



Development of Training Initiatives within each University

Deliverable 5.5

(due to M36, December 2023)

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1. Deliverable identification

Deliverable No. and Title	D5.5. Development of Training Initiatives within each University
Leader	Prof. Godfrey Baldacchino (UM)
Related task(s)	Task 5.5
Authors	Prof. Aldo Drago (UM) Open Science Ambassadors and Technical Managers Prof. Godfrey Baldacchino (UM)
Dissemination level	Public
Due submission date	31/12/2023
Submission	28/11/2023
Project number	101017454
Start date of project	01/01/2021
Duration	36 months
<p>Task 5.5 provides a coordinated training effort on Open Science in the respective SEA-EU universities. The training activities are executed through the support of designated Open Science Ambassadors, following a common training plan. The activities are intended to favour the practice of Open Science and Open Research Data, especially by academics, researchers and students, and supported by administrative and technical staff, to enhance the visibility, impact and dissemination of the research developed in the Alliance, following principles, protocols and practices in favour of findable, accessible, interoperable and re-usable (FAIR) data.</p>	

2. Versions and contributions history

Version	Date	Modified by	Reason
Preparation of the activity reports	October 2023	Open Science Ambassadors and Technical Managers	Reporting by individual partners
First draft of the deliverable report	8 th November 2023	Aldo Drago	
Second draft of the deliverable report	12 th November 2023	Godfrey Baldacchino	Internal review
Final version	20 th November 2023	Technical Managers and OSAs of All partners	Final review

Final report of the deliverable D5.5 “Development of Training Initiatives within each University”

1. INTRODUCTION

The OSAs have the important role of providing the awareness, training and voice to Open Science and Open Research Data at the individual university level and within the context of SEA-EU, the *European University of the Seas*. In doing so, they need to be trained to do the job effectively by sharing efforts, taking advantage of the reSEArch-EU project deliverables (especially the RDM policy and Tool-kit) as well as by growing professionally via other available experiences and materials.

As far as reSEArch-EU is concerned, the mandate of the OSAs lasts until December 2023 (the end of the reSEArch-EU project), although discussions are already underway to extend the OSA mandate indefinitely. Meanwhile, the mandate entails a programme of OS activities at each university. The delivery of this programme is not necessarily replicated across the six universities engaged in reSEArch-EU, and demands the deployment of several communication and content skills by the OSAs. The project implementation has therefore catered to empower the OSAs to broaden their OS portfolio and be able to integrate new ideas and activities into their OS programme of activities.

An Open Data System is key towards enabling the long-term goal of SEA-EU to facilitate the exchange, use, re-use and wide dissemination of research data generated by the SEA-EU

universities. Such would occur within the context of an open science commitment and following the policy recommendations of the EC on the FAIR model implementation in the context of the European Open Science Cloud. Such a system starts from the data sourcing and management components, but goes beyond, serving as an interoperable system to organise and exploit data management and data sharing within a 'win-win' approach that serves complementary targets, namely: (i) internally within and between the six reSEArch-EU universities to synergise efforts between academics and with students; and (ii) with external parties such as relevant stakeholders, public and private endeavours, innovation incubations, policy makers and industry players in general. This is conducive to a consolidated and strengthened research base within the SEA-EU Alliance. It also provides the means to link SEA-EU to external parties in a practical and tangible manner.

The project builds on the existing SEA-EU expertise and nurtures new perspectives on how to tackle these challenges by joining the efforts of knowledge-generating institutions and decision-making bodies, aligned with the demands of stakeholders and with the needs of society. To work in this direction, we push to openly connect knowledge, expertise and resources from different units and research areas, across different universities and country-specific contexts, in a cost-effective way in order to address and help solve societal and environmental challenges.

2. DEVELOPMENT OF WORK AND RESULTS

2.1 The Open Science Ambassadors

The selection of a total of 25 young Open Science Ambassadors (OSAs) from the six partner universities involved in reSEArch-EU is already reported in the delivery report for Task 5.4. It is stressed here that all the OSAs have an academic background or participated in research activities; they are hence able to deal with open science and open research data issues from a practical and applicative point of view. Moreover, the coordination of efforts through organised project meetings and activities served to synergise their efforts, with empowerment through exchange in the process of execution. The main OSA training and exchange event was organised in Cadiz in the form of a practical 'train the trainers' event.

2.2 'Train the Trainers' Session in Cadiz

In the original plan the 'Train the Trainers' session was intended as a webinar with online participation. With the opportunity of Open Research Data Officers (ORDOs) and Open Science Ambassadors (OSAs) meeting together at Cadiz for the meeting on Open Science and Open Research Data in March 2023, it was decided to amplify the event and to organise a dedicated event on the second day of the meeting in Cadiz. The full programme of the session is reproduced below. The main aim of the meeting was to bring together ORDOs with OSAs so as to share a common agenda towards the complete execution of WP5. The programme of the meeting served for the OSAs to gain detailed knowledge on the SEA-EU Research Data Management Policy Framework, and on actions planned to synergise the partner universities to apply Open Science practices and principles. The meeting also served to bring the OSAs in tune together so that they better understand their role and can conduct common plans. The

second day of the meeting was mainly dedicated to the OSA programme; the role of the OSAs was further assessed with interventions on outreach and awareness, on promotion, education and discussion with users on the benefits of Open Science, Open Research Data and the value of sharing research outputs and data generally. The programme also served to strengthen the role of the OSAs in empowering and supporting users, and a 'Train the Trainers' session served to guide the OSAs in their delivery to enable and effectively provide the tools to users. The 'Train the Trainers' session also provided an interactive experience between ORDOS and OSAs to exchange skills, ideas and knowledge with the target of creating material, plans and activities to effectively deliver Open Science concepts to academics, researchers and students.

The OSAs have the important role of providing the awareness, training and voice to Open Science at the individual university level and within the context of SEA-EU, the *European University of the Seas*. In doing so, they need to be empowered to do the job effectively by: sharing efforts; taking advantage of the reSEArch-EU project deliverables (especially the RDM policy and Tool-kit); as well as growing professionally by means of other available experiences and materials.

The mandate of the OSAs until the end of the reSEArch-EU project consisted of a programme of OS activities at each university, including both outreach and training elements. The outreach activities are described in deliverable report D5.4, whereas this report deals more specifically with the training element. The delivery of the training activities was intentionally designed with a very heterogeneous approach in mind across the six universities, with different approaches being elaborated and tested for the training activities. The 'Train the Trainers' Session served to further sensitise and empower the OSAs to broaden their OS portfolio and be able to integrate new ideas and activities into their OS programme of activities.

Programme of the Train the Trainers Session conducted on 22nd March 2023

11:30am – 1:00pm	Introduction to the Train the Trainers Session Moderators/Guides: Katarzyna Swierk, Aldo Drago, Godfrey Baldacchino, Practical Session <ul style="list-style-type: none"> The participants are divided into three groups and are tasked to create an OS project composed of complimenting activities to be elaborated and used in the project OSA programme of activities. (90')
2:30pm – 4:00pm	Train the Trainers Session (cont.) Moderators/Guides: Katarzyna Swierk, Aldo Drago, Godfrey Baldacchino, <ul style="list-style-type: none"> The participants present their projects, and proposed activities are discussed. (90') Closing of the 'Train the Trainers' session (15') – Project presentation by each group – 15 minutes/group

The main event in the session was the practical component. After a joint introduction and briefing session, the participants worked in three groups and then presented in plenary. This obliged the participants to be creative and to share ideas openly, especially in the context of planning cross-university activities and joint events between more than one university. At the end, a consolidated joint report from the three teams was prepared. This document is serving as a guideline for each university to organise its OSA activities.



Participants at the meeting on Open Science and Open Research Data in Cadiz, Spain (March 2023).

Each team planned the practical and organised the work such that at the end they will prepare a programme of activities on selected Open Science thematics. Teams were selected two weeks ahead of the event so that they could organise themselves and interact ahead of the meeting in Cadiz, so as to plan and anticipate some highlights on their practical session execution. Teams worked independently and were free to choose their focus, while keeping to the several suggested objectives (not exhaustive):

- promote ORD policy
- propose the implementation of ORD policy using the ORD toolkit
- propose appropriate organisational changes
- introduce training elements for the academic community
- use contacts within the SEA-EU Alliance
- identify problems related to ORD and Open Access (through surveys, focus groups, etc.)
- disseminate research results
- involve citizens in joint research activities
- promote science in social media

They presented their work in the form of a PowerPoint presentation in the afternoon session, as well as a joint report after the meeting.

The composition of the three teams is given below. Highlighted names are the co-leaders of the respective teams.

Team 1

FULL NAME	UNIVERSITY
Roland Gautier	University of Western Brittany
Rosario Gestido del Olmo	University of Cadiz
Josianne Camilleri Vella	University of Malta
Kevin J. Ellul	University of Malta
Boris-Marko Kukovec	University of Split
Łukasz Rąbalski	University of Gdansk
Peer Kröger	University of Kiel
Beatriz Díaz	University of Cadiz
Tanguy Haute	University of Western Brittany

Team Mentor: Godfrey Baldacchino, University of Malta

Team 2

FULL NAME	UNIVERSITY
Sofian Berrouguet	University of Western Brittany
David Lucena-Anton	University of Cadiz
Audrey Zammit	University of Malta
Ljiljana Poljak Bilić	University of Split
Ritienne Gauci	University of Malta
Natasza Kosakowska-Berezecka	University of Gdańsk
Julia Prieß-Buchheit	University of Kiel

Team Mentor: Aldo Drago, University of Malta

Team 3

FULL NAME	UNIVERSITY
Jose A. Moral-Munoz	University of Cadiz
Raelene Galea	University of Malta
Jesús Fernández García	University of Cadiz
Carmen Franco Barroso	University of Cadiz
Fiona Sammut	University of Malta
Mirko Gabelica	University of Split
Thilo Paul-Stueve	Kiel University
Edna Hernández - González	University of Western Brittany

Team Mentor: Katarzyna Świerk, University of Gdansk

The full report on the session is included as a separate report in the annex.

