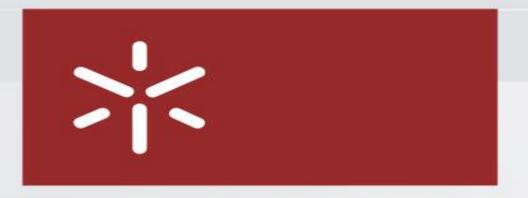
## Pedro Principe, University of Minho pedroprincipe@sdum.uminho.pt



Universidade do Minho Serviços de Documentação

# Research Data Management for young researchers & PhD students Online training experience

Brain@Work - Distance Meeting Agenda, May 19th 2020

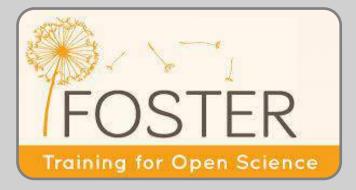




### **RDM & Open Science training initiatives**

Universidade do Minho Servicos de Documentação







**Essentials on RDM MOOC** 

Portuguese MOOC platform

FOSTER

OPEN SCIENCE

courses & main

project outputs

**OpenAIRE** 

training and support guides and materials

### **OPEN SCIENCE @ UMINHO**



Universidade do Minho Servicos de Documentação









Scientific Information Infrastructures

Training & dissemination











Advocacy & policies

International alignment & cooperation









FAIRSFAIR

## Research Data Management MOOC

## MOOC ESSENCIAL GDI





Secretaria-Geral da Educação e Ciência

















NAU – A national initiative, led by the Foundation for Science and Technology, to build and operate a technical infrastructure with a platform that publishes content to big audiences, such as MOOCs.

This initiative, cross-sectional to several ministries and open to society, will facilitate training to a larger number of civil servants and citizens.











https://lms.nau.edu.pt

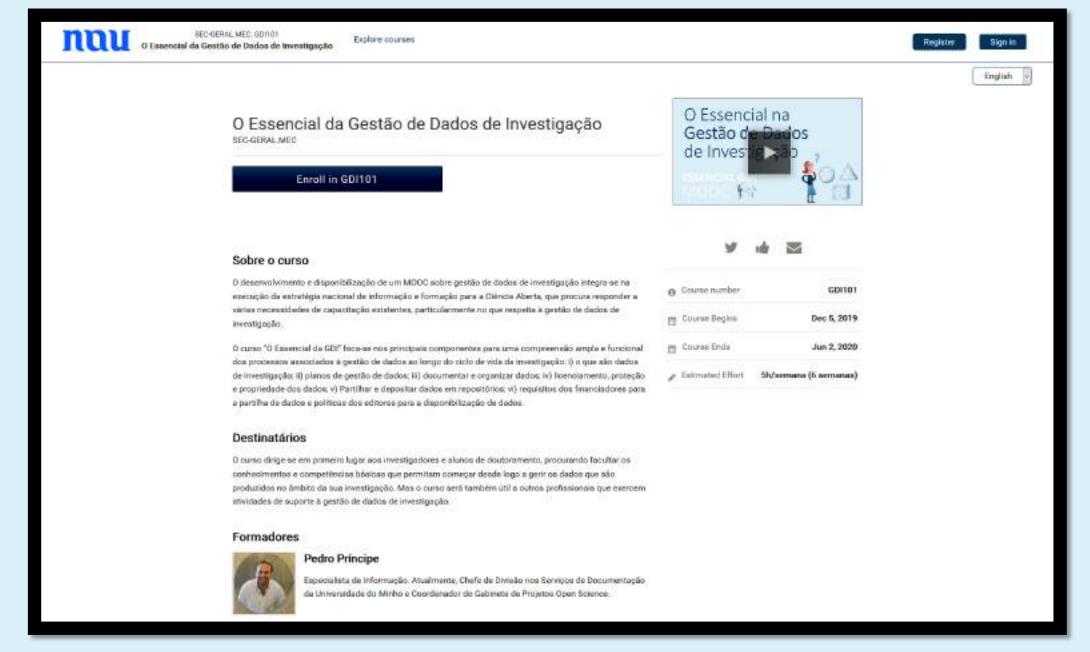


Harty: Apr. 54, 2000

Conários de Agrendingers Africa









## THE COURSE



### **FORMAT**

**6 Modules** with around **30 hours** effort rate

**Contents**: Text, videos, diagrams with CC-BY license

**Evaluation**: tasks and quizzes

Accessibility and Usability was taken into consideration during the course development.

### **TARGET**

It's aimed first at researchers and doctoral students - providing the basic knowledge and skills to start managing their research data.

But also useful to **other professionals** who support research data management activities.



### **GOALS**



- Understand the diversity of research data and its management needs;
- Gain basic skills for developing data management plans;
- Get to know the policies and requirements of the main science funders in Portugal;
- ■To become familiar with **best practices** when working with data, from data set up and documentation, to data storage;
- •Get to know the **tools available** for data sharing, including depositing processes in open repositories and other data storage services;
- •Identify the legal issues related to licensing, data protection and ownership.



