



SeaDataCloud

FINAL MEETING

WP3 – Training of data providers (RBINS-IODE)

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Objectives

- To train data managers and technicians of data centres in the operation of SeaDataCloud services
- To train data managers and technicians of connected data centres in the uptake of upgraded standards and data management procedures and in the implementation and configuration of new infrastructure components
- To achieve an overall capacity of all connected data centres on a pan-European scale to provide up-to-date and high quality metadata and data access services for the in situ and remote sensing data managed by their centres

WP3 Deliverables and Milestone status

Four deliverables and two milestones were planned and have been delivered on time or with a small delay without any consequence on the progress of the project

Deliverable or Milestone	Name	Lead beneficiary	Planned Delivery date	Actual delivery date
D3.1	First training session	RBINS	M20 (30/06/2018)	M20 (28/06/2018)
D3.2	Report on the first training session	RBINS	M22 (31/08/2018)	M23 (28/09/2018)
D3.3	Second training session	RBINS	M32 (30/06/2019)	M32 (01/07/2019)
D3.4	Report on the second training session	RBINS	M34 (31/08/2019)	M36 (04/10/2019)
MS4	First training session for data providers	RBINS	M21 (31/07/2018)	M20 (27/06/2018)
MS9	Second training session for data providers	RBINS	M33 (31/07/2019)	M32 (26/06/2019)

Progress per task

To reach its objectives the WP3 was split into 3 different tasks:

- Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers (M17-32)
- Task WP3.2 – 1st training session for data managers and technicians on common standards, data management procedures, installing and using upgraded system components and tools (M20-22)
- Task WP3.3 – 2nd training session for data managers and technicians on common standards, data management procedures, and installing and using upgraded system components and tools (M41-43)

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

- The organization of the training workshops was led by RBINS with support of UNESCO/IOC Project Office for IODE
- For both workshops, RBINS and IODE shared the organization with the following main roles:
 - For RBINS: programme set-up, briefing of the trainers and of the participants, invitation and registration of the participants, travel and accommodation arrangements for the non SDC partners, invitation letters, coordination with IODE for the on-site logistics.
 - For IODE: Venue and local logistics, management of the remote participation, training resources hosting on the OceanTeacher (OT) e-Learning Platform, delivery of the certificate of attendance, setting up of the feedback survey, badges preparation, catering, technical equipment set-up, lectures recording and registration payments process.

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

For both sessions:

- 2 similar back-to-back sessions were organized
- The target audience were the staff members (technicians and/or data managers) who were currently maintaining the SeaDataNet services operational (CDIs, Download and Replication Manager, Data deliveries).
- Registrations opened 2 to 3 months before the workshops dates

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

For both sessions:

- Invitations sent to all consortium members and 76 data centers connected to SDN but not affiliated to SDC consortium
- For the external data center nodes, travel and subsistence costs were covered by a specific budget managed by RBINS. Travels and accommodations were booked by RBINS and their subsidiary costs refunded 3 months after the training.

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

For both sessions:

- The programmes were set up with the partners at the steering group meetings but released with some delays because of the late confirmation of some topics. Registrations deadlines were extended accordingly.
- Participants had to install softwares and other training tools on their laptop before the workshop
- Remote participation of trainers and participants was foreseen

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

For both sessions and thanks to IODE co-organiser:

- The training resources were uploaded in advance on the OT e-Learning Platform to facilitate real-time access to supporting training resources
- All ‘lectures’ were recorded and made available online
- An online feedback survey was set up on OT e-learning platform to get the feedback from the participants at the end of the workshops

Task WP3.1 – Preparation, coordination and validation of the training and capacity building programme for data providers

For both sessions:

Long term preservation and accessibility to the training resources (presentations PowerPoint and videos, exercises) on:

- OT e-learning platform (need to register on OT and (self)enrol to the course)
- SeaDataCloud website on
 - Training courses webpages
 - Technical documentation webpage

Task WP3.2 – 1st training session for data managers and technicians

- Two similar face-to-face sessions of 3 days from 20th to 22^d June 2018 and from 25th to 27th June 2018 at the IOC Project Office for IODE premises in Ostend.



