
# How FOSTER supports Open Science Training in the GeoSciences

# About FOSTER

Facilitate Open Science Training for European Research

- **F**acilitate **O**pen **S**cience **T**raining for **E**uropean **R**esearch
- Two-year EU-funded FP7 project (Feb 2014 – Jul 2016)
- 13 consortium partners (Project lead University Minho)
- Collaboration and support by 27 other organizations (Institutions, Graduate Schools, Associations from students and young researchers, etc.) from 13 countries

**“Spread the seeds of Open Access and Open Science”**

This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no 612425

# About FOSTER

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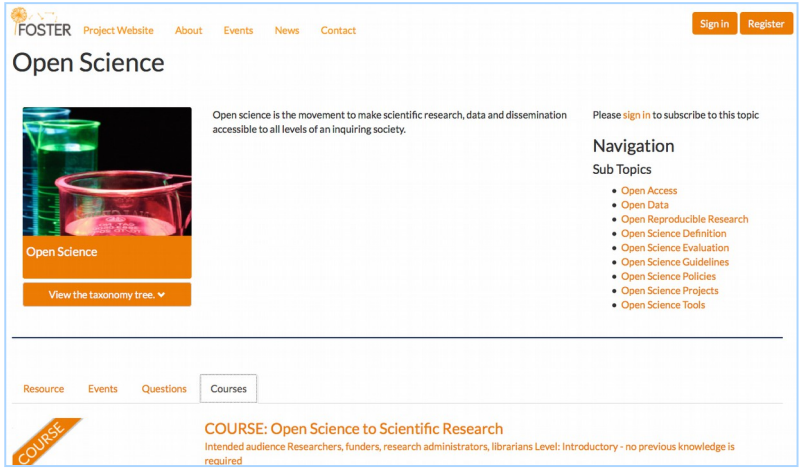