## COURSE MODULES



1 - Introduction to Research Data Management



2 - Data Management Plans



3 - Documenting and organizing data



4 - Data licensing and data protection



5 - Sharing and depositing data in repositories

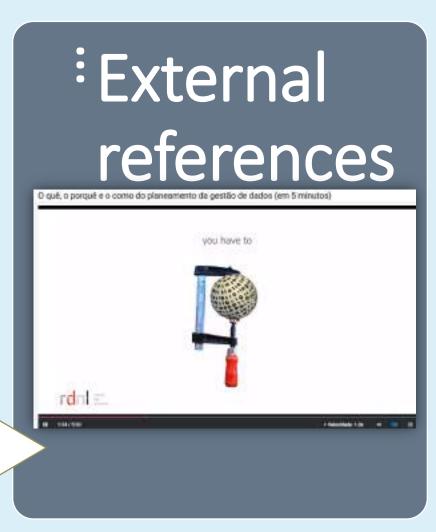


6 - Funders requirements for data sharing and publishers policies for data availability

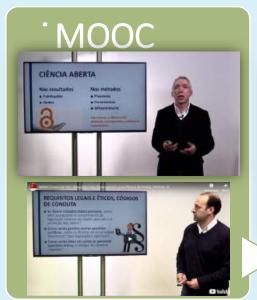
## Structure: multimedia + textual content







+ additional resources ...



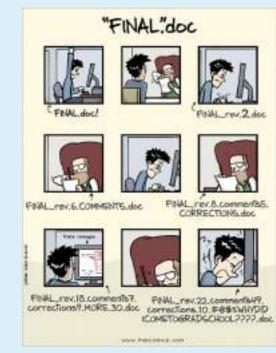














Digitalbevaring.dk



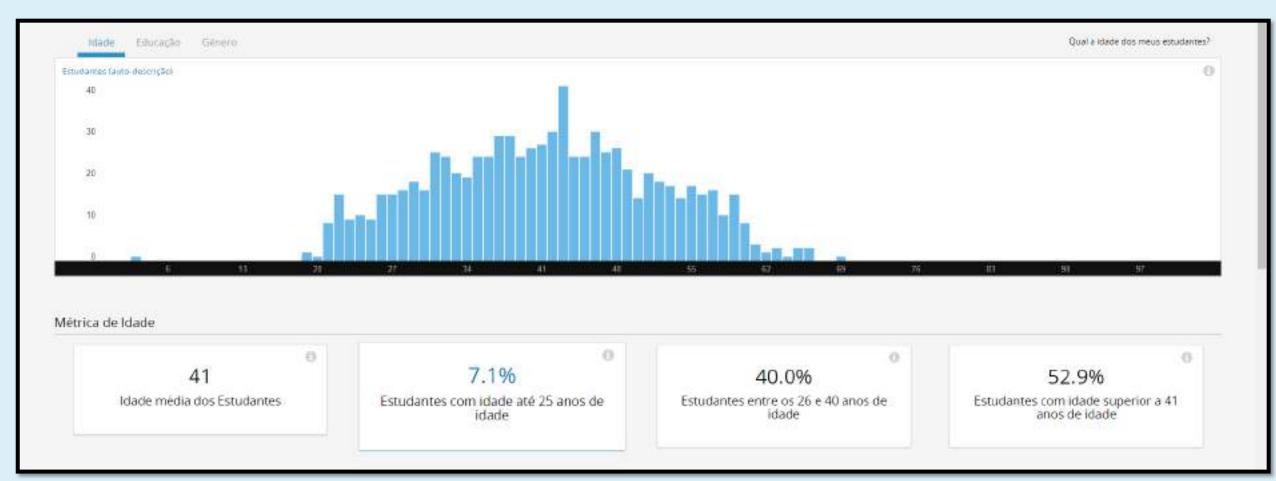
### Is not!



- It is not a course for specific disciplinary needs
- It is not a course for senior researchers
- It is not a deep level course, but it details some of the more relevant areas ...

- ✓ But, it is a valuable course for a general needs perception during the planning process.
- ✓ And with very practical tips for data management plans or research data setup!

