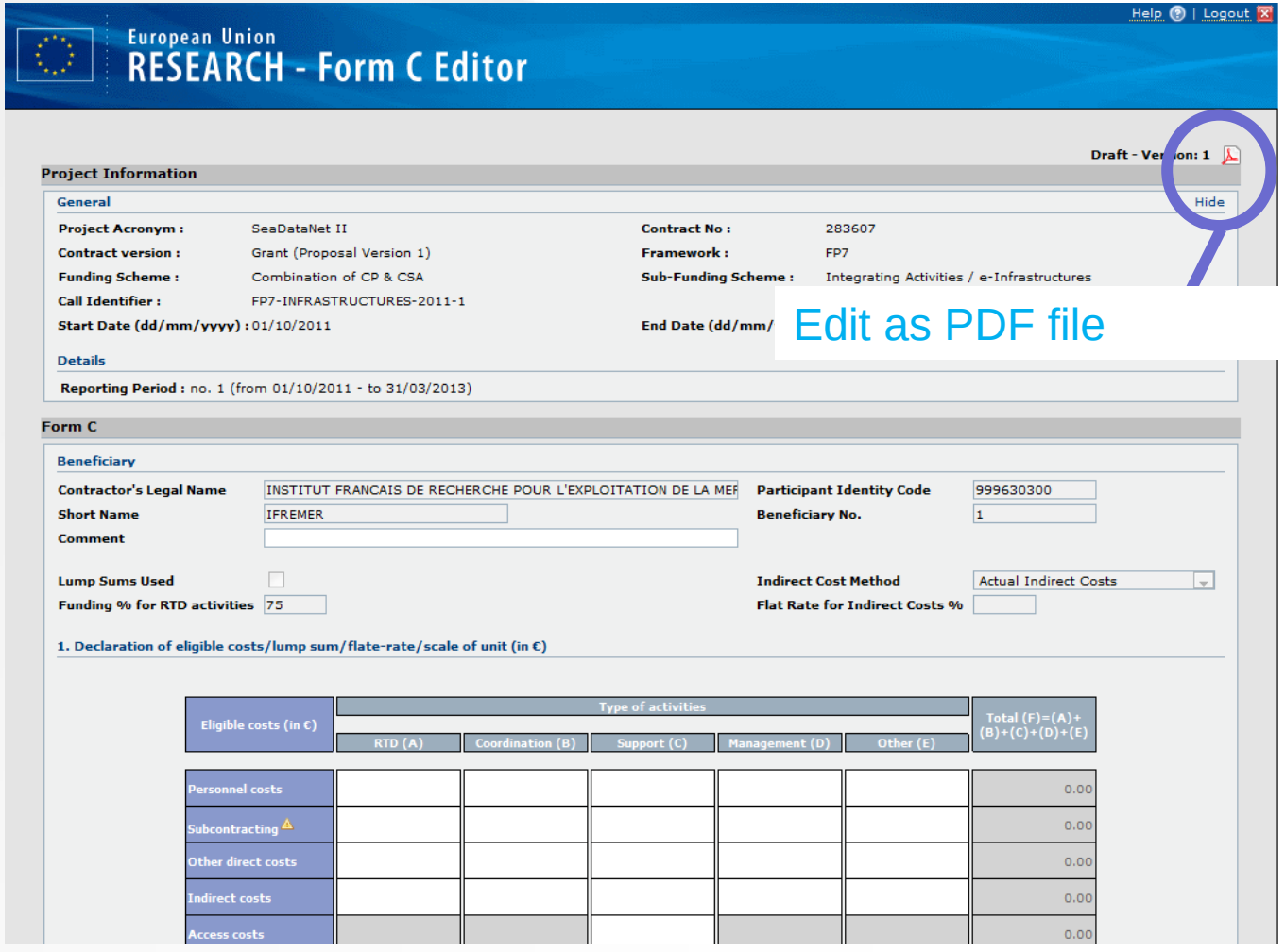
SeaDataNet II

For managing roles of people involved in the reporting project

For filling the reporting

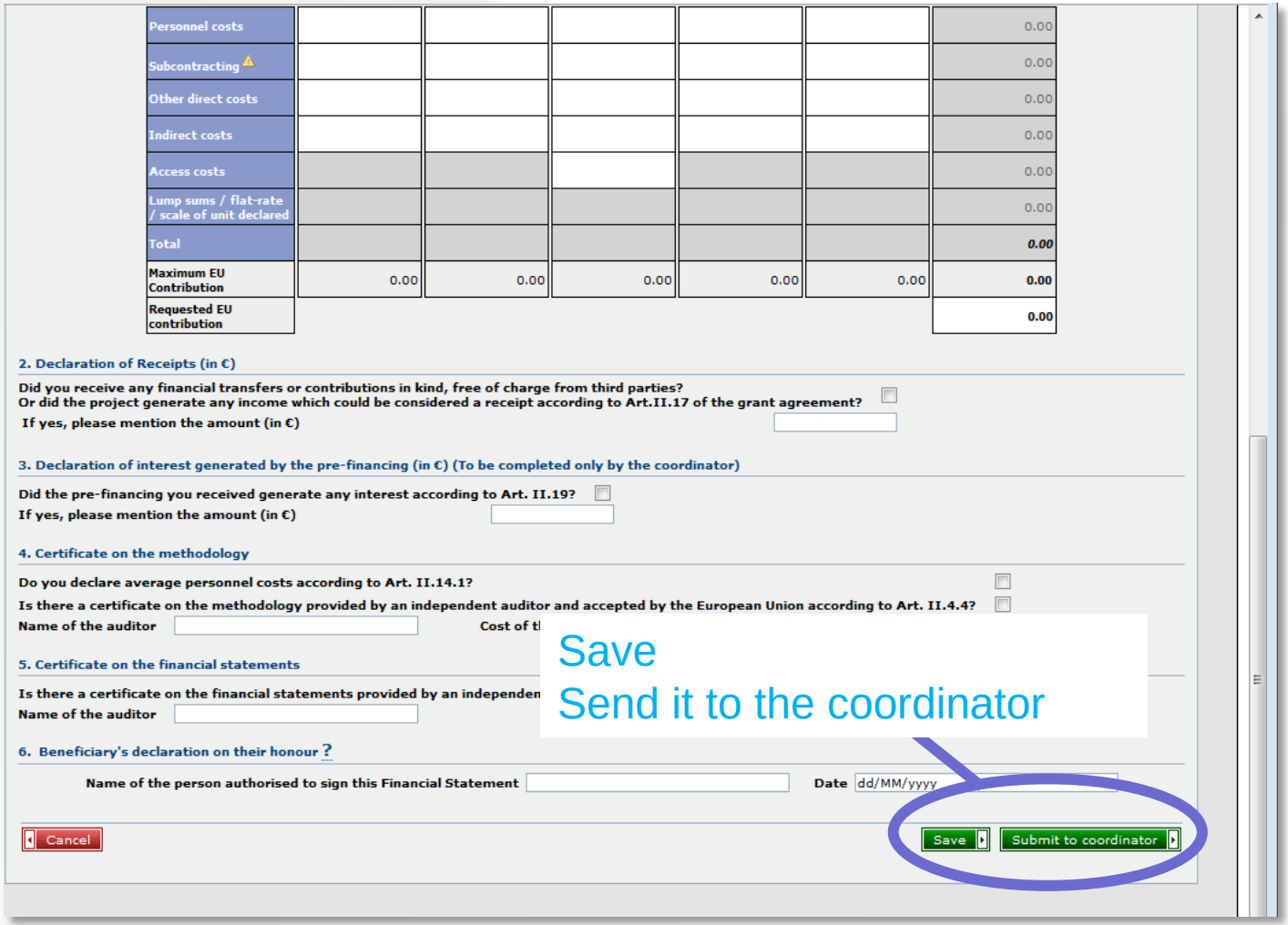
Reporting to EU : financial reporting

- Forms C editor



Reporting to EU : financial reporting

- Forms C editor



Personnel costs						0.00
Subcontracting ⚠						0.00
Other direct costs						0.00
Indirect costs						0.00
Access costs						0.00
Lump sums / flat-rate / scale of unit declared						0.00
Total						*0.00*
Maximum EU Contribution	0.00	0.00	0.00	0.00	0.00	0.00
Requested EU contribution						0.00

2. Declaration of Receipts (in €)

Did you receive any financial transfers or contributions in kind, free of charge from third parties?
Or did the project generate any income which could be considered a receipt according to Art.II.17 of the grant agreement?