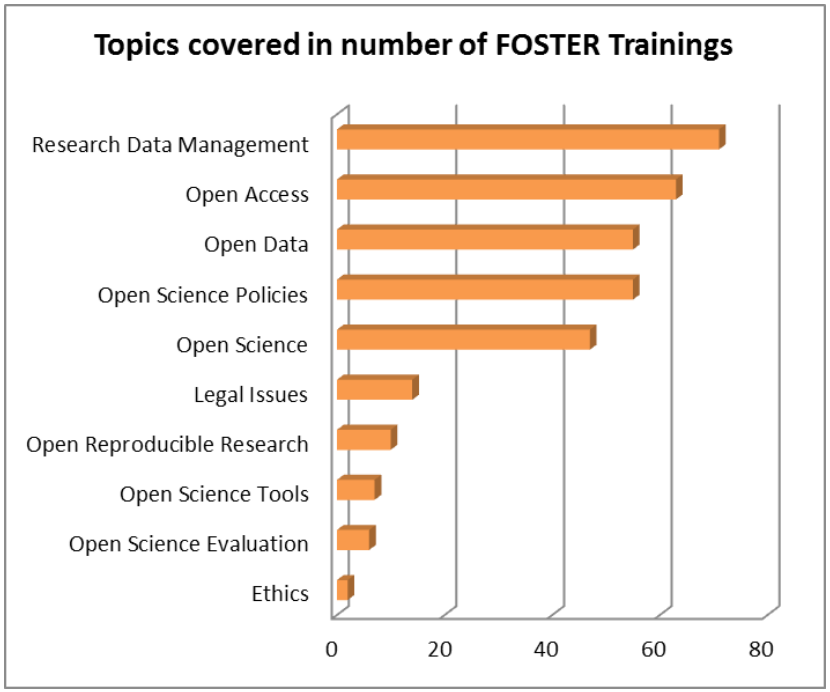

## OBJECTIVES

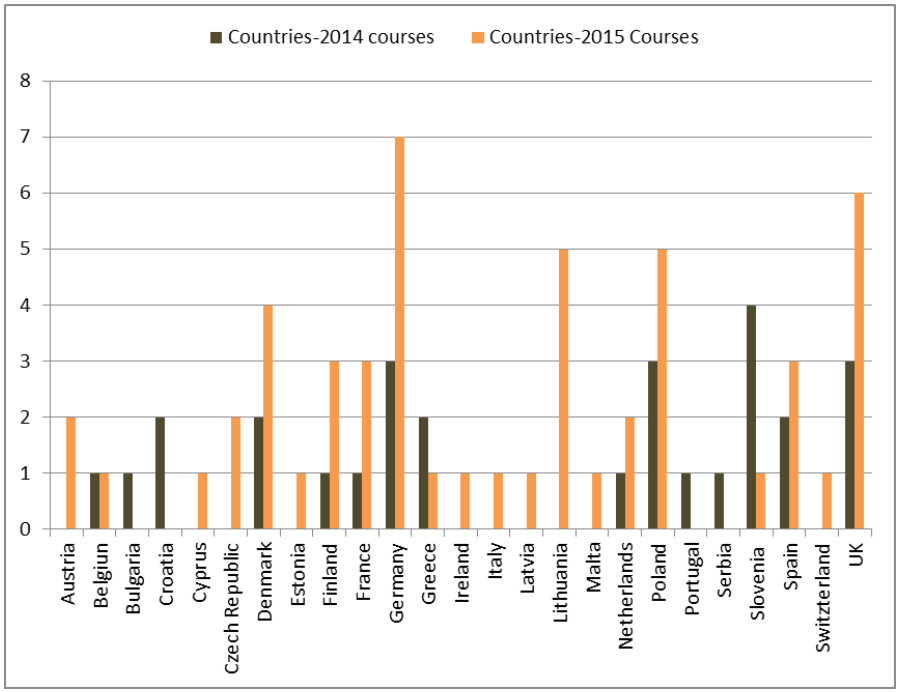
- To **support different stakeholders**, especially younger researchers, in adopting open access in the context of the European Research Area (ERA) and **in complying with the open access policies and rules of participation set out for Horizon 2020**
- To **integrate open access principles and practice in the current research workflow** by targeting the young researcher training environment
- To **strengthen institutional training capacity** to foster compliance with the open access policies of the ERA and Horizon 2020 (beyond the FOSTER project)
- To **facilitate the adoption, reinforcement and implementation of open access policies** from other European funders, in line with the EC's recommendation, in partnership with PASTEUR4OA project

# FOSTER Training Events

- More than 4600 participants in over 100 training events
- Diversity of approaches (institutional, national, discipline-specific), formats, geographies and languages
- Comprehensive coverage of Open Science topics
- Training all stakeholder groups: researchers, students, project, managers, research administrators, librarians and policy makers

# Results of Training Events




- Preliminary analysis of training events

# Courses and Contents for GeoSciences

## Open Science trainings for Geo-Scientists

23.-25.9./21.-23.10./14.-16.12.2015 GFZ, Potsdam: Software Writing Skills for your research

12.1.2016 Jaume I, Castellon: GEOTec UJI Workshop

## Trainings for Young Researchers including GeoScience-specific sessions

19.10.2015 VUU, Amsterdam: Connecting Research Data - Workshop GIS-data

23.-24.4.2015 UNESCO, Paris: Open Science for Doctoral Schools – Marine Breakout

## GeoScience Events with Open Science trainings

12.-17.4.2015 Vienna: EGU2015 - series of sessions and courses

2.2.2016 Un Ghent: MARES Conference - Open Science Training Workshop

# Learning Resources for GeoScientists

- All materials from the trainings above is available via the FOSTER Portal
- Find learning objectives for PhD Students and (Early Career) Researchers
- Access existing training materials and re-use with help of training toolkit
- Take self-learning courses and track learning progress
- Combine online courses with webinars for blended learning success

# Best Practices

- Not a „one fits all approach“
- Local organisation (national, institutional or subject-specifific)
- FOSTER consortium expertise via invited speakers
- All training material made available and re-usable
- Train-the-trainer approach