2.3 Coordination of the OSA training activities

Following the meeting in Cadiz, the OSAs were coordinated by the University of Malta to actively follow a concerted effort to deliver a full programme of OSA activities during 2023, as well as to make a greater presence and visibility of the Open Science initiatives on the SEA-EU project website with the support of the University of Cadiz. The success of this task demanded a coordinated effort between the Open Science Ambassadors to jointly plan and execute the project's Open Science and Open Research Data training events. Within one month from the 'Train the Trainers' event in Cadiz, and basing on the exchange of ideas and target set at that meeting, each partner prepared a list of proposed training activities to be executed by the end of the project. The OSAs within and between the SEA-EU universities built these activities in a collaborative manner, sharing and exchanging training ideas. A joint document listing the activities by all partners was prepared by May 2023, with details on the target audience, a target date of delivery and a key responsible OSAs for each activity. This was necessary to ensure an organised plan of action with firm commitments of execution.

The training events are of different nature, targeting different age groups and audience categories (academic, public and specialised users). Each activity was planned, executed and reported following common agreed templates.

The training activities are listed below, by university:

UM

DOC 6060: Introduction to Open Science: Embracing Principles of Transparency and collaboration in doctoral research

A new, 3-hour workshop to be offered within the Doctoral School's Personal Development Training Programme. Workshop content went through process of review by UM Doctoral School and approved by its Professional Development Committee.

Workshop description: <https://www.um.edu.mt/courses/studyunit/DOC6060>

DOC6061: Allies of Open Science: The Supporting Role of Statistical and Library Data Repositories

A new, 3-hour workshop to be offered within the Doctoral School's Personal Development Training Programme. Workshop content went through process of review by UM Doctoral School and approved by its Professional Development Committee.

Workshop description: <https://www.um.edu.mt/courses/studyunit/DOC6061>

Freshers' week library tour

A brief talk about Open Science during the library tours held during Freshers' week

Launching of Data Repository at the University of Malta

The University of Malta (UM) has chosen Figshare as its designated infrastructure for the data repository. Introducing the brand name "drUM" (data repository University of Malta), the official launch of drUM is scheduled for the current year.

Webpage with guidelines on data and how to upload it on the data repository

A comprehensive online platform will be established to provide valuable insights into research data and the associated data repository. This webpage aims to offer invaluable guidance to researchers and principal investigators regarding various aspects such as data definition, optimal storage and preservation practices, data sensitivity, and the seamless process of uploading data onto the designated repository.

CADIZ

Presentation of National Strategy for Open Science

Two presentations of Introduction to the Open Science

Presentation of Services of Research Support and Open Science in the Library of the University of Cadiz

Two presentations of Open Data practices at the University of Cadiz

Two presentations of Citizen Science Projects at the University of Cádiz

KIEL

Prelude to the Open Science event series organised as part of the FYORD Science Café, a World Café on the question "How do I use Open Science for my research?"

The SEA-EU Staff WEEK Open Science and Research Integrity. The three-day intensive program features expert lectures, interactive workshops and roundtable discussions on applying the principles of research integrity and open science.

Coffee Lectures in WS 2023/24

"Open science for beginners."

The advantages of open science for scientists will be presented in the lecture and the discussion. Various open science practices and stumbling blocks will be discussed together.

Coffee Lectures in WS 2023/24

"Open Data SH & Open Data@CAU"

Coffee Lectures in WS 2023/24

"FAIR & Open Research Data".

SPLIT

Open Access Workshops organized by the Library Department of Research Services and Development and the University of Split. These activities were designed to promote Open Science principles and applications in the academic community.

This course was designed to be accessible to a wide range of participants, including researchers, students, teachers from diverse fields, librarians, and data enthusiasts. It was open to individuals who wish to gain a deeper understanding of research data management within the context of the research data life cycle.

The primary goal of these courses was to raise awareness in the Croatian research community about the importance of effective data management throughout the research data life cycle. To succeed, a cultural shift in the research community is needed to motivate researchers to practice RDM actively, as they are the primary data producers and users.

Online workshop on the management of research data, organized by SRCE

OS info session

The SEA-EU open science ambassadors presented the principles of fair data, why open science and open data are important, and how one can increase and deepen open science in practice

Online training on the art of communicating a scientific message in the Blue-Connect project, work package 1 of the Awareness Campaign

A workshop providing participants with a comprehensive understanding of various scientific topics, tools, and practices, fostering collaboration and knowledge sharing within the research community.

UBO

Open Science introductory session for PhDs and Post-doctoral students – “Write a Data Management Plan. Initiation”

Open Science Training sessions for PhD students

GDANSK

Open Science introductory session for PhDs and Post-doctoral students – “Write a Data Management Plan. Initiation”

Open Science Training sessions for PhD students

A total of 28 training activities were organised. Each activity was planned, executed and reported following common agreed templates. The full details of these activities are described in the annexed individual outreach activity reports. Activities can be categorised into those which targeted specialised or distinct audiences versus those which were aimed to a more general and less experienced audience. Some of the training events were prepared in the context of broader Open Science events; while other, more specialised events targeted dedicated courses in Open Science practice to be delivered regularly in the future within existing university frameworks.

In the planning and execution of these activities, the OSAs worked closely with the Open Research Data Officers (ORDOs) so as to take stock of the project deliverables prepared in Tasks 5.1, 5.2 and 5.3 which needed to be integrated into the communications and target dissemination goals on open science and open research data. In particular, the OSAs reflected critically on the ORDOs actions, especially with regard to the SEA-EU Research Data

Management Policy Framework and its implications as to how this will affect the flow of research data at the SEA-EU Alliance and at individual university level.

Each university kept a detailed record of the individual OSA activities. This was done through the adoption of a common WORD .docx template for the listing of training activities and updating of the related documents. This listing was maintained as a living document on the project repository. It included both the executed and planned activities, and was shared with the other OSAs for information, sharing of ideas and exchange. These individual files were kept on the Project repository in the respective partner sub-folders. For the sake of completeness, these individual files also listed the previous OS activities undertaken in the project since its start in 2021.

The reporting of each activity was done in the form of proceedings describing in detail the activity, and included the following information:

- Short intro/announcement
- Agenda or description of activity
- Audience
- Outcomes/Discussions from the meeting
- Pictures
- Promotional material in the annex

Ancillary material (like powerpoint presentations, pictures, videos, notes, announcements, visual aids, etc) dedicated to the activity was also compiled and shared, serving as resource material for other OSAs as well as for future use.

The OS activities were also given ample promotion at the level of the individual universities, of the project, and of the SEA-EU Alliance. The promotion of an activity is essential for its successful impact on attending audiences. The promotion process depended on the nature of the activity and the target audience. Promotion usually started at least one month ahead of the activity. The promotion is limited to the level of the individual university in the case of activities delivered in the native language or targeting a local audience; in such cases, the promotion was mainly made at an internal university level or local level. Where relevant, promotional features could also be delivered on the project website and social media, serving to showcase the project engagements.

At the end of each activity, each partner completed the detailed training report described above, and these final reports are included in the annex of this report.

3. RECOMMENDATIONS AND FOLLOW-UP

The reSEArch-EU project kick-started the efforts of the newly designated Open Science Ambassadors in the organisation of a range of diverse and high quality training activities in Open Science and in Open Research Data. This flurry of activities has served to build a resource patrimony and capacity on which SEA-EU can continue to rely in order to push Open Science towards reaching its full potential in the universities that comprise the SEA-EU

Alliance. We are fully aware that nothing short of a cultural change is needed to achieve the implementation of Open Science principles. This is an ongoing process that must be supported by a coordinated and targeted continuous training effort, organised and delivered at the level of the Alliance.

The current project has brought together competent and young Open Science Ambassadors who have learnt to work together, sharing and implementing training ideas to reach out to different audience categories, aiming to support them in applying Open Science principles and practices. Training efforts are directed to pass on the knowledge, skills and sensibility that are needed to manage open research workflows, following a collaborative and team approach. These endeavours support, nurture and connect an emerging Open Science community that believes, promotes and practises knowledge and data sharing to favour multiplier effects, while promoting the valorisation and full exploitation of research efforts.

It is important that the network of OSAs created under this Project continues to function, and is further consolidated and mainstreamed by, for example, creating a SEA-EU Office for Open Science that merges and coordinates joint efforts across the allied universities. The best training experiences achieved in the Project need to be exploited and organised at a SEA-EU level, providing a common reference framework and shared effort to deliver and enrich Open Science training to academics, researchers and students through regular, targeted and common Open Access and Open Science curricula.

The SEA-EU Open Science Office would network and mentor the OSA groups at the local university scale, serving as a guide to keep efforts in synergy, creating joint Open Science teaching structures, as well developing common tools to facilitate and fully unlock Open Access practice.

ANNEXES

- Report on the 'Train the Trainers' Session
- Six individual implementation information files are included as annexed documents to this deliverable report. Each file refers to training activities implemented by individual partners during the project lifetime.



WP 5: Training Initiatives within each University

Record of Training Activities

UNIVERSITY OF CADIZ



This document lists the activities and events that the reSEArch-EU Open Science Ambassadors have achieved or are planning to organize during the project's duration.

A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a common Open Science Programme report that will showcase the endeavors of the Ambassadors in delivering outreach activities and learning events on Open Science, Open Research, and Open Research data to academics, students, and the public. These events will serve to promote the concepts of Open Science and strengthen the culture of openly sharing research outcomes and data without restrictions. This will help avoid unnecessary repetition, build more effectively upon previously acquired knowledge, and ultimately deliver efficiently in research endeavours. The Open Science Ambassadors are also mandated to raise awareness and visibility of the university structures that support open science and help facilitate their use.