If yes, please mention the amount (in €)

3. Declaration of interest generated by the pre-financing (in €) (To be completed only by the coordinator)

Did the pre-financing you received generate any interest according to Art. II.19?

If yes, please mention the amount (in €)

4. Certificate on the methodology

Do you declare average personnel costs according to Art. II.14.1?

Is there a certificate on the methodology provided by an independent auditor and accepted by the European Union according to Art. II.4.4?

Name of the auditor

Cost of t

5. Certificate on the financial statements

Is there a certificate on the financial statements provided by an independen

Name of the auditor

6. Beneficiary's declaration on their honour ?

Name of the person authorised to sign this Financial Statement

Date dd/MM/yyyy

Cancel

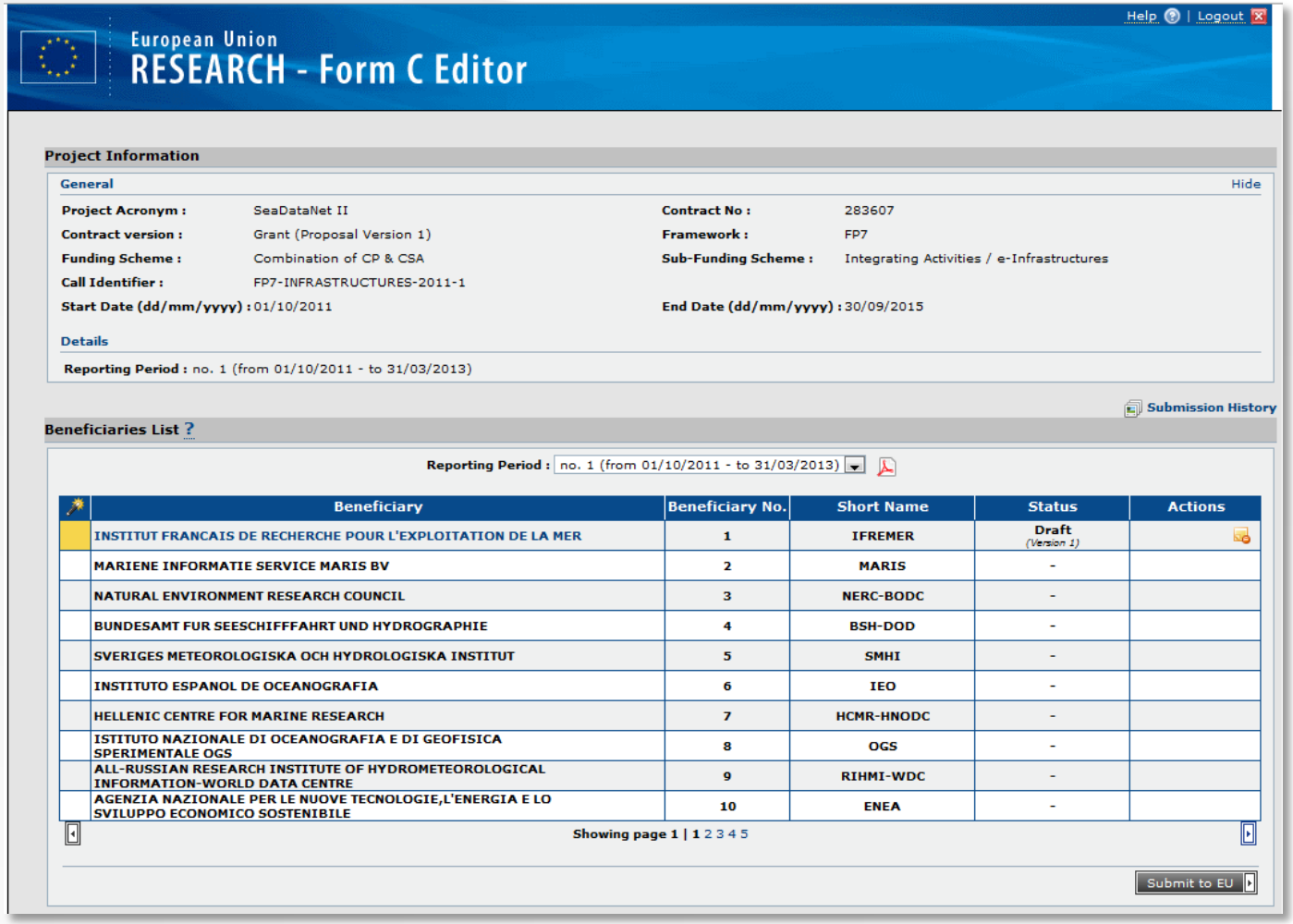
Save

Submit to coordinator

Save
Send it to the coordinator

Reporting to EU : financial reporting

- List of all forms C for the coordinator



European Union
RESEARCH - Form C Editor

Help | Logout

Project Information

General — Hide

Project Acronym :	SeaDataNet II	**Contract No :**	283607
Contract version :	Grant (Proposal Version 1)	**Framework :**	FP7
Funding Scheme :	Combination of CP & CSA	**Sub-Funding Scheme :**	Integrating Activities / e-Infrastructures
Call Identifier :	FP7-INFRASTRUCTURES-2011-1		
Start Date (dd/mm/yyyy) :	01/10/2011	**End Date (dd/mm/yyyy) :**	30/09/2015

Details

Reporting Period : no. 1 (from 01/10/2011 - to 31/03/2013)

Submission History

Beneficiaries List ?

Reporting Period : no. 1 (from 01/10/2011 - to 31/03/2013)

Beneficiary	Beneficiary No.	Short Name	Status	Actions
INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER	1	IFREMER	Draft (Version 1)	
MARIENE INFORMATIE SERVICE MARIS BV	2	MARIS	-	
NATURAL ENVIRONMENT RESEARCH COUNCIL	3	NERC-BODC	-	
BUNDESAMT FUR SEESCHIFFFAHRT UND HYDROGRAPHIE	4	BSH-DOD	-	
SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT	5	SMHI	-	
INSTITUTO ESPANOL DE OCEANOGRAFIA	6	IEO	-	
HELLENIC CENTRE FOR MARINE RESEARCH	7	HCMR-HNODC	-	
ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE OGS	8	OGS	-	
ALL-RUSSIAN RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INFORMATION-WORLD DATA CENTRE	9	RIHMI-WDC	-	
AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE,L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	10	ENEA	-	

Showing page 1 | 1 2 3 4 5

Submit to EU

Contract status

- Grant agreement (EU, IFREMER and all partners)
  - Signed by IFREMER on **August 12th**
  - Signed by EU on **September 9th**
  - Sent to partners on **September 23rd**
  - Still waiting for forms A returns to proceed to the first payment
- Consortium agreement (IFREMER and all partners)
  - Prepared by IFREMER juridical department
  - To be sent to all partners for signature
  - Deliverable due on M1

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

SeaDataNet

Forms A status

- 30 received
- 1 received but with only 2 copies in stead of 3
- 12 missing

Blocking the 1st payment

	Partner	Country	Forms A
2	MARIS	Netherlands	X
3	NERC-BODC	United Kingdom	X
4	BSH-DOD	Germany	X
5	SMHI	Sweden	X
6	IEO	Spain	X
7	HCMR-HNODC	Greece	X
8	OGS	Italy	
9	RIHMI-WDC	Russian Federation	X
10	ENEA	Italy	
11	INGV	Italy	X
12	METU-IMS	Turkey	
13	CLS	France	
14	AWI	Germany	X
15	ULG	Belgium	
16	IMR	Norway	X
17	NERI	Denmark	X
18	ICES	Denmark	X
19	IES-JRC	Italy	
20	MI	Ireland	
21	IHPT	Portugal	
22	NIOZ	Netherlands	
23	RBINS-MUMM	Belgium	X
24	VLIZ	Belgium	X
25	MRI	Iceland	
26	FMI	Finland	X
27	IMGW	Poland	X
28	MSI	Estonia	X
29	LHEI	Latvia	X
30	EPA	Lithuania	X
31	SIO-RAS	Russian Federation	
32	MHI-DMIST	Ukraine	X
33	IO-BAS	Bulgaria	
34	NIMRD	Romania	X
35	TSU-DNA	Georgia	X
36	IOF	Croatia	X
37	NIB	Slovenia	X
38	IOI-MOC	Malta	X
39	OC-UCY	Cyprus	X
40	IOLR	Israel	X
41	CNR	Italy	
42	IBSS	Ukraine	X
43	UniHB	Germany	X
44	TUBITAK MAM	Turkey	X