# Thank you

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  - www.fosteropenscience.eu
  - @fosterscience
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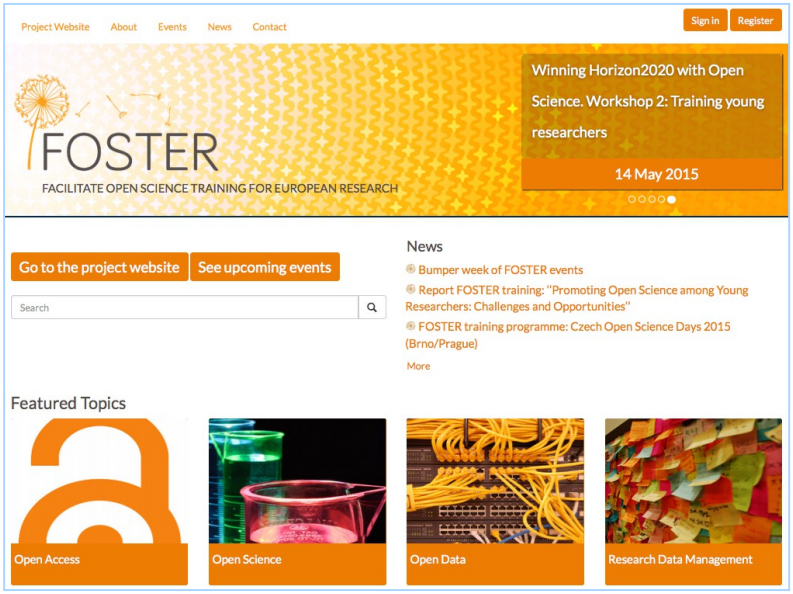


# FOSTER Offering

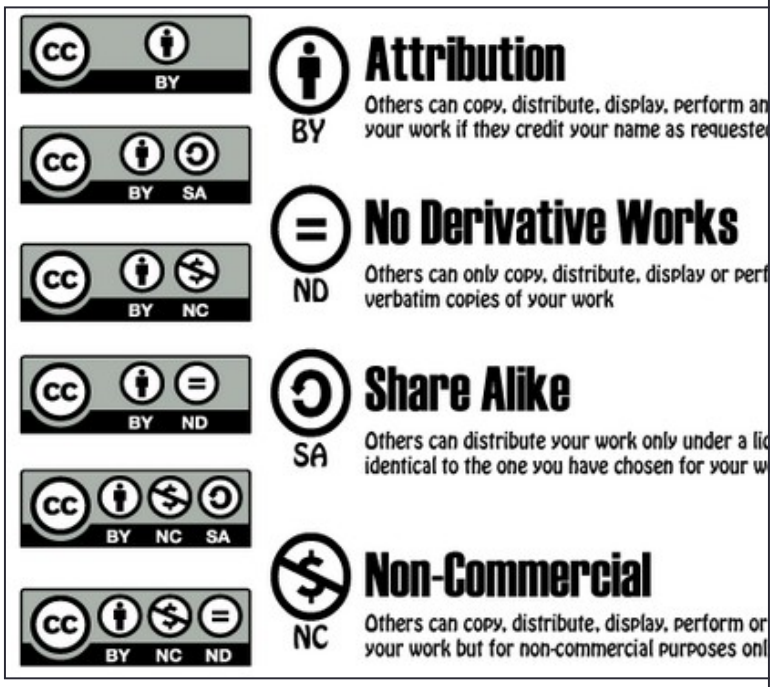
# Training Toolkit

- Helping you to create your own successful Training Event
- Suggestion: 6 TYPES OF TRAINING SESSIONS

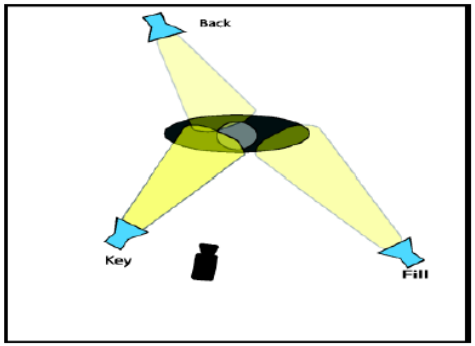
| Audience | Expert talk | Talk by peers | Panel session | Workshop | Group work/Break-out sessions | E-learning |
|---|---|---|---|---|---|---|
| Students & Academic Staff | X | X | X | X | X | X |
| Administrators & Librarians | X | X | X | X | X | X |
| Research Project Managers | X | X | X | | X | X |
| Policy makers & Funders | X | X | X | | | X |

teaching (online courses, webinars, etc.).