LIST OF OPEN SCIENCE AMBASSADORS

Name & Surname	Email Address	Position	Department
David Lucena	david.lucena@uca.es	Professor's assistant	Department of Nursing and Physiotherapy of the University of Cadiz
José Antonio Moral	david.morales@uca.es	Associate Professor	Department of Nursing and Physiotherapy of the University of Cadiz

LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Name of Report	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	Presentation of National Strategy for Open Science	26.10.23	National Strategy for Open Science	Scientific society: professors, researchers, Students	65	Jaume Puy Rector of the University of Lleida (Spain) and President of the Commission for Open Science of the Conference of Rectors from Spanish Universities (CRUE)
2	Two presentations of Introduction to the Open Science	26.10.23	Introduction to the Open Science	Scientific society: professors, researchers, Students	65	David Lucena, José Antonio Moral Professors at the University of Cadiz
3	Presentation of Services of Research Support and Open Science in the Library of the University of Cadiz	26.10.23	Services of Research Support and Open Science in the Library of the University of Cadiz	Scientific society: professors, researchers, Students	65	Jesus Fernandez Garcia, Carmen Franco Barroso Library Technicians at the university of Cadiz
4	Two presentations of Open Data practices at the University of Cadiz	26.10.23	Open Data at the University of Cadiz	Scientific society: professors, researchers, Students	65	Rafael Rodríguez Galván, Kevin Valle Gómez
5	Two presentations of Citizen Science Projects at the University of Cádiz	26.10.23	Citizen Science Projects at the University of Cádiz	Scientific society: professors, researchers, Students	65	Laura del Río, JuanCeballo Professors at the University of Cadiz

Open Science Day: from Open Access and Open Data to the engagement of the society



Figure caption: From left, Jesús Fernández, Mariia Iamkovaia, Laura Martín, Fidel Echevarría, David Jiménez

As part of the International [Open Access Week](#), the reSEArch EU project team from the European University of the Seas (SEA EU) and the Library, Archives, and Publications Area at the University of Cadiz jointly organized “Open Science Day: From Open Access and Open Data to Citizen Involvement.” This even occurred on October 26 at the University of Cádiz.

The conference attracted nearly 100 participants, including young researchers, PhD students, professors, and students. It was conducted in a hybrid format, with attendees joining in person, virtually, and through live [streaming on the SEA EU YouTube channel](#).

The conference commenced with opening remarks from distinguished individuals, including David Jiménez, the General Director of Management and Support for R&D&I; Fidel Echevarría, the General Coordinator of the SEA EU Alliance; Jesús Fernández, Director of the Library Area at the University of Cádiz; and Prof. Laura Martín, the Coordinator of reSEArch-EU. Additionally, Jaume Puy, the Rector of the University of Lleida and President of the Open Science Commission of CRUE, delivered a keynote address.

During the speech, Jaume Puy emphasized the guidelines outlined in the LOSU and the Law of Science and Technology related to Open Science, as well as the transformative impact on research evaluation practices. He shared long-term strategies for advancing research through Open Science, aiming to promote innovation, visibility, impact, and reproducibility.

The event also featured a discussion on Open Science led by the [Open Science Ambassadors](#) from the University of Cadiz (reSEArch EU team), David Lucena and José Antonio Moral. Carmen Franco and Jesús Fernández (Open Research Data Officers) presented various tools available to researchers at the university, ranging from the [Scientific Production Portal](#) to the “Toolkit” for practicing [Open Science](#). Jesús Fernández underscored the pivotal role played by the reSEArch EU Team, in collaboration with the UCA library team, in formulating a unified Open Science strategy for the SEA EU University Alliance.

In the concluding segments, Rafael Rodríguez and Kevin Valle shared their experiences with Open Data, while Laura del Río and Juan Ceballo showcased diverse strategies and [examples of Citizen Science Projects](#).

Identification

Event	Open Science Day: from Open Access and Open Data to the engagement of the society
Venue	Sala Argüelles (Edificio Constitución 1812), University of Cadiz
Date	Thursday, October, 26 – 2023
Time	09:30 at 14:30 (CET)

Agenda

Item 1 9:30- 10:00	Opening ceremony <ul style="list-style-type: none"> David Jiménez Pavón - General Director of Management and Support in R+D+I Fidel Echevarría - General Coordinator of the Alliance SEA – EU Laura Martin – Coordinator of the reSEArch-EU
Item 2 10:00-10:45	National Strategy for Open Science <ul style="list-style-type: none"> Jaume Puy, Rector of the University of Lleida. President of the Commission for Open Science of the CRUE (Conference of Rectors of Spanish Universities)

Item 3 10:50-11:30	Open Science Ambassadors <ul style="list-style-type: none"> • <i>David Lucena, Professor's assistant of the Department of Nursing and Physiotherapy of the University of Cadiz</i> • <i>José Antonio Moral, Professor of the Department of Nursing and Physiotherapy of the University of Cadiz</i>
Item 4 11:30 – 12:00	Coffee break
Item 5 12:05-12:45	Services of Research Support and Open Science in the Library of the University of Cadiz <ul style="list-style-type: none"> • <i>Carmen Franco Barroso, Head of the Research Support and Services Section, Library, Archives and Publications Area of the University of Cadiz</i>
Item 6 12:50-13:35	Open Data en la Universidad de Cádiz <ul style="list-style-type: none"> • <i>Rafael Rodríguez Galván, Professor of the Department of Mathematics of the University of Cádiz</i> • <i>Kevin Valle Gómez, Substitute Professor, Department of Computer Engineering, University of Cadiz, Spain</i>
Item 7 13:40-14:20	Citizen Science Projects at the University of Cádiz <ul style="list-style-type: none"> • <i>Laura del Río, Professor of the Department of Earth Sciences of the University of Cadiz</i> • <i>Juan Ceballo, Researcher at the Biology Department of the University of Cadiz</i>
Item 8 14:25-14:30	Adjournment

URL: [Open Science Day: from Open Access and Open Data to the involvement of the public – reSEArch-EU \(sea-eu.org\)](https://sea-eu.org)

ACTIVITY 1 : National Strategy for Open Science

Date : October 26, 2023

Venue : Sala Arg  lles in Edificio Constituci  n 1812 at the University of Cadiz

Event : Open Science Day: from Open Access and Open Data to the involvement of the public

Attendees : Scientific society: Professors, Researchers, Students, and others

Presenters : Jaume Puy

Description : Jaume Puy delivered a presentation titled 'National Strategy for Open Access to Science'

Juanme Puy delivered a highly informative presentation, focusing on key aspects of Open Science in Europe and Spain. He highlighted the macro-regulations, the Spanish Open Science Strategy, and recent initiatives. Furthermore, Jaume Puy emphasized the regulatory changes affecting research assessment outlined in the LOSU and the Law of Science and Technology. As the head of the Open Science Commission, he provided insights into the long-term plans aimed at fostering innovation, increasing research transparency, enhancing its impact, and improving reproducibility through the application of Open Science practices.



ACTIVITY 2 : Introduction to the Open Science

Date : October 26, 2023

Venue : Sala Argüelles in Edificio Constitución 1812 at the University of Cádiz

Event : Open Science Day: from Open Access and Open Data to the engagement of the society

Attendees : Scientific society: Professors, Researchers, Students, and others

Presenters : David Lucena, José Antonio Moral

Description :

1) David Lucena made the presentation entitled 'Open Science: Definition, Taxonomy, and Benefits.'

David Lucena, a professor at the University of Cadiz working in the field of Open Science activities, emphasized the significance of this work. He highlighted the beneficial aspects of Open Science and addressed the challenges associated with incorporating a larger number of researchers. While Open Science offers numerous advantages, it is not without its drawbacks, such as concerns related to data privacy, intellectual property, and the need for fair recognition and rewards for researchers. Nevertheless, Open Science is gaining popularity as a significant and revolutionary method for conducting and disseminating scientific research.

2) José Antonio Moral made a presentation on 'Link between Open Science and Citizen Science.'

During the session, Jose Antonio Moral introduced the concepts of Open Science and Citizen Science. He also delved into the benefits of adapting Open Science practices for the research community, the public, and science. These practices promote greater transparency, encourage reproducibility, and foster collaborations, ultimately raising the quality standards in science. On the other hand, Citizen Science invites citizens to actively participate in the creation of knowledge, facilitating the direct transfer of scientific insights to society.



ACTIVITY 3 : Research Support for Services and Open Science in the Library of the University of Cadiz

Date : October 26, 2023

Venue : Sala Argüelles in Edificio Constitución 1812 at the University of Cadiz

Event : Open Science Day: from Open Access and Open Data to the involvement of the public

Attendees : Scientific society: Professors, Researchers, Students, and others

Presenters : Jesús Fernández García, Carmen Franco Barroso

Description :

Jesús Fernández García made the presentation titled 'Services of Research Support and Open Science in the Library of the University of Cadiz.' During this presentation, Jesús explained that the library of the University of Cadiz provides the following services:

- Grants support for researchers and open science access, facilitating the dissemination of the university's scientific output. This promotes transparency in research results and showcases collaborative efforts and their impact through the Portal of Scientific Production of the UCA.
- Promotes Open Science, enhancing the visibility, impact, dissemination, and free access to scientific and educational activities at the UCA. This is achieved through the Institutional Repository of the UCA (RODIN) and support for open publishing.
- Offers tools and indicators for evaluating research activities, both at the individual level (support for evaluation calls) and at the institutional level (analysis of UCA's production and support for internal evaluation processes through the Bibliometrics Unit).



ACTIVITY 4: Open Data at the University of Cadiz

Date : October 26, 2023

Venue : Sala Argüelles in Edificio Constitución 1812 at the University of Cadiz

Event : Open Science Day: from Open Access and Open Data to the engagement of the society

Attendees : Scientific society: Professors, Researchers, Students, and others

Presenters : Rafael Rodríguez Galván, Kevin Valle Gómez

Description:

1) Rafael Rodríguez Galván made a presentation entitled 'Open Data and Open Science at the University of Cadiz.'