## Registrations = 1516 / 418 get the certificate age = 41 average

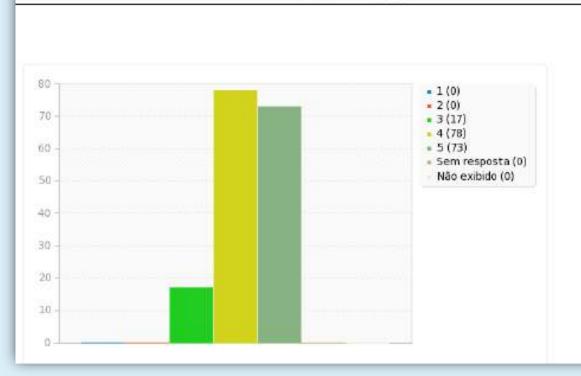




## Assessment Survey MOOC 168 answers / 327 \ (168 answers / 327)

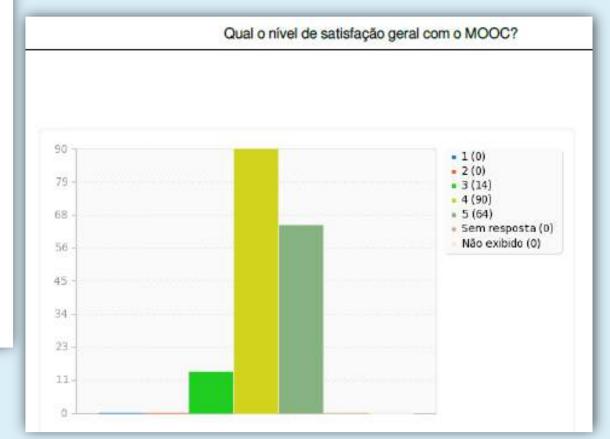


A realização deste MOOC contribuiu para o aprofundamento dos seus conhecimentos na Gestão de Dados de Investigação?



Did the MOOC contribute to the deepening of your knowledge?

#### Overall satisfaction level





## Lessons learnt



### **FORMAT**

Relevance of good videos or graphics to achieve better impact on training.

Short blocks of content.

Revise the duration.

CONTENT

Clear structure with short blocks of content.

Difficult of prepare high quality quiz for the different modules.

•••

•••



FOSTERING THE PRACTICAL IMPLEMENTATION OF OPEN SCIENCE IN HORIZON 2020 AND BEYOND

## main FOSTER project outputs and some lessons learnt





## Main outputs (May 2017-April 2019) http://fosteropenscience.eu/

## OS Training handbook

- Practical guidance
- Illustrations

### **OS Toolkit**

- Targeted to researchers
- Practical content

## Learning paths

Open Access Open data specializations

### **Portal**

- Trainers corner
- Resources & directory

### Open Science Training Handbook

Available as GitBook and for download (PDF, epub, mobi)

- · CC 0 license to enable simple re-use
- Portuguese and Spanish versions completed (French and Greek ongoing)

### book.fosteropenscience.eu







## Much more than a project... a training support network

### **SUCCESS STORIES**







## Much more than a project... a training support network

- Consolidation of an Open Science trainers network
- Leveraging and amplifying the institutional and community capacity for OS training
- Building synergies with relevant OS initiatives

Importance of the clear definition of LEARNING **OBJECTIVES.** 

**Supported in a Open Science TAXONOMY.** 

### USE FOSTER TO:



#### Access Courses

Put Open Science into practice with our Open Science training toolkit, Our courses are authored by experts and experienced educators.



#### Earn Badges

follow our learning paths to specialisations.



#### Participate

Get recognised for taking our courses and Join our community of trainers and access. Use the Open Science training handbook. our Trainers' Corner.



#### Promote Open Science

In a variety of formats and languages.



## What Open Science training tools should include...









## **OpenAIRE Open Science Helpdesk overview**



## SUPPORT COORDINATION AND HELPDESK

Helpdesk resources (guides, faqs, fact sheets...)

Ticketing system (ask a ?)

Support activities (by NOADs)







## OA, OPEN DATA, RDM & OPEN SCIENCE TRAINING

OA, Open Data, RDM and Open
Science Training
How-to style resources that set
OS principles into practice
National OA, Open Data, RDM
and OS training programmes



### **OPENAIRE SERVICES TRAINING**

Support materials and training activities on OpenAIRE's services and products

### **OPEN SCIENCE TRAINING**

Learn how to practice open and FAIR science



openaire.eu/support

Open Access Basics

An Open Access primer to get you started

### An RDM Handbook

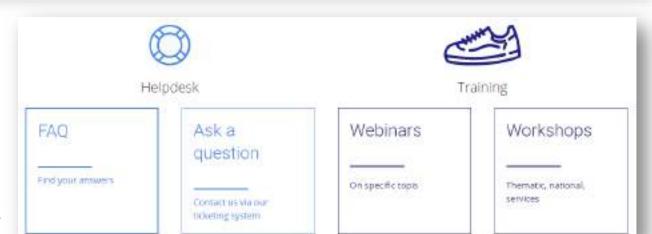
A primer on managing your research data

### Guides on policies and services

Howto's on practicing open science and using OpenAIRE services

#### Factsheets

Quick references on open science topics for researchers, administrators, funders, etc.







Guides for Researchers

### Data formats for preservation

What you need to know when creating a DMP

Guides for Researchers

### How do I license my research data?

Learn more about licenses for research data and how to apply it

### OpenAIRE HOW TO FIND A TRUSTWORTHY REPOSITORY FOR YOUR DATA Where will the data and associated metadata, documentation and code from H2020 projects be deposited? **NEW GUIDE FOR RESEARCHERS**

## OS & RDM Guides

Guides based on the common questions that different stakeholders have about putting open science into practice.

30 Guides



www.openatre.eu/guides







OpenAIRE guides



## Pedro Principe, University of Minho pedroprincipe@sdum.uminho.pt



Universidade do Minho Serviços de Documentação

## Thank you

Brain@Work - Distance Meeting Agenda, May 19th 2020