# Training Toolkit




- Do not sit too close to the background (wall), allow light to wrap
- Avoid mixed light, daylight and artificial light. Try to sit opposite from it but not in front of a window;
- If possible use a three way lighting, one main light (Key light), on light) and one light from the back to set you free from your back Lights should be as high as possible on tripods and make sure th picture.




LOCATION:

- Studio – eligible for introduction video's
- Lecture hall – eligible for live colleges
- Lab – eligible for demo clips for interpretation of tests
- Outdoors – eligible for showing cases or examples

VIDEO FORMATS:

- Mp4, mpeg format, H264 HD 1080P, YouTube HD, Vimeo HD

# Learning Objectives

Help you in choosing learning resources

| TOPICS (following the Research Lifecycle) | | CORE LEARNING ELEMENTS | LEARNING OBJECTIVES (as basis for a LEARNING PLAN) | STAKEHOLDER | |
|---|---|---|---|---|---|
| | | | | Doctoral Students | Resear-chers |
| Research Data Mngmt | RDM Plans | Define RDM Plans | Indicate characteristics of the RDM Plans | o | o |
| | | | Appraise the characteristics of a RDM plan to your discipline/project | o | o |
| | | Prepare a RDM Plan | Create a RDM Plan | o | o |
| | | | Apply the RDM Plan to your discipline/project | o | o |
| | RDM Policies | Understand RDM Policies | Identify RDM Policies | | o |
| | | | Comply with RDM Policies | | o |
| | RDM Services | Identify RDM services | Identify relevant RDM Services | | o |
| | | | Categorize RDM Services | | o |
| | | Use RDM services | Integrate RDM services in your discipline/project/workflow | | o |
| | | | Evaluate & Compare RDM services | | o |
| | RDM Standards | Describe existing RDM Standards | Identify existing RDM Standards | o | o |
| | | | Analyse RDM standards requisites | o | o |
| | | Implement existing RDM Standards | Promote RDM Standards in your discipline/project | o | o |
| | | | Apply existing RDM Standards | o | o |
| | RDM Tools | Identify existing RDM Tools | Identify existing RDM Tools | o | o |
| | | | Compare RDM Tools | o | o |
| | | Use RDM Tools | Select relevant RDM Tools | o | o |
| | | | Evaluate the use of RDM Tools | o | o |

https://www.fosteropenscience.eu/project -> About the project -> Deliverables

# FOSTER Portal

Search

- FOSTER training programme:"Open Access and Open Data in Horizon 2020"
- FOSTER training programme: Training the trainers on Open Access and Open Science

