



[WP7 Training & Education]

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D7.2 Online training courses

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Online training courses



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D7.2 Online training courses

1 Introduction

This deliverable is associated with Task 7.3 in the H2020 project MaRINET2. The task is described as follows in the Grant Agreement for the project:

T7.3 Development of online training courses and webinars (Task Leader: DTU. Participants: IFREMER)

Material for online training of external MaRINET 2 users will be developed. The training will work as a preparation to TNA calls and as a pre-requisite for application, focusing on key practical aspects of TNA (e.g. how to write an application, developing a test plan, how does a call work, getting ready for testing, what to expect, what standards to apply). These training actions aim to speed up the TNA application process and render it more efficient. This need was identified based on learning from FP7 MaRINET. The usage of the MaRINET 2 e-Infrastructure will also be covered. The training courses will be in the format of recorded lectures, screencasts and practice quizzes, which will be available online through the project website. The webinars will be live online events where users will watch demonstrations (e.g. of the MaRINET 2 e-Infrastructure) and interact directly with the MaRINET 2 project team through group discussions. DTU will develop online training courses based on material and instructions from other partners. DTU will organize webinars featuring relevant MaRINET 2 experts (e.g. leaders of the larger TNA infrastructures or the e-Infrastructure developers).

In the following, we describe the development of online training courses up until month 36 of the project. The production of online training materials is expected to continue until the end of MaRINET2 as new TNA calls are launched in WP3 and new e-Infrastructure components are developed in WP6. The online training materials will be used to support users of these developments – internal as well as external to the project.

2 Screencasts about the MaRINET2 e-infrastructure

What is the MaRINET2 e-infrastructure?

The MaRINET2 e-infrastructure is described in detail in the deliverable D6.4 MaRINET2 E-infrastructure pilot. Two key issues are addressed: “Data preservation” and “Data sharing within a VRE” (Virtual Research Environment) leading to these objectives:



1. Data preservation: a common policy compliant with international standards (RDA – Research Data Alliance) and European standards for Marine data (SeaDataNet);
2. Data access and service: a Virtual Research Environment (VRE) workplace based on common national and European e-infrastructures (such as SeaDataCloud).

The MaRINET2 data preservation policy

A common policy compliant with international standards (RDA – Research Data Alliance) and European standards for Marine data (SeaDataNet) has been developed in WP6:

- Preserve, identify, access, cite datasets, projects and scientists
The use of DOI (Data Object Identifier) is strongly recommended
- Unambiguous persistent identifier with a commitment for long-term preservation
- Efficient for data citation, bibliographic surveys, credits to scientists (ORCID), credit to MaRINET project (OpenAIRE)
- Simple: data downloaded in one click

Screencasts

As part of WP7 Training & Education, screencasts on the MARINET2 data preservation policy and how to live up to it in practise have been developed by DTU and IFREMER. The aim is to create awareness of the MARINET2 data preservation policy amongst all project partners and to ensure that the policy is followed for the data sets generated in the project (i.e. from TNA experiments, round robin testing, and from pilots in WP6). At present, two screencasts are available:

- [Long-term data preservation and DOIs](#)
- [How to preserve a data set using SEANOE](#)

New screencasts will be created whenever there is new and relevant information to broadcast. For example, screencasts on the following topics are being considered:

- How to preserve a data set using [ShareWind](#)
- How to preserve a data set using [Zenodo](#)
- Standardized data delivery with netCDF
- Using the MaRINET2 Virtual Research Environment

Additional online training material

A wealth of other resources are available online in support of the European e-infrastructure components utilized in MaRINET2. These resources are generic whereas the training materials developed within the MaRINET2 project focus on the information needed to fulfil the project's own data preservation policy.



As an example, the Danish National Forum for Data Management has delivered an eLearning course about the importance of good research data management (RDM). The course consists of three modules and the training material is openly available at <https://vidensportal.deic.dk/da/RDMELearn>. Users can go through the modules in order to better understand the background for setting up a data management plan and to apply the FAIR principles.

Module 1: Introduction	Module 2: FAIR principles	Module 3: Data Management Plans
		
Reference: Vlachos, E., Larsen, A.V., Zurcher, S., Hansen, A.F. (2019). 'Introduction'. In: Holmstrand, K.F., den Boer, S.P.A., Vlachos, E., Martínez-Lavanchy, P.M., Hansen, K.K. (Eds.), <i>Research Data Management</i> (eLearning course). doi: 10.11581/dtu:00000048	Reference: Martínez-Lavanchy, P.M., Hüser, F.J., Buss, M.C.H., Andersen, J.J., Begtrup, J.W. (2019). 'FAIR Principles'. In: Holmstrand, K.F., den Boer, S.P.A., Vlachos, E., Martínez-Lavanchy, P.M., Hansen, K.K. (Eds.), <i>Research Data Management</i> (eLearning course). doi: 10.11581/dtu:00000049	Reference: den Boer, S.P.A., Buss, M.C.H., Hüser, F.J., Smed, U. (2019). 'Data Management Plans'. In: Holmstrand, K.F., den Boer, S.P.A., Vlachos, E., Martínez-Lavanchy, P.M., Hansen, K.K. (Eds.), <i>Research Data Management</i> (eLearning course). doi: 10.11581/dtu:00000050

Overview of modules in the [eLearning course about the importance of good research data management \(RDM\)](https://vidensportal.deic.dk/da/RDMELearn) (Holmstrand et al., 2019).

3 Webinars about TNA and virtual access

A number of live online webinars has been organized in connection with the opening of TNA calls and also to promote the virtual access to data sets through MaRINET2.

Webinars about TNA

Details and recordings of the webinars about virtual access are found in the project website at http://www.marinet2.eu/training/marinet2_webinar/. See also the overview in the table below:

Webinar date	Link to recording	Number of attendees
12/05/17	https://vimeo.com/217179847	85 registered, 60 attended
28/08/19	https://vimeo.com/356699966	105 registered, 62 attended



Webinars about virtual access

Details and recordings of the webinars about virtual access are found in the project website at <http://www.marinet2.eu/virtual-access/virtual-access-webinar/>. See also the overview below:

Webinar date	Link to recording	Number of attendees
07/12/17	https://youtu.be/tefQfNPZv8M	88 registered, 43 attended
25/06/19	https://vimeo.com/344297617	241 registered, 134 attended

References

Holmstrand, K.F., den Boer, S.P.A., Vlachos, E., Martínez-Lavanchy, P.M., Hansen, K.K. (Eds.) (2019). *Research Data Management* (eLearning course). doi: 10.11581/dtu:00000047