1st Payment – Pre-financing

- Funds transfer to IFREMER on September 26th
  - Pre-financing : 60% of the total amount (6 M€)
    - 3.6 M€
    - 0.3 M€ has kept as the guarantee fund
    - 61,059.41 € transferred directly to JRC
    - Left : 3,238,940.60 € to be distributed to all partners as soon as all forms A are received

PAN-EUROPEAN INI
FOR OCEAN & MAR
MANAGEMENT

SeaDataNet

1st Payment – Pre-financing

Partner nr	Short Name	Country	Total EU Contribution	Pre-financing
1	IFREMER	France	828 947,49	455 921,12
2	MARIS	Netherlands	514 632,50	283 047,88
3	NERC-BODC	United Kingdom	392 517,71	215 884,74
4	BSH-DOD	Germany	220 586,15	121 322,38
5	SMHI	Sweden	124 324,90	68 378,70
6	IEO	Spain	211 626,70	116 394,69
7	HCMR-HNODC	Greece	140 435,20	77 239,36
8	OGS	Italy	209 231,94	115 077,57
9	RIHMI-WDC	Russian Federation	80 509,44	44 280,19
10	ENEA	Italy	156 633,49	86 148,42
11	INGV	Italy	133 100,40	73 205,22
12	METU-IMS	Turkey	55 578,00	30 567,90
13	CLS	France	59 984,22	32 991,32
14	AWI	Germany	197 634,20	108 698,81
15	ULG	Belgium	311 649,25	171 407,09
16	IMR	Norway	192 196,00	105 707,80
17	NERI	Denmark	138 889,50	76 389,23
18	ICES	Denmark	124 822,12	68 652,17
19	IES-JRC	Italy	111 017,10	61 059,41
20	MI	Ireland	70 257,50	38 641,63
21	IHPT	Portugal	41 990,97	23 095,03
22	NIOZ	Netherlands	144 692,55	79 580,90
23	RBINS-MUMM	Belgium	167 009,00	91 854,95
24	VLIZ	Belgium	152 632,37	83 947,80
25	MRI	Iceland	58 828,40	32 355,62
26	FMI	Finland	67 835,20	37 309,36
27	IMGW	Poland	37 370,00	20 553,50
28	MSI	Estonia	56 882,80	31 285,54
29	LHEI	Latvia	40 579,20	22 318,56
30	EPA	Lithuania	28 905,50	15 898,03
31	SIO-RAS	Russian Federation	67 881,00	37 334,55
32	MHI-DMIST	Ukraine	46 130,80	25 371,94
33	IO-BAS	Bulgaria	46 699,00	25 684,45
34	NIMRD	Romania	41 638,50	22 901,18
35	TSU-DNA	Georgia	27 152,90	14 934,10
36	IOF	Croatia	43 704,60	24 037,53
37	NIB	Slovenia	47 554,08	26 154,74
38	IOI-MOC	Malta	53 649,90	29 507,45
39	OC-UCY	Cyprus	96 969,00	53 332,95
40	IOLR	Israel	43 336,80	23 835,24
41	CNR	Italy	157 889,55	86 839,25
42	IBSS	Ukraine	42 887,00	23 587,85
43	UniHB	Germany	125 977,57	69 287,66
44	TUBITAK MAM	Turkey	87 229,50	47 976,23
		TOTAL	6 000 000,00	3 300 000,00

Thank you for your attention

Any questions?