More

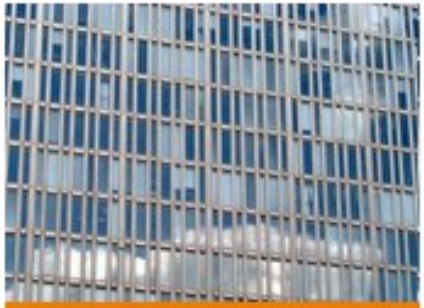
## Featured Topics


Open Access


Open Science


Open Data


Research Data Management


Open Science Policies

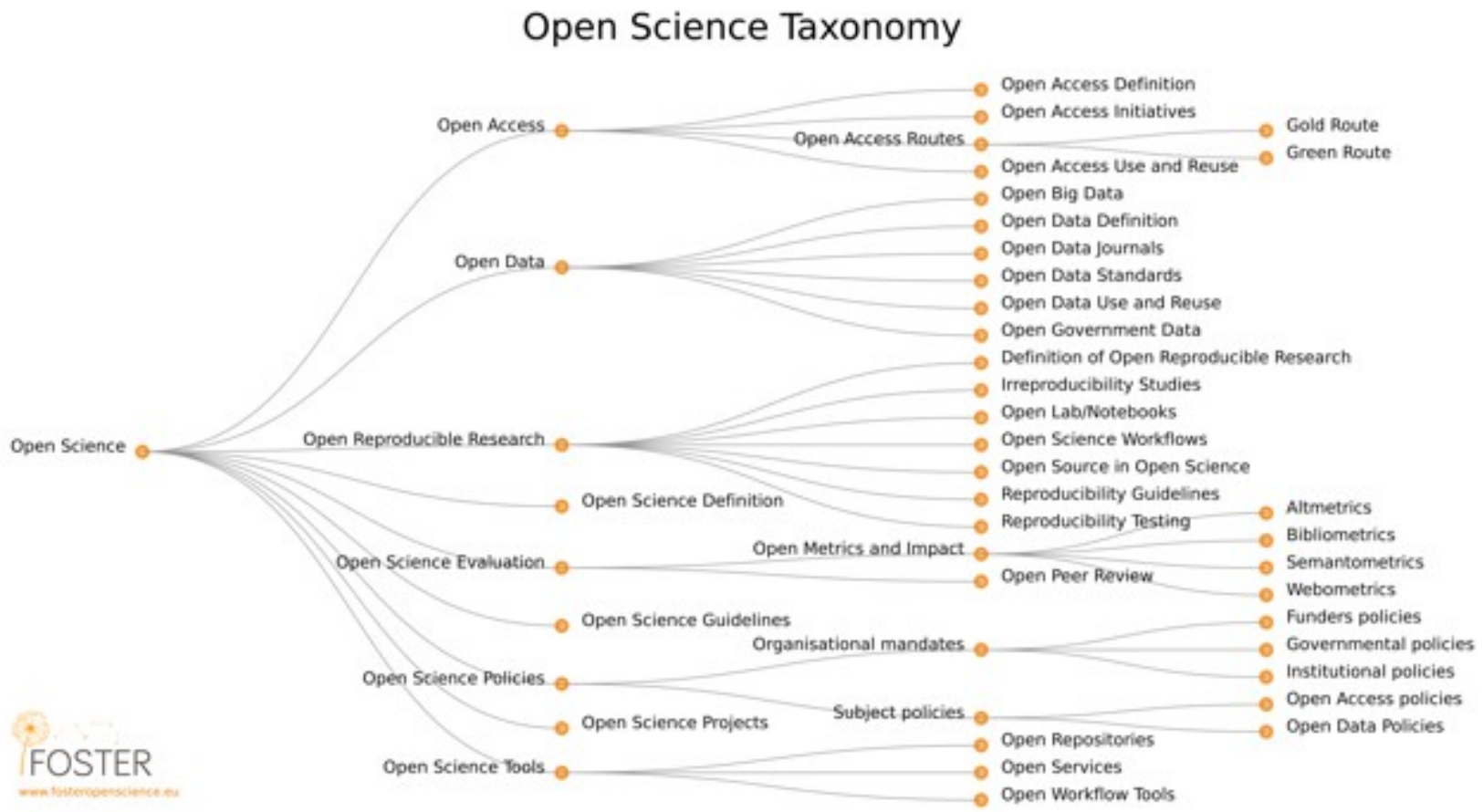
Legal Issues


Open Access Routes


Open Access Use and Reuse

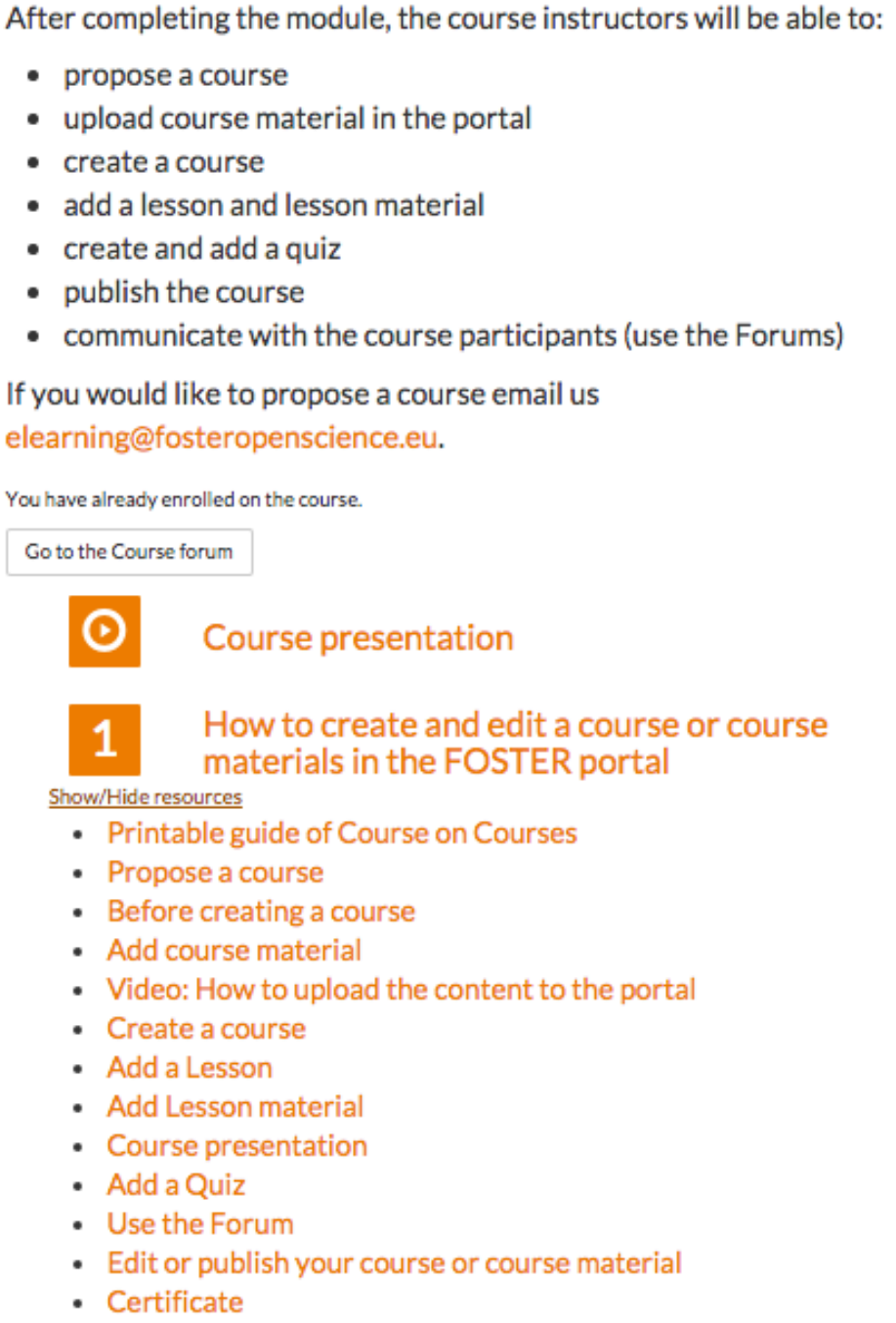
# Open Science Taxonomy

Help you nagivating training content



# Taking & Designing courses

- Take a course about how to create your own courses out of the FOSTER resources: https://www.fosteropenscience.u/content/foster-course-course-creation
- Propose courses



After completing the module, the course instructors will be able to:

- propose a course
- upload course material in the portal
- create a course
- add a lesson and lesson material
- create and add a quiz
- publish the course
- communicate with the course participants (use the Forums)

If you would like to propose a course email us elearning@fosteropenscience.eu.

You have already enrolled on the course.

Go to the Course forum

Course presentation

1 How to create and edit a course or course materials in the FOSTER portal

Show/Hide resources

- Printable guide of Course on Courses
- Propose a course
- Before creating a course
- Add course material
- Video: How to upload the content to the portal
- Create a course
- Add a Lesson
- Add Lesson material
- Course presentation
- Add a Quiz
- Use the Forum
- Edit or publish your course or course material
- Certificate