Rafael Rodríguez Galván primarily shared his own experiences with Open Data and Open Science, drawing from his extensive years of work at the University of Cadiz. His presentation centered around several key aspects, including Free Software, definitions, ethical commitment, collaboration, data reuse, the promotion of open access through the virtual campus at UCA, and institutional data sharing legislation.'

2) Kevin Valle Gómez made a presentation entitled 'Open Data at the University of Cadiz.'

During the presentation, Kevin J. Valle-Gómez shared his experience with open data in the field of Software Testing, spanning from his initial steps in his PhD journey to the defense of his thesis. In this research domain, the availability of open data plays a crucial role in the dissemination of knowledge. Its absence can result in the the loss of invaluable work and solutions. Nevertheless, the scientific community is making significant efforts to address the issue of insufficient open data, aiming to consign it to the past.





ACTIVITY 5 : Citizen Science Projects at the University of Cádiz

Date : October 26, 2023

Venue : Sala Argüelles in Edificio Constitución 1812 at the University of Cadiz

Event : Open Science Day: from Open Access and Open Data to the engagement of the society

Attendees : Scientific society: Professors, Researchers, Students, and others

Presenters : Laura del Río, Juan Ceballo

Description:

1) Laura del Río made a presentation entitled ‘The Citizen Science Project COASTSNAP.’

CoastSnap is an international citizen science project initiated in 2017 by researchers at the University of New South Wales (Australia) (www.coastsnap.com). The project’s primary goal is to raise awareness in society about the importance of preserving beaches, and it seeks to engage citizens in monitoring any changes occurring in these coastal areas. To achieve this, volunteers capture photographs using their mobile phones, which are then shared through social networks, email, or a free app. This approach enables continuous and cost-effective monitoring of beach changes. The project’s results are also disseminated through the same channels, facilitating ongoing feedback and citizen participation. In summary, CoastSnap provides scientific education to the public, piques their interest in coastal dynamics, and offers valuable information for monitoring numerous beaches.

2) Juan Cebolla made a presentation entitled ‘Citizen Science vs. Marine Debris.’

Marine debris pollution stands out as one of the most prominent environmental issues of our time. To address this challenge, various citizen-led initiatives have emerged worldwide, with beach cleanups being the most common. An illustrative example is “Apadrina tu Playa,” an initiative carried out by the UCA Marine Debris Laboratory in schools to raise awareness among students. These citizen-driven actions generate a wealth of data and information. However, for this data to be useful on a global scale, it must be made comparable. To fulfill this purpose, the Global Garbage Observatory serves as an open access system dedicated to the collection and harmonization of data related to marine debris, ultimately translating this data into valuable and actionable insights.



ATTENDANCE LIST OF THE EVENT

SEA EU **research-EU** **UCA** **U3O** **CIAU** **University of Gdańsk** **University of Split** **L-Università ta' Malta**

Jornada Open Science

Del Open Access y Open data a la
Implicación de la ciudadanía

26 OCT 23
Sala Argelies (Fac. de CC Económicas y
Empresariales)
De 9:30 a 14:15h
Formato: Presencial (se retrasará online)

Inscríbete

<https://research.eu-es.org/jornada-open-science/>

SEA EU **research-EU** **UCA** **U3O** **CIAU** **University of Gdańsk** **University of Split** **L-Università ta' Malta**

The Open Science Day's attendance list

SEA EU **research-EU** **UCA** **U3O** **CIAU** **University of Gdańsk** **University of Split** **L-Università ta' Malta**

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reSEArch-EU



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CIAU
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017454



reSEArch-EU

WP 5: Open Science Ambassadors

Record of Outreach Activities
University of Gdansk 2023

This document lists the activities and events that the reSEArch-EU Open Science Ambassadors have achieved or are planning to organise during the project duration. A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a common Open Science Programme report that will the endeavours of the Ambassadors in delivering outreach activities and learning events on Open Science, Open research and Open Research Data to academics, students and the public in general. These events will serve to promote the concepts of Open Science and strengthen the culture of sharing openly and without restrictions research outcomes and data for further use by others to avoid unnecessary repetition, build more easily on already acquired knowledge, and ultimately deliver more and efficiently from research endeavours. The Open Science Ambassadors are also mandated to make more known, more visible the university structures supporting open science, and help to facilitate their use.

LIST OF OPEN SCIENCE AMBASSADORS

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reSEArch-EU



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017454

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Katarzyna Świerk	katarzyna.swierk@ug.edu.pl	Head of Science Office	Science Office UG

	Title	Brief description	Target dates	Venues	Target audience(s)	Main responsible persons for each event
1.	Sharing data in a repository - Workshop for scientists	During the workshop, researchers learned how to prepare datasets for sharing to comply with FAIR principles, and how to describe and deposit datasets in a research data repository. Participants also had the opportunity to deposit datasets in selected repositories.	17/02/2023	UG Library	scientists from the department of biology (20 participants)	Agnieszka Wasilewska, Zbigniew Ruszczyk
2.	Sharing data in a repository - part 2, Webinar for scientists	During the webinar, researchers learned how to prepare datasets for sharing to comply with FAIR principles, and how to describe and deposit datasets in a research data repository. We also demonstrated live how to deposit datasets in 3 selected repositories	02/03/2023	UG Library	scientists from the department of biology (15 participants)	Agnieszka Wasilewska, Zbigniew Ruszczyk
3.	Research data in the humanities - a presentation at the History Faculty Council	During the Faculty Council, we gave a short presentation on research data management and the requirements of research funding agencies to open data.	14/04/2023	UG Library	Employees of the Historical Department (about 80)	Agnieszka Wasilewska, Zbigniew Ruszczyk
4.	Research data in the social sciences - online presentation at the Council of the Faculty of Social Sciences	During the Faculty Council, we gave a short presentation on research data management and the requirements of research funding agencies to open data.	27/03/2023	UG Library	Researchers of the Faculty of Social Sciences (about 100)	Agnieszka Wasilewska, Zbigniew Ruszczyk

5.	How to Write a Data Management Plan for an NCN Grant Proposal - Research Data Management in the Humanities and Social Sciences by Gamification - workshops for PhD students	The workshop focused on the preparation of a Research Data Management Plan. Participants learned about the basics of research data management, risks and incidents related to the processing of research data, including personal data, mechanisms for securing them, and how they relate to NCN's recommendations for a Data Management Plan. The class consists of two parts - a DMP writing workshop and data security in a board game format.	17.05.2023 and 31.05.2023	UG Library	PhD students from the Doctoral School of Humanities and Social Sciences (9 students)	Agnieszka Wasilewska, Zbigniew Ruszczyk
6.	How to write a DMP according to NCN requirements? - Video	A brief guide to the Data Management Plan that shows how to complete the Research Data Management Plan in accordance with the requirements and recommendations of the National Science Center.	online access from 04.05.2023	online access: https://youtu.be/BLNWRTxgeKo?si=o0J3ViyRGctDEqur	researchers	Agnieszka Wasilewska
7.	Open Access Week - Openness in the Library - workshop and lectures	As part of the event, we led a workshop on opening and security of research data (6 participants). On the last day, we organized open talks given by librarians working on various dimensions of open science (about 60 people).	26-28.10.2022	UG Library	researchers, librarians	Agnieszka Wasilewska, Zbigniew Ruszczyk, Agnieszka Kranich-Lamczyk, Katarzyna Cherbetko-Zygmuntowicz

8	Opening the research data at Fahrenheit Universities - webinar	During the webinar, data stewards from the 3 universities that are part of the Fahrenheit union shared their knowledge of research data management and experiences from their training and meetings (RDA, EOSC Symposium, Data Steward School, among others)	19/06/2023	UG Library	Fahrenheit University employees	Agnieszka Wasilewska, Zbigniew Ruszczyk, Agnieszka Kranich-Lamczyk
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ACTIVITY 1 and Activity 2 (two workshops)

Proceedings of the workshops:

1. Discussion of FAIR principles - examples of data customization to be fair
2. Preparation of data for sharing - selection, cleaning, description
3. What a dataset should consist of
4. Proper description of data - metadata and readme file
5. Naming and organization of files
6. Preferred data formats
7. Versioning
8. CC licenses
9. Access models - when to use restricted access to data
10. Depositing data in Repod, MOST, Zenodo repository - practical exercises

ACTIVITY 3

Training Course:

1. What is research data - examples of data in the humanities
2. Reuse of existing data
3. Research data management plan
4. The FAIR principle
5. How important is proper description and documentation
6. What is metadata
7. Data storage and security
8. Legal aspects
9. Which data to share?
10. Repositories

ACTIVITY 4

Training Course:

1. What is research data - examples of data in the social sciences
2. Research data management plan
3. The FAIR principle
4. How important is proper description and documentation
5. What is metadata
6. Data storage and security
7. Research with human subjects - legal aspects
8. Which data to share?
9. Repositories

ACTIVITY 5

The class consists of two parts - a DMP writing workshop and data security in a board game format.

Proceedings of the workshop:

1. How to write a data management plan? Discussion of each point.

2. Practical tasks in the form of a quiz.
3. Introduction to data security principles.
4. Discussion of the rules of the game
5. Board game.

ACTIVITY 6

A brief guide to the Data Management Plan that shows how to complete the Research Data Management Plan in accordance with the requirements and recommendations of the National Science Center. The video discusses each point of the research data management plan required by the Polish funder.

<https://youtu.be/BLNWRTxgeKo?si=o0J3ViyRGctDEqur>



ACTIVITY 7

Proceedings of the workshop:

1. What is research data? - brainstorming
2. Why open data - SWAT analysis of strengths, weaknesses, opportunities and threats, related to opening data
3. DMP
4. FAIR principle
5. Data description and metadata
6. Storage and security
7. Repositories -task: searching Re3data
8. Board game

The course of the entire event was described in the university newspaper:

<https://gazeta.ug.edu.pl/otwartosc-w-bibliotece-glownej-ug/>

ACTIVITY 8

During the webinar, data stewards from the 3 universities that are part of the Fahrenheit union shared their knowledge of research data management and experiences from their training and meetings (RDA, EOSC Symposium, Data Steward School, among others)



WP 5: Open Science Ambassadors

Training Report

KIEL UNIVERSITY

This document lists the activities and events the reSEArch-EU Open Science Ambassadors have achieved or are planning to organise during the project duration.

