**Online course:** [**Bringing synergy to better data management and research in Europe**](https://moodle.learn.eosc-synergy.eu/course/view.php?id=7&section=0#tabs-tree-start)

**Goals and audience**

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| Your service/product *Include a short descriptive title. Why do learners need to know about your topic/service? What does it offer?*   | This introductory online course will offer a glimpse of Open Science and related initiatives, such as the European Open Science Cloud (EOSC), FAIR principles and research data management. The key benefits of the course will be the following:* It will cover a range of topics relevant to researchers, students, research data professionals and trainers
* It will consist of compact and engaging animated videos by professionals from the field
* All content will be reusable and up to date
* Learning will be supported by practical assignments, quizzes and learning resources
* Users will be able to learn at their own pace
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| Training goal*Why are you doing this training? What would success look like*? *This can include developing skills, gaining knowledge and changing attitude, improving service awareness/use etc* | We investigated existing online training materials and resources covering Open Science, EOSC and research data management. We discovered that there is a limited amount of content addressing the practical benefits of EOSC. To support trainers working in these domains, we will develop online training content with an emphasis on EOSC initiatives. We will reuse existing instructional material on FAIR principles, and research data management to avoid unnecessary duplication.Thanks to our course material, trainers will be able to adapt and reuse the material for their own training activities and courses. We plan to measure the course success by the number of users successfully completing the course, the number of users sharing the course materials, and the feedback we receive on the course quality. |
| Audience*Who is your target audience? This could be particular roles (eg researcher, students), knowledge level (eg aimed at beginners) or task based - eg those who want to be able to do a specific task.*  | Our primary audience will be trainers in the research data management domain. The material is highly relevant for researchers, students, research data professionals, service providers, and public servants looking to expand their knowledge on the range of the topics addressed throughout this course. |
| Benefits/outcomes for learners*What will learners gain from your training? What will they be able to do? What will they know? It is helpful to use the phrase ‘By the end of this training you will: Be able to…. Be familiar with… Have practiced…’ :*  | It is our objective that by the end of this online course, users will:* Have a basic understanding of Open Science and EOSC in relation to the EOSC Synergy project.
* Be familiar with key concepts and practical tools for FAIR data and data management
* Be aware of best practices in research data management and equip users with practical tools to embrace these practices.
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| Pre-requisites *Is there any knowledge that is useful / required?* *Any other courses that it would be useful to complete beforehand?*  | There are no prerequisites to take this course. Users, however, should register in the Moodle learning environment to get a full experience of the course. |

**Practical issues, content and resources**

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| Content *This should be a rough outline at this stage - you will think about this in more detail in the Design stage. What topics will you cover? How many sessions and what length?* | The online course will be divided into 8 modules, each lasting on average 30 minutes. It should take around 4 hours to complete the entire course. The following modules will be offered in the course:Open Science and European Open Science Cloud (EOSC)* Module 1: What is Open Science?
* Module 2: What is EOSC?
* Module 3: EOSC in practice: EOSC Synergy
* Module 4: EOSC in practice: Facilitating software quality across EOSC services
* Module 5: EOSC in practice: Integrating resources into EOSC

Introduction to research data management * Module 6: Introduction to research data management

FAIR principles* Module 7: FAIR principles

Data management plans * Module 8: Data management plans
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| Delivery method *Live sessions or self-learning? A mix? You may not have a choice in some of these areas depending on the constraints you have.* | This is an online course (self-learning) with discussion fora to facilitate learning.  |
| Timescale*When do you plan to deliver the training? Allow enough time to develop and test content.*  | Planning: 2 months (May-July)Design: 3 months (July-October)Creation: 6 months (October-March)Development: 1 month (April)Analysis & testing: ongoing (April-May)Launch (June-July) |
| Who will develop and deliver?*Do you have the right skills, or will you need support? Where will you get support?* | Two team members with a background in (online) instruction, one IT expert with Moodle skills, and one graphic designer with animation skills to create videos.  |
| Software, tools, infrastructure required*This might be to deliver your course (eg a webinar tool) or for learner activities (eg collaboration, live coding). Note that you may decide to use additional tools once you’ve designed your activities.* | Software * Video editing and animation: Adobe After Effects.
* Learning platform: open-source Moodle software.
* Interview recordings:
* Windows users. Windows Camera.
* Mac users. Photo Booth app.
* Windows, Mac or Linux users. OBS (Open Broadcaster Software).
* Video sharing: WeTransfer (GDPR compliant).
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| Materials to re-use*What are the materials you will re-use? What is their format? videos, slides, documentation etc. You can save time by reusing other materials. How will you keep track of this in order to give credit later?*  | To maximise the reusability of existing training materials and avoid duplication, we plan to make a list of relevant resources and adapt them to our course. Examples include howtofair.dk, the EOSC secretariat website, EOSC Synergy materials, FAIRsFAIR materials, such as FAIR-Aware tool etc. We also plan to reach out to our partners for relevant materials and resources. |
| Do you want others to re-use your material? *Do you want others to re-use your material? How? Material can be shared in different stages/shape and may need to be in particular formats depending on where it will be reused.*  | We plan to make all our training content available for reuse via open repositories, such as Zenodo and similar platforms encouraging sharing and reuse of data. We will make sure all our content is available in as much open formats as possible to enable wider reuse.  |