# 4<sup>th</sup> ODIP II workshop
## Marine Institute, Galway, Ireland

## 02– 05 October 2017

ODIP workshops bring together the globally distributed project partners, together with other domain and technical experts, to discuss and progress the various project activities that support the development of a common global framework for marine data management.

This is the fourth and final workshop planned for the ODIP II project. The agenda for this meeting will focus on:

1. assessing the continued progress made by the ODIP II prototype development tasks and associated cross-cutting themes.

2. finalization of the project activities and deliverables including preparation for the final reporting and review process.

3. post-project sustainability of the Ocean Data Interoperability Platform including the wider ODIP community

The format of the ODIP II workshops has remained largely the same throughout the project with a combination of plenary and discussion sessions. As with previous workshops, the agenda is broken down into a series of sessions with a chairperson identified for each who is responsible for both developing the content, and moderating the presentations and discussion.

## Workshop Sessions

| Session | Title | Leader |
|---|---|---|
| 1 | Introduction | *Helen Glaves* |
| 2 | ODIP 1+ prototype development task | *Peter Thijsse* |
| 3 | ODIP 2+ prototype development task | *Friedrich Nast* |
| 4 | ODIP 4 prototype development task | *Dick Schaap* |
| 5 | ODIP 5 prototype development task (biology) | *Francisco Souza Dias / Simon Claus* |
| 6 | Prototype impact assessments | *Michele Fichaut / Dick Schaap* |
| 7 | Ocean Data Standards and Best Practices | *Sissy Iona/Jay Pearlman* |
| 8 | Vocabularies | *Rob Thomas* |
| 9 | Data and software publishing | *Cyndy Chandler* |
| 10 | Linked Data developments | *Adam Leadbetter* |
| 11 | Standard data formats | *Justin Buck* |
| 12 | Ocean Data Standards and Best Practices | *Sissy Iona/Jay Pearlman* |
| 13 | ODIP 3+ prototype development task | *Simon Jirka* |
| 14 | Wrap-up | *Dick Schaap* |

# AGENDA

## DAY 1: Monday, 02 October 2017

### Session 1

8:45 – 9:00        Registration

9:00 – 9:15        Welcome                                    *Dr. Peter Heffernan*
                                                                      *(CEO of the Marine Institute)*

9:15 – 9:30        Workshop introduction and logistics

                                                              *Helen Glaves (ODIP II project coordinator)*

9:30 – 9:45        Introductions
                        *(Name, Country, institution, main responsibility, expectations for this workshop: 30 seconds max.)*

### ODIP II Overview

9:45 – 10:00      ODIP II: overview of the project
                                              *Helen Glaves (ODIP II Coordinator)*

10:00 – 10:10    ODIP II: technical objectives
                                              *Dick Schaap (ODIP II Technical Coordinator)*

## *Session 2*

### **ODIP 1+ Prototype Development Task: plenary**

10:10 – 11:00  ODIP 1+: current status and planned development activities
*Led by Peter Thijsse (MARIS)*

- *Aims and approach – Peter Thijsse (MARIS)*

- *Progress of semantic brokerage service – Enrico Boldrini (CNR)*

- *Rosetta Stone for vocabs – Alexandra Kokkinaki*

- *IMOS/AODN catalogue - * Sebastien Mancini - IMOS (UTAS)*

- *NOAA One Stop/NCEI developments (remote contribution) - David Neufeld (NOAA)*

**11:00 – 11:15   Coffee break**

### **ODIP 1+ Prototype Development Task: plenary**

11:15 – 12:15  Discussion

*Led by Peter Thijsse*

## Session 3

### ODIP 2+ Prototype Development Task: plenary

12:15 – 12:45            ODIP 2+: current status and planned development activities

*Led by Friedrich Nast*

- *CSR status – Friedrich Nast (BSH)*

- *R2R status – Cindy Chandler on behalf of Karen Stocks (UCSD)*

- *Adopting CSR reporting and discovery on the IODE website – Dick Schaap (MARIS)*

12:30 – 13:00            Discussion                                *Led by Friedrich Nast*

**13:00 – 14:00            Lunch**

## Session 4

### ODIP 4 Prototype Development Task: plenary

14:00 – 15:00            ODIP 4 (Creating a 'digital playground')

*Led by Dick Schaap*

- *Introduction – Dick Schaap (MARIS)*
- *Progress with VRE analysis for SeaDataCloud – Thomas Loubrieu  (IFREMER)*

**15:00 – 15:15    Break**

***ODIP 4 Prototype Development Task: plenary (continued)***

15:15 – 16:00 ODIP 4 (Creating a 'digital playground')
*Led by Dick Schaap*

- *I - notebook – DIVA – Charles Troupin / Alexander Barth (ULg)*

- *VRE Architecture options – Peter Thijsse (MARIS)*

- *Virtual Geophysics Laboratory (VGL) - Carsten Friedrich (CSIRO)*


16:00 – 17:00 Discussion *Led by Dick Schaap*

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# DAY 2: Tuesday, 03 October 2017

9:00 – 9:10        Introduction/Announcements                *Helen Glaves /Adam Leadbetter*

## Session 5

### ODIP 5 Prototype Development Task: plenary

9:10 – 10:00         Progress towards a marine biology prototype
                                                    *Led by Francisco Souza Dias /*
                                                    *Simon Claus*

- *Proposal for biological prototype focusing on marine mammal tracking data - Simon Claus*

- *OBIS Environmental  data scheme - Ward Appeltans / Peter Pissierssens*

- *MEOP Data scheme -  Justin Buck*

- *IMOS tracking data and current links with MEOP-OBIS - Sebastien Mancini*

10:10 – 10:45         Discussion                *Led by Francisco Souza Dias &*
                                                    *Simon Claus*