A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a joint Open Science Programme report that will the endeavours of the Ambassadors to deliver outreach activities and learning events on Open Science, Open Research and Open Research Data to academics, students and the public in general. These events will promote the concepts of Open Science and strengthen the culture of sharing openly and without restrictions research outcomes and data for further use by others to avoid unnecessary repetition, build more quickly on already acquired knowledge, and ultimately deliver more efficiently from research endeavours. The Open Science Ambassadors are also mandated to make more known, more visible, the university structures supporting open science and help to facilitate their use.

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LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Name of Report	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	<p>For the prelude the Open Science event series becomes on September 12, 2023 in the time of 10:30 a.m. - 12:30 p.m as part of the FYORD Science Café, a World Café on the question "How do I use Open Science for my research?" take place.</p> <p>Location: LS1 - R.105a[1]</p> <p>More information on this in→Event Flyer</p>	Sept 12, 2023	FYORD Science Cafe	International PhD and Postdocs at CAU	30	Julia Priess-Buchheit, Christine Haunhorst, Nicole Schmidt
2	<p>The SEA-EU Staff WEEK Open Science and Research Integrity takes place from 14.-16. November 2023. The three-day intensive program features expert lectures, interactive workshops and roundtable discussions on applying the principles of research integrity and open science.</p> <p>More information on this in→ Event Flyer</p>	14.-16. November 2023	SEA EU Staff Week	SEA EU Staff from 9 Universities	20	Julia Priess-Buchheit, Ivan Buljan (OS Ambassador Split), Ana Marusic, Jonathan Dorgadoo
3	<p>Coffee Lectures in WS 2023/24</p> <p>"Open science for beginners."</p>	Tuesday, 10.	Coffee Lecture 1	CAU member	12	Julia Priess-Buchheit, Thilo Paul Stüve, Linda Zollitsch, Britta Petersen

	<p>Linda Zollitsch (Central RDM), Julia-Priess-Buchheit (Open Science Ambassador for Kiel University and SEA-EU)</p> <p>The advantages of open science for scientists will be presented in the lecture and the discussion. Various open science practices and stumbling blocks will be discussed together.</p>	October 2023				
4	<p>Coffee Lectures in WS 2023/24</p> <p>“Open Data SH & Open Data@CAU”</p> <p>Jesper Zedlitz (Ministerium für Digitalisierung Schleswig-Holstein), Thorge Petersen (Zentrales FDM), Ove Sörensen (Zenrales FDM)</p>	Tuesday, 14. November 2023	Coffee Lecture 2	CAU member	30	Thilo Paul Stüve, Linda Zollitsch, Britta Petersen, Julia Priess-Buchheit,
5	<p>Coffee Lectures in WS 2023/24</p> <p>“FAIR & Open Research Data”</p> <p>Thilo Paul-Stüwe (Zentrales FDM).</p>	Tuesday, 12. December 2023	Coffee Lecture 3	CAU member	30	Jesper Zedlitz, Thorge Petersen Thilo Paul Stüve, Linda Zollitsch, Britta Petersen, Julia Priess-Buchheit,

Report 1:

Open Science World Café (September 12th, 2023)

Short intro/announcement

How do I use Open Science for my research? This event kicked off the Open Science campaign at Kiel University and was for all FYORD members who would like to discuss meaningful sharing and the benefits of Open Science for their research.

Agenda

When: September 12, 2023, 10.30 to 12.30 h

Where: Kiel University,

Speaker: Julia Prieß-Buchheit, Open Science Ambassador for Kiel University and SEA-EU

Format: World Café along the following questions

1. How can we effectively integrate open science practices into our research processes to improve collaboration, reproducibility, and the overall impact of our work?
2. What are the most significant challenges or barriers to adopting open science principles in your research area, and how can we address them?
3. How can early career researchers play a role in promoting and shaping the future of Open Science at their institutions and in the wider scientific community?

Audience

FYORD PhD Students and PostDocs (10 participants).

Outcomes/Discussions from the meeting

Documentation is in process

Pictures

In process

Promotional material in the annexe

SCIENCE CAFÉ

How do I use Open Science for my research?

The current event kicks off the Open Science campaign at Kiel University and is for all FYORD members who would like to discuss meaningful sharing and the benefits of Open Science for their own research..

When: September 12, 2023 | 10.30 to 12.30 h

Where: Kiel University, Room tbd., (in attendance)

Speaker: Julia Prieß-Buchheit, Open Science Ambassador for Kiel University and SEA-EU

Format: World Café along the following questions

- How can we effectively integrate open science practices into our research processes to improve collaboration, reproducibility, and the overall impact of our work?
- What are the greatest challenges or barriers to adopting open science principles in your specific research area, and how can we address them?
- How can early career researchers play a role in promoting and shaping the future of Open Science at their institutions and in the wider scientific community?

FYORD Science Café

The event is open to all early career researchers from masters to postdocs at Kiel University and GEOMAR from all disciplines of marine sciences who want to get input for their research, intend to exchange new research ideas or seek for advice for their own career.

The FYORD Science Café takes place irregularly throughout the year. The topics for events are based on the needs of the early career researchers, but can also be developed and proposed by them on their own initiative.

www.fyord-kiel.org

Dr. Christine Haunhorst
FYORD Coordinator
chaunhorst@ems.uni-kiel.de

Registration

FYORD members: <https://fyord.planiglobe.com>

Non-members: Either register to the FYORD program via the link above or send an email (stating your affiliation, career phase and research area) to info@fyord-program.de

Please register till September 10, 2023.
For questions, please contact Christine Haunhorst (FYORD coordinator) at info@fyord-program.de

Report 2:

SEA-EU Staff WEEK Open Science and Research Integrity

Short intro/announcement

The SEA-EU Staff Week on Research Integrity and Open Science is a three-day intensive program hosted at Kiel University. The event, which runs from November 14th to 16th, offers a comprehensive schedule of expert talks, interactive workshops, and collaborative sessions to promote understanding and application of research integrity and open science principles for (future) researchers.

It was planned in collaboration between SPLIT and Kiel University.

Agenda

Teaching Staff Week

Research Integrity and Open Science

General information

Teaching Staff Week Title	Research Integrity and Open Science: From FAIR Principles to Reliability, Honesty, Respect, and Accountability in Research
Abstract: (few lines describing the teaching staff week that SEA-EU partners	The SEA-EU Staff Week on Research Integrity and Open Science is a three-day intensive program hosted at Kiel University. The event, which runs from November 14th to 16th, offers a comprehensive schedule of expert talks, interactive workshops, and collaborative sessions to promote understanding



reSEArch-EU



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Universidad de Cádiz

U3O

Universitat de Barcelona

CIAU

Universidad de Cádiz

University of Gdańsk



L-Università ta' Malta



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017454

can use for dissemination)	and application of research integrity and open science principles for (future) researchers.
Application deadline & registration form	<p>Please register before 15/09/23, end of the day.</p> <p>Registration form: - the SEA-EU office will produce the reg. form</p> <p>(if not working, please copy – paste in your browser)</p>
Dates of the teaching staff week	14 – 16 November 2023
Number of participants	Each SEA-EU university can propose up to 3 participants.
Mobility costs	KA131- STT mobility
Contact	<p>Quentin Sohet (SEA-EU Office – training and education coordinator) – qsohet@uv.uni-kiel.de and</p> <p>xxx</p>



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University of Gdańsk



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017454

Contents

Target group / Expected profile of participants	All staff from the SEA-EU Alliance who are planning or doing research.
Requirements	The program will be held in English.
Agenda	<p>Tuesday 14/11/2023</p> <p>Topics: Welcome and Introduction to Research Integrity and Open Science</p> <p>8:00 am - 9:00 am: Registration and Morning Coffee (SEA-EU Office)</p> <p>9:00 am - 9:30 am: Welcome Address by Kiel University Representative</p> <p>9:30 am - 11:00 am: Opening Keynote: "Research Integrity: Principles and Virtues" (Prof. Dr. Ana Marušić, Anatomy and Chair of the Department of Research in Biomedicine and Health at the University of Split, School of Medicine)</p> <p>11:00 am - 11:15 am: Coffee Break</p> <p>11:15 am - 12:45 pm: Interactive Workshop with Prof. Dr. Julia Priess-Buchheit (CAU): "Open Science: Principles, Practices, and Benefits"</p> <p>12:45 pm - 2:00 pm: Lunch Break</p> <p>2:00 pm - 3:30 pm</p>

Breakout Sessions: Getting active - Participants choose and conduct a Path2Integrity Learning card (two or three parallel workshops) 2

3:30 pm - 3:45 pm: Coffee Break

3:45 pm - 5:15 pm:

Breakout Sessions: Getting active - Participants choose and conduct a Path2Integrity Learning card (two or three parallel workshops) 2

5:15 pm - 5:30 pm: Closing Remarks for Day 1

Wednesday 15/11/2023

Topics: Reproducibility and Equality in Research

9:00 am - 10:30 am: Keynote: "Reproducibility in Research: Why It Matters and How to Achieve It" (Dr. Ivan Buljan, Faculty of Humanities and Social Sciences, *University of Split*)

10:30 am - 10:45 am: Coffee Break

10:45 am - 12:15 pm: Hands-on Workshop with: "Tools and Techniques for Enhancing Reproducibility in Your Research" (Dr. Ivan Buljan, Faculty of Humanities and Social Sciences, *University of Split*)

12:15 pm - 1:30 pm: Lunch Break

1:30 pm - 3:00 pm: Keynote: "Equality in Research: Challenges and Strategies for Inclusivity." (Katharina Miller, CEO Miller International Knowledge and Adjunct Professor, IE University)

3:00 pm - 3:15 pm: Coffee Break

3:15 pm - 4:45 pm: Interactive: "Promoting Equality and Diversity in Your Research Environment" (Katharina Miller, CEO Miller International Knowledge and Adjunct Professor, IE University)

4:45 pm - 5:00 pm: Closing Remarks for Day 2

Thursday 16/11/2023

Topics: Collaborative Learning and Practical Application

9:00 am – 10:00 am: Research Methodology regarding Open Science and Research Integrity (Prof. Dr. Michiel de Boer, Department of General Practice University Medical Center Groningen)

10:00 am - 12:00 pm: Group Project Work: Participants form groups to work on learning card Y2 Path2Integrity related to research integrity, open science, reproducibility, or equality.