Task WP3.2 – 1st training session for data managers and technicians

- A total of 115 participants attended on site (53 for session one and 67 for session 2) including 15 trainers
- The vast majority of the SeaDataCloud data centres were represented (37 out of 43 with one attending remotely) and a great number of non-SeaDataCloud data centres (27 out of 76 including one attending remotely) participated.
- Ten participants expressed their willingness to join remotely but only 4 connected. During the sessions, they could interact with the trainers and ask their questions via live chat.

Task WP3.2 – 1st training session for data managers and technicians

The content of the programme covered (presentations and exercises):

- The new set-up and new procedures for updating and submitting new data entries and the instructions about the new **Replication Manager** set-up
- The new **CDI user interface**
- The new advances and upgrades of the SDN standards, tools and softwares such as:
 - Data aspects such as data quality and recommendations for regional products managers
 - ODV new features and QC
 - Biological data format and QC
 - Upgrades of SDN data discovery and “shopping system”
 - Upgrades vocabularies and SDN tools (NEMO, OCTOPUS and MIKADO)

Task WP3.2 – 1st training session for data managers and technicians

Feedbacks

- At the end of the 3d day, there was a live feedback with remarks and suggestions
- Online feedback survey on OT e-learning platform resulting in:
 - almost 95% of the participants considered the training was good to very good
 - Expectations sometimes not met (RM not the major topic as announced)
 - Hands-on sessions can be improved with the use of personal datasets

Task WP3.2 – 1st training session for data managers and technicians



Task WP3.3 – 2^d training session for data managers and technicians

- Two similar face-to-face sessions of 3 days from 19th to 21st June 2019 and from 24th to 26th June 2019 at the Thermae Palace in Ostend.



Task WP3.3 – 2^d training session for data managers and technicians

- A total of 92 participants attended on site (51 for session one and 48 for session 2) including 15 trainers
- The vast majority of the SeaDataCloud data centres were represented (41 out of 43) and 18 out of 76 (including one attending remotely) non-SeaDataCloud data centres participated.
- 13 participants registered to join remotely

Task WP3.3 – 2nd training session for data managers and technicians

The content of the programme covered (presentations and exercises):

- The prototype of the SDN **Virtual Research Environment (VRE)** and its components:
 - WebODV, DIVA online, online QC for biological data and online visualization services
- The components of the **upgraded CDI service**, both front and back ends, with new CDI service architecture (incl. RM, EUDAT cloud, upgraded CDI User Interface)
- The workflow for preparing CDI metadata and ODV files using NEMO, OCTOPUS and MIKADO and the RM setting up
- The subsetting services using ERDDAP

Task WP3.3 – 2nd training session for data managers and technicians

Feedbacks

- At the end of each day to hear feedback, remarks and suggestions
- Online feedback survey on OT e-learning platform resulting in:
 - 95 % of the participants considered the training was good or very good
 - the general organization was well to very well noted by the participants
 - For most, the expectations were met and the knowledge learned useful
 - Long term access to training material and records of the training is appreciated
 - $\frac{3}{4}$ of the participants are still in favour of face-to-face workshops in the future, while remote participation and remote trainers should be avoided
 - Some participants expressed their need of having more hands-on sessions (regarding QC biological data, ERDDAP) and more time to practice with smaller groups with dataset files provided
 - Some regretted that the focus was mainly on a pilot product still in development (VRE)

Task WP3.3 – 2nd training session for data managers and technicians



Summary

- Four WP3 deliverables and two WP3 milestones were scheduled for completion during this reporting period and all of them have been met.
- The co-organization of the two workshops resulted in the smooth running of the training sessions
- We met high participation rates with almost all SDC data centers represented and attendance of 20-25 motivated external nodes
- Most participants considered the training good to very good
- Training material accessible on dedicated websites

Thank you all for your participation on the training workshops ...

... and visit the SDC Technical Documentation Catalog for all training materials (and more) to learn about the SDN services!