**10:45 – 11:00    Break**

### ODIP II: prototype impact assessment (WP4)

11:00 – 11:45         Prototype impact assessments

                                        *Michele Fichaut / Thomas Loubrieu*

11:45 – 12:30         Discussion

                                        *Led by Dick Schaap*

## Session 6

### Ocean Data Standards and Best Practices – part 1 – Processes and Platforms

12:30 – 13:00   Plenary                                 *Led by Sissy Iona & Jay Pearlman*

- *Intro – Jay Pearlman and Sissy Iona*
- *Approaches for best practice repository – Cristian Munoz*
- *ODIS – Peter Pissierssens*
- *Discussion – Jay Pearlman and Sissy Iona*

**13:30 – 14:30   Lunch**

## Session 7

### Vocabularies

14:30 – 15:30             Plenary

*Led by Rob Thomas (MI)*

- **Guest talk:**      *Validating interlinks with the SUMMR Interlink Validation Tool - Alan Meehan (ADAPT Research Centre, Trinity College Dublin)*

- *ODIP:    Provenance of mappings progress towards solutions -  Alexandra Kokkinaki (BODC)*

- *Europe   SeaDataCloud vocabularies progress - Gwen Moncoiffe (BODC)*

- *Australia        Australian Ocean Data Network & IMOS vocabulary progress - Sebastien Mancini (UTAS)*

- *USA            Rolling Deck to Repository & EarthCube vocabulary progress - Cyndy Chandler (BCO-DMO/IODE)*

- *Canada  Ocean Networks Canada vocabularies progress       Reyna Jenkyns (ONC)*

- *RDA:     Vocabularies Specials Interest Group report       Adam Shepherd (WHOI)*

*15:30 – 16:00    Break*

## *Vocabularies (continued)*

16:00 – 17:00            Discussion            *Led by Rob Thomas (MI)*
                                                    *& Gwen Moncoiffe (BODC)*

- *What can and should be achieved in the final 6 months of the project?*

- *What developments should be built on for future proposals?*

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## DAY 3: Wednesday, 04 October 2017

9:00 – 9:10        Introduction/Announcements        *Helen Glaves /Adam Leadbetter*

## Session 8

### Data and software publishing

9:10 – 10:10        Plenary        *Led by Cyndy Chandler*

- *Software Citation and process traceability – Charles Troupin & Cristian Muñoz*

10:10 – 10:45        Discussion        *Led by Cyndy Chandler*

**10:45 – 11:00                Break**

## Session 9

### Linked Data Developments

11:00 – 12:00        Plenary                *Led by Adam Leadbetter*

- *Why Linked Data? Our experience in the OpenGovIntelligence project - Prof Adeboyega Ojo, Insight Centre for Data Analytics, NUI Galway)*
- *Progressing Linked Data for SeaDataNet: Modelling the catalogues  - Adam Leadbetter (MI)*
- *Progressing Linked Data for SeaDataNet: Implementation (Alexandra Kokkinaki (BODC)*
- *Implementing schema.org Datasets - Adam Leadbetter (MI)*
- *Linked Data – an update from the USA        Adam Shepherd  (WHOI)*

**13:00 – 14:00**        **Lunch**

## Session 10

**Standard Data Formats**

14:00 – 14:45   Plenary                    *Led by Justin Buck*

- *Progress in SeaDataCloud – Lesley Rickards (BODC)*

- *Experiences with using NetCDF 4 – Charles Troupin (ULg)*

14:45 – 16:00   Discussion                 *Led by TBC*

**16:00 – 16:15**            **Break**

**Ocean Data Standards and Best Practices – part 2 – Existing practices from Prototypes and their evolution**

*16:15 – 17:15*          *Plenary*              *Led by Sissy Iona & Jay Pearlman*

- *Intro – Jay Pearlman and Sissy Iona*
- *SWE – Christian Autermann*
- *R2R and CSR – Cyndy Chandler and Friedrich Nast*
- *Brokering service – Stefano Nativi*
- *Evolving from practices to standards and discussion (incl ODSBP) – Jay Pearlman And Sissy Iona*

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## Thursday, 05 October 2017

9:00 – 9:10          Announcements                    *Adam Leadbetter*

## Session 11

### ODIP 3+ Prototype Development Task: plenary

9:10 – 10:00          ODIP 3+: current status and planned development activities
*Led by Simon Jirka*

- *SWE profiles – Simon Jirka (52 North) + Thomas Loubrieu (IFREMER)*
- *SWE Vocabularies – Alexandra Kokkinaki (BODC)*
- *SWE editors - TBC*
- *SOS services and clients – Simon Jirka (52 North)*

**10:45 – 11:00          Break**

### Workshop wrap-up

11:00 – 12:00   ODIP prototype development projects
*Feedback from each group on activities during the workshop and next steps (max. 10 minutes each):*

*ODIP 1+ - Peter Thijsse*

*ODIP 2+ - Friedrich Nast*

*ODIP 3 + - Simon Jirka*

*ODIP 4 - Dick Schaap*

*ODIP 5 - Francisco Souza Dias / Simon Claus*

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|---|---|---|
| 12:00 – 12:30 | Plans / options for the continuation and post-project sustainability of the Ocean Data Interoperability Platform | |
| | | *Led by Dick Schaap* |
| 12:30 – 13:00 | Closing remarks | *Helen Glaves (remotely) & Dick Schaap* |

**13:00 – 14:00**          **Lunch**