12:00 pm - 1:00 pm: Lunch Break

1:00 pm - 2:00 pm: Roundtable Discussion with the Experts (Ana Marusic, Michiel de Boer, Katharina Miller and Julia Priess-Buchheit): "Future Trends and Developments in Research Integrity, Open Science, Reproducibility, and Equality"

2: pm - 5:00 pm: Collaborative Session: "Developing Personal Action Plans for Integrating Research Integrity and Open Science Practices"

17:00 – Social event

Audience

SEA EU STAFF from all Alliances universities. In total, 20 participants.

Summary

This is a summary of the SEA-EU Alliance staff training event on Open Science and Research Integrity held at Kiel University from 14th to 16th November 2023. The event was attended by 20 staff members from five universities within the alliance.

The training spanned three days, focusing on several key aspects of research, including integrity, open science, reproducibility, equality, and FAIR principles. Each day had a specific theme and included lectures, interactive workshops, breakout sessions, and discussions led by experts in the field.

Day one began with a welcome address and a keynote on Research Integrity by Prof. Dr. Ana Marušić. This was followed by an interactive workshop on Open Science led by Prof. Dr. Julia Priess-Buchheit.

Day two delved into Reproducibility and Equality in Research with keynotes and hands-on workshops by Dr. Ivan Buljan and Katharina Miller, respectively.

On the final day, Prof. Dr Ana Marusic and Prof Dr. Julia Priess-Buchheit led sessions on Data Management and FAIR principles regarding Open Science and Research Integrity, followed by group project work, and the day concluded with a roundtable discussion with all the experts and a collaborative session on developing personal action plans for integrating research integrity and open science practices.

The event was well received by the participants, who expressed gratitude for the opportunity to discuss these key areas and looked forward to applying the principles learned in their future research endeavors. The program ended with a social event and listening to the participants will be continued soon.

Promotional material in the annexe

See here: <https://researcheu.sea-eu.org/staff-week-research-integrity-and-open-science-in-kiel/>

In this lecture, we'll be focusing on two important data platforms: the Open Data Portal of Schleswig-Holstein and opendata@uni-kiel.de. The Open Data Portal of the Schleswig-Holstein region offers access to over 25,000 datasets covering various areas such as education, energy, healthcare, environment, and science. These datasets are made available for public use, mostly from governmental sources. Additionally, we'll take a closer look at opendata@uni-kiel.de, which serves as the institutional data repository for CAU Kiel. Here, you'll learn how this platform is a reliable resource for open research data for scientists and researchers. Together, we'll explore the possibilities and potential of these two data sources, which provide a rich data pool for research and analysis purposes. We will also discuss how Open Data and FAIR Data principles can strengthen the scientific community and contribute to transparency and collaboration in research. We welcome your questions and contributions to the discussion.

Audience

Open to all members of Kiel University.

25 attended

Outcomes/Discussions from the meeting

The data platforms in Schleswig Holstein are very easy to use and a good possibility to make researchers work openly accessible. The library support in decisions towards intellectual property rights.

Promotional material in the annexe

See also here: https://www.datamanagement.uni-kiel.de/en/activities/open-science?set_language=en



CAU
Kiel University
Christian-Albrechts-Universität zu Kiel
Forschungsdatenmanagement

Open Science Wintersemester 2023/24

Open Science baut Barrieren ab und fördert Transparenz, Kollaboration und Nachhaltigkeit. Diese Aktivitäten stellen wissenschaftliche Texte, Daten, Codes und Forschungsergebnisse digital zur Verfügung. Die Rechte der Forschenden werden dabei durch Lizenzen geschützt. Die Verfügbarkeit ermöglicht anderen Forschenden, die Ergebnisse zu überprüfen, weiterzuentwickeln und zu nutzen. Dies fördert eine effizientere und verständlichere Wissenschaft und einen breiteren Zugang zu Informationen. Alle CAU-Mitglieder, die sich über die Vorteile von Open Science für ihre eigene Forschung und darüber hinaus informieren und dabei unterstützen, sind herzlich eingeladen, an den Coffee Lectures im Wintersemester 2023/24 teilzunehmen!

- 10.10.2023 **Open Science für Einsteiger**
Christa Böhlich, M. A. (Zentralbibliothek)
Prof. Dr. Julia Prieth-Buchheit (Open Science Ambassador for Kiel University and SEA-EU)
- 14.11.2023 **Open Data SH & opendata@uni-kiel.de**
Dr. Anja Jäkel (Open Science Officer (Hochschule)),
Thorge Petersen M. Sc. (Zentralbibliothek), Dr. Silke (Zentralbibliothek)
- 12.12.2023 **FAIR & Open Research Data**
Prof. Dr. Silke (Zentralbibliothek)
- 9.01.2024 **Open Access an der CAU**
Dr. Kai Lohrström, M. A., M. A. (Universitätsbibliothek)
- 13.02.2024 **Reproduzierbare Forschung und Open Science**
Dr. Silke (Zentralbibliothek)
- 12.03.2024 **Looking abroad: Open Science in France**
Dr. Lutz Schellus (Institut für Ur- und Frühgeschichte)
- 9.04.2024 **Mitmachen, Forschen, Gestalten – Neue Wege in der Forschung mit Citizen**
Dr. Anja Jäkel (Open Science Officer (Hochschule))

Zeit: dienstags, 12:00 bis 12:45 Uhr
Ort: Die Veranstaltungreihe findet hybrid statt.
Lehrstuhl P. 24118 Kiel (Digitaler Lernraum der UB (DLR) und ZIDH)
<https://www.datamanagement.uni-kiel.de/aktivitaeten/open-science>

Vorankündiger: Dienststelle Forschungsdatenmanagement und Prof. Dr. Julia Prieth-Buchheit (PDI), Open Science Ambassador
Website: <https://www.datamanagement.uni-kiel.de/aktivitaeten/open-science>



WP 5: Open Science Ambassadors

Record of Training Activities

This document lists the activities and events that the reSEArch-EU Open Science Ambassadors have achieved or are planning to organise during the project duration.

A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a common Open Science Programme report that will the endeavours of the Ambassadors in delivering outreach activities and learning events on Open Science, Open research and Open Research Data to academics, students and the public in general. These events will serve to promote the concepts of Open Science and strengthen the culture of sharing openly and without restrictions research outcomes and data for further use by others to avoid unnecessary repetition, build more easily on already acquired knowledge, and ultimately deliver more and efficiently from research endeavours. The Open Science Ambassadors are also mandated to make more known, more visible the university structures supporting open science, and help to facilitate their use.

LIST OF OPEN SCIENCE AMBASSADORS

Name & Surname	Email Address	Position	Department
Ivan Buljan	ibuljan@mefst.hr	Postdoctoral researcher OSA	University of Split School of Medicine
Boris-Marko Kukovec	bmkukovec@ktf-split.hr	Assistant professor OSA	University of Split, Faculty of Chemistry and Technology
dr.sc. Mirko Gabelica	mgabelica@kbsplit.hr	Doctor of Medicine, Otorhinolaryngology specialist, PhD OSA	KBC Split · Department for otorhinolaryngology with head and neck surgery
Ljiljana Poljak Bilić	ljpoljak@svkst.hr	Librarian ORDO	University Library

LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Name of Report	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	Open Access Workshops organized by the Library Department of Research Services and Development and the University of Split. These activities were designed to promote Open Science principles and applications in the academic community.	2021-2022	Institutional Repository, Open Access, Open Science workshops	220	156 attendees, 16 workshops	Ljiljana Poljak (Library Department of Research Services and Development, University of Split)- ORDO
2	This course was designed to be accessible to a wide range of participants, including researchers, students, teachers from diverse fields, librarians, and data enthusiasts. It was open to individuals who wish to gain a deeper understanding of research data management within the context of the research data life cycle.	11-13 October 2021	Croatian Research Data Management Training Program: Supporting the Organization, Sharing, and Reuse of Research Data	25	20	Ljiljana Poljak (Library Department of Research Services and Development, University of Split)- ORDO
3	The primary goal of these courses was to raise awareness in the Croatian research community about the importance of effective data management throughout the	6 – 7 April 2022	Workshop at event Days of e-infrastructure DEI	40	30	Ljiljana Poljak (Library Department of Research Services and Development,

	research data life cycle. To succeed, a cultural shift in the research community is needed to motivate researchers to practice RDM actively, as they are the primary data producers and users.					University of Split)- ORDO
4	Online workshop Management of research data organized by SRCE	November 2021	Management of research data	50	30	Ljiljana Poljak (Library Department of Research Services and Development, University of Split)- ORDO
5	OS info session The SEA-EU open science ambassadors presented the principles of fair data, why open science and open data are important, and how you can increase open science in practice	20 June 2022	Introduction of Open Science	80	86	Ivan Buljan Mirko Gabelica
6	Online training on the art of communicating a scientific message in the Blue-Connect project, work package 1 of the Awareness Campaign	13 December 2022	Open science presentation	20	22	Ivan Buljan Mirko Gabelica
7	The workshop aims to provide participants with a comprehensive	August 2023	ProDeM Research Workshop 4: Artificial	16	20	Ivan Buljan

	understanding of various scientific topics, tools, and practices, fostering collaboration and knowledge sharing within the research community.		Intelligence as a Tool for Evidence-based Medicine Research			
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Activity 1

Title: Institutional Repository, Open Access, Open Science workshops

Dates: 2021-2022

Number: 156 attendees (16 workshops)

Participatns: Ljiljana Poljak Bilić

Description: Open Access Workshops organized by the Library Department of Research Services and Development and the University of Split. These activities were designed to promote Open Science principles and applications in the academic community. We have organized, from 2021, 16 workshops about Open Access and on Faculties of the University of Split. The targeted audience was employees of the University of Split (teachers, and supporting staff). In all workshops held, we had over 156 participants. Our ORDO Mrs Ljiljana Poljak Bilić has been involved in all workshops as moderator.

Pictures: (ppt and documents sent in folder OSA activities)



Picture 1: Open Access workshop



Picture 2: Open Access workshop

Djelatnice Sveučilišne knjižnice održale radionice o otvorenoj znanosti na sastavnicama Sveučilišta u Splitu

Dec 20, 2021 NOVOSTI

Radionice o otvorenoj znanosti organiziraju se s ciljem poticanja otvorenog pristupa znanstvenim informacijama i osvještavanja važnosti istoga među znanstveno-nastavnim osobljem Sveučilišta. Otvorena znanost povećava transparentnost i povjerenje u znanost, vidljivost i utjecaj istraživanja te omogućuje nove suradnje i inovacije, što Sveučilište prepoznaje kao vrlo važno strateško usmjerenje ([Strategija Sveučilišta 2021. – 2025.](#)).

Sudionici su upoznati s temeljnim načelima otvorene znanosti i otvorenog pristupa kao njezinog dijela. Uz prednosti otvorenog pristupa, sudionicima su predstavljene politike samoarhiviranja časopisa u kojima objavljuju i upoznati su s repozitorijima vlastitih sastavnica i mogućnostima koje oni nude. Svaka je radionica prilagođena području znanosti u kojem djelatnici sastavnica djeluju. Samoarhiviranje, odnosno pohranjivanje vlastitih radova u institucijski repozitorij, prikazano je uz demonstraciju pohrane znanstvenog rada u institucijski repozitorij na primjerima radova s pojedinačnih sastavnica.

U 2021. godini održano je deset radionica na sljedećim sastavnicama:

1. Institucijski repozitorij. Odjel za studije mora, 24. veljače 2021.
2. Otvorena znanost: načela i primjena. Filozofski fakultet u Splitu, 30. lipnja 2021.
3. Otvorena znanost. Sveučilišni odjel za zdravstvene studije, 21. listopada 2021.
4. Otvorena znanost: radionica za knjižničare. Kemijsko-tehnološki fakultet u Splitu, 25. listopada 2021.
5. Otvorena znanost. Sveučilišni odjel za forenzičke znanosti, 27. listopada 2021.
6. Otvoreni pristup (OA). Fakultet građevinarstva, arhitekture i geodezije u Splitu, 9. studenog 2021.
7. Otvorena znanost: zeleni put. Medicinski fakultet u Splitu, 17. studenog 2021.
8. Otvoreni pristup (OA). Ekonomski fakultet u Splitu, 30. studenog 2021.
9. Otvoreni pristup (OA). Kemijsko-tehnološki fakultet u Splitu, 9. prosinca 2021.
10. Otvoreni pristup (OA). Pomorski fakultet u Splitu, 16. prosinca 2021.

Picture 3: Summary Report (www.svkst.hr)

Pretraži

Pretražite strani

Traži

Novosti

❖ Konferencija o znanstvenoj komunikaciji u kontekstu otvorene znanosti (PUBMET 2023) 19/09/2023

❖ IFLA WLIC 2023 u Rotterdamu 15/09/2023

❖ [SEA-EU] Natjecanje za najbolju fotografiju s temom „A sea of diversity“ 31/08/2023

Activity 2

Title: Croatian Research Data Management Training Program: Supporting the Organization, Sharing, and Reuse of Research Data

Participants: Ljiljana Poljak (Library Department of Research Services and Development, University of Split)

Date: 11-13 October 2021

Format: Online

Description: The University Computing Center (SRCE), in coordination with the National Research Data Alliance (RDA), has collaborated with authors from various prominent libraries in Croatia, including the University Library Rijeka, Split University Library, the City and University Library in Osijek, and the National and University Library in Zagreb, to develop an online self-paced course titled "Research Data Management."

This course was designed to be accessible to a wide range of participants, including researchers, students, teachers from diverse fields, librarians, and data enthusiasts. It was open to individuals who wish to gain a deeper understanding of research data management within the context of the research data life cycle. Importantly, there are no prerequisites or prior knowledge requirements for enrolment in this course.

The primary objective of the course was to empower participants with essential knowledge and skills related to research data management, irrespective of their scientific discipline. Throughout the course, participants will be guided through fundamental concepts, steps, and methods for effective research data management.

One of the key features of this course is its self-paced nature, which allows participants to learn at their own speed. All course materials and lessons are accessible simultaneously, enabling individuals to progress through the content at their preferred pace. Participants have the flexibility to engage with the entire course curriculum or focus on specific sections that align with their interests and needs. Upon successful completion of all course lessons and knowledge assessments, participants received a certificate of completion as well as a digital badge recognizing their proficiency in research data management. This course is a valuable resource for anyone looking to enhance their understanding of research data management practices and principles, contributing to improved data handling and organization in various academic and professional contexts.



Which topics are covered by the training?

- Introduction to research data management
- FAIR data and principles
- Naming conventions, organization, and versioning of research data files and formats
- Documentation and storage of research data
- Managing personal and sensitive research data
- Share and re-use of research data

Picture 4: Screenshot from PPT Supporting the Organization, Sharing, and Reuse of Research Data

Activity 3

Title: Workshop at event Days of e-infrastructure DEI

Participants: Ljiljana Poljak

Date: 6 – 7 April 2022

Format: Online

Description: The primary goal of these courses was to raise awareness in the Croatian research community about the importance of effective data management throughout the research data life cycle. To succeed, a cultural shift in the research community is needed to motivate researchers to practice RDM actively, as they are the primary data producers and users.

The courses aimed to spread knowledge about making research data findable, accessible, interoperable, and reusable on national and international levels. The training program consisted of six courses covering topics such as RDM introduction, FAIR principles, metadata description, data organization, managing sensitive data, and publishing/reusing data. Participants can access these courses for free and earn digital badges and certifications upon successful completion, making these resources valuable for students, educators, and anyone interested in RDM.

CROATIAN RESEARCH DATA MANAGEMENT TRAINING PROGRAM: Supporting the Organization, Sharing, and Reuse of Research Data

KRISTINA POSAVEC
DRAŽENKO CELJAK
IVANA DOROTIĆ MALIČ
MARTA MATIJEVIĆ
LJILJANA POLJAK
IVANA TURK

ABSTRACTS & BIOGRAPHIES
DAY 1 / SESSION IV

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The essence of science and every research is data, so researchers need to have at least a basic set of skills and knowledge needed to manage research data, i.e. research data management (RDM). The term refers to "the organization, storage, preservation, and sharing of data collected and used in a research project" (ULS, 2020). During the research data life cycle, data need to be well organized and documented, accompanied with rich metadata description, and in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable). In addition, "research data management is important to support research data sharing in open science, as well as to enhance the transparency of the research process" (Furukawa, Ojio, Yamaji, 2018, p. 640).

SRCE – the Computing Centre at the University of Zagreb, in collaboration with four major university libraries (National and University Library in Zagreb, University Library Rijeka, University of Split Library, and City and University Library in Osijek) has recognized a need in the Croatian scientific and research community and higher education system for developing a series of RDM online courses.

In 2020, the Croatian RDA node published the RDM handbook under the title How to Manage Research Data? that was the main inspiration and focal point for developing an online self-paced training program about research data and RDM. A second reason for developing these courses was the lack of educational materials and training programs about RDM in the Croatian language.

The main idea behind the courses has been to raise awareness in the Croatian scientific and research community about the importance of quality and timely data management during the research data life cycle. Clare et al. (2019) have stated in their book Engaging Researchers with Data Management: The Cookbook that in order to have successful implementation of good RDM, there needs to be a cultural shift in the research community that will motivate the researchers to practice RDM, because they are "the main data producers and re-users" (Clare et al., 2019, p. 2). The mission of these online courses is to spread knowledge about the importance and necessity of making the research data findable, accessible,

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II

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Picture 5: Screenshot from document Croatian research data management

Activity 4

Title: Management of research data

Participants: Ljiljana Poljak ORDO

Dates: November 2021

Format: online

Description: The University Computing Centre (Srce), as the coordinator of the National Research Data Alliance (RDA) node, in collaboration with authors from the University Library Rijeka, University Library in Split, City and University Library Osijek, and the National and University Library in Zagreb, has developed an online course titled "Research Data Management."

The course covers all stages of the research data lifecycle and is divided into six modules: Introduction to Research Data Management, FAIR Principles and Data, Naming, Organizing, Versioning Files, and Data Formats, Documentation and Reliable Data Storage, Managing Personal and Sensitive Research Data, and Publication and Reuse of Research Data. This is a fundamental course during which participants acquire knowledge about basic steps, concepts, and methods of managing research data.

It is intended for researchers, students, and teachers from all fields and faculties, librarians, and data enthusiasts who want to learn more about managing research data throughout the data lifecycle. The course does not require prior knowledge or skills in research data. Enrollment and the duration of the course are not time-limited, allowing participants to progress at their own pace. Participants who have completed the course in its entirety and passed all knowledge assessments receive a certificate of completion and a digital badge. The course is available in the category titled "Courses on Platforms, Tools, and Best Practices in the Research Lifecycle."

[Tečaj] Upravljanje istraživačkim podacima

Nov 10, 2021 Matična služba, NOVOSTI

Online tečaj Srce kao koordinator nacionalnog Research Data Alliance (RDA) čvora u suradnji s autoricama iz Sveučilišne knjižnice Rijeka, Sveučilišne knjižnice u Splitu, Gradske i sveučilišne knjižnice Osijek te Nacionalne i sveučilišne knjižnice u Zagrebu izradilo je online tečaj „Upravljanje istraživačkim podacima“.

Tečaj prati sve faze životnog ciklusa istraživačkih podataka te je podijeljen u 6 cjelina: Uvod u upravljanje istraživačkim podacima, FAIR načela i podaci, Imenovanje, organizacija, verzioniranje datoteka i formati istraživačkih podataka, Dokumentacija i pouzdano čuvanje istraživačkih podataka, Upravljanje osobnim i osjetljivim istraživačkim podacima te Objava i ponovno korištenje istraživačkih podataka. Riječ je o osnovnom tečaju tijekom kojeg polaznici stječu znanja o osnovnim koracima, pojmovima i načinima upravljanja istraživačkim podacima.

Namijenjen je istraživačima, studentima i nastavnicima svih smjerova na svim fakultetima, knjižničarima i podatkovnim entuzijastima koji žele saznati više o upravljanju istraživačkim podacima tijekom životnog ciklusa podataka i ne zahtjeva predznanje i vještine o istraživačkim podacima.

Upis i trajanje tečaja nisu vremenski ograničeni te polaznici tečaj mogu pohađati vlastitim tempom. Polaznicima koji su tečaj pregledali u cijelosti i riješili sve provjere znanja, dodjeljuje se potvrda o završenom tečaju i digitalna značka. Tečaj je dostupan u kategoriji pod nazivom „Tečajevi o platformama, alatima i dobrim praksama u životnom ciklusu istraživanja“.

Izvor: <https://www.srce.unizg.hr/vijesti/upravljanje-istrzivackim-podacima-novi-tecaj-hrvatskog-rda-cvora/objav2021-10-27>

Picture 6: Screenshoot Management of research data online workshop annocument

Activity 5

Title: Introduction of Open Science (info session)

Participants: Ivan Buljan

Attendees: 80

Format: Physical

Description: The SEA-EU open science ambassador presented the principles of fair data, why open science and open data are important, and how you can increase open science in practice



Picture 7: Picture from Info Session

Activity 6

Title: Online training on the art of communicating a scientific message in the Blue-Connect project, work package 1 of the Awareness Campaign

Dates: 13 December 2022

Participants: Ivan Buljan OSA

Attendees: 20

Format: Online

Description: The training was held through the seminar Art of Communicating a Scientific Message in the Blue-Connect project, work package 1 of the Awareness Campaign. In the training, participants were introduced to open science structure, FAIR principles, Open Access, Ambassadors of OSA, and project research-EU. These pieces of information point to activities and initiatives aimed at promoting open science, improving access to scientific articles, and supporting scientists in the adoption of open practices.



Otvorena znanost

Dr.sc. Ivan Buljan, mag.psych

Sveučilište u Splitu

SEA-EU Open Science Ambassador (OSA)



Picture 8: Open Science PPT screenshot

Activity 7

Title: ProDeM Research Workshop 4: Artificial Intelligence as a Tool for Evidence-based Medicine Research

Date: 17-22 August 2023

Location: University of Split

Organizers/Presenters: School of Medicine, Ivan Buljan

Description: The workshop provided participants with a comprehensive understanding of various scientific topics, tools, and practices, fostering collaboration and knowledge sharing within the research community. It also included practical exercises and discussions to enhance participants' research skills and grant application planning. The workshop concluded with an exploration of new ideas and a valuable exchange of research experiences.

Workshop Programme

	Day 1 – 17 Aug 23	Day 2 – 18 Aug 23	Day 3 – 21 Aug 23	Day 4 – 22 Aug 23
9:00-10:30	F. Grimaldo: Lecture – NLP and network analysis for science of science	A. Mijatović: Lecture – Tool for assessing conclusiveness of scientific abstracts	Practical work: Developing protocol for Campbell scoping review on educational interventions – 2	A. Marušić/ I. Buljan: Lecture – Open Science practices from SEA-EU University Alliance
10:30-11:00	Lunch	Lunch	Lunch	Lunch
11:00-12:30	E. Lopez: Lecture – Digital tools for teaching and assessing arithmetic word problem solving	A. Marušić: Lecture – Understanding health claims	Practical work: Testing new AI tools – 1	Round table discussion – Planning grant applications – 1
12:30-13:30	Lunch	Lunch	Lunch	Lunch
13:30-15:00	I. Buljan: Lecture – CroRIN: Croatian Network for Research Integrity and Reproducibility	Presentations on current HRZZ ProDeM research studies – part 2	Practical work: Testing new AI tools – 2	Round table discussion – Planning grant applications – 2
13:00-15:30	Break	Break	Break	Break
15:30-17:00	Presentations on current HRZZ ProDeM research studies – part 1	Practical work: Developing protocol for Campbell scoping review on educational interventions – 1	Walkshop – How many new ideas we can get from MEFST to Diocletian Palace?	End of the workshop
18:00	Dinner	Dinner	Dinner	

Picture 9: ProDeM Research Workshop 5 Programme



WP 5: Open Science Ambassadors

Record of Training Activities

This document lists the activities and events that the reSEArch-EU Open Science Ambassadors have achieved or are planning to organise during the project duration.

A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a common Open Science Programme report that will the endeavours of the Ambassadors in delivering outreach activities and learning events on Open Science, Open research and Open Research Data to academics, students and the public in general. These events will serve to promote the concepts of Open Science and strengthen the culture of sharing openly and without restrictions research outcomes and data for further use by others to avoid unnecessary repetition, build more easily on already acquired knowledge, and ultimately deliver more and efficiently from research endeavours. The Open Science Ambassadors are also mandated to make more known, more visible the university structures supporting open science, and help to facilitate their use.

LIST OF OPEN SCIENCE AMBASSADORS

Name & Surname	Email Address	Position	Department
Liana Hermakova	Liana.hermakova@univ-brest.fr	Researcher	Humanities
Tanguy Haute	Tanguy.Haute@univ-brest.fr	Engineer	Medical sciences
Roland Gauthier	Roland.gauthier@univ-brest.fr	Researcher	Sciences and Technologies
Sofian Berrouiguet	Sofian.berrouiguet@univ-brest.fr	Researcher	Medical sciences
Edna Hernández - González	Edna.hernandez@univ-brest.fr	Researcher	Humanities
Claire Hellio			Marine sciences

LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Name of Report	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	Open Science introductory session for PhDs and Post-doctoral students – “Write a Data Management Plan. Initiation”	16.02.2023	Open Science introductory session for PhDs and Post-doctoral students - « Write a Data Management Plan. Initiation »	PhD students	-	Gemma Davies, ORDO
2	Open Science Training sessions for PhD students	October 2023	Open Science Training sessions for PhD students	Breton and SEA-EU PhD students	30	Gemma Davies – ORDO Tanguy Haute Edna Hernandez

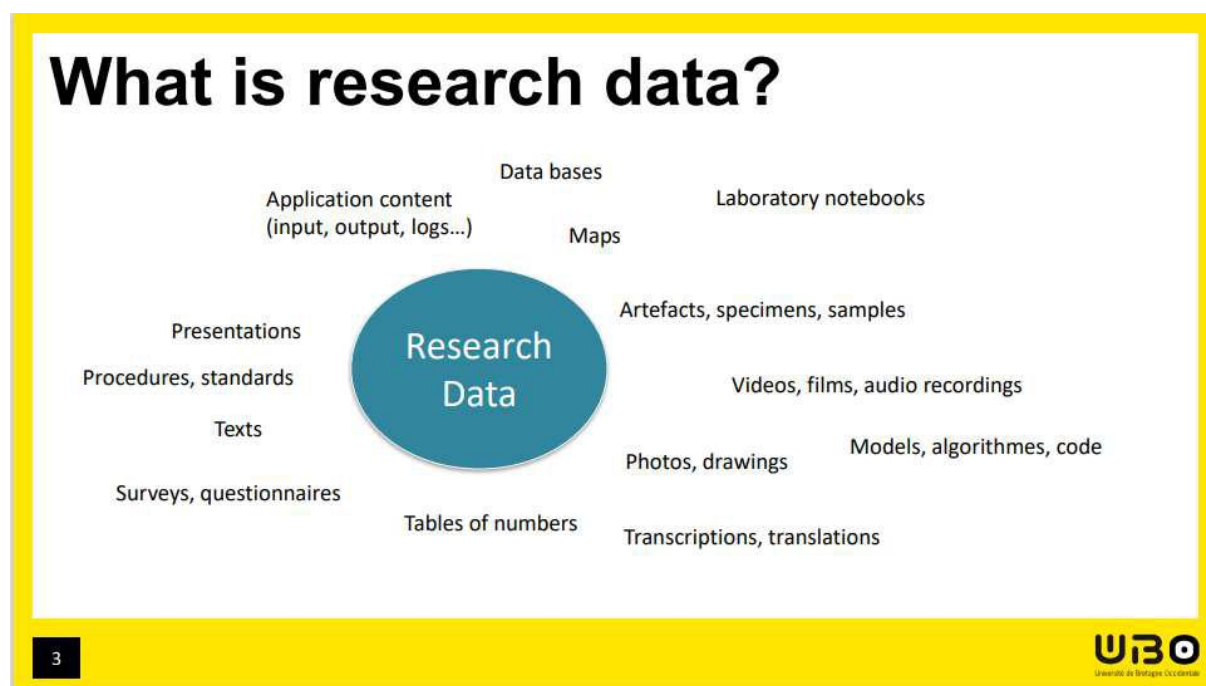
ACTIVITY 1

Open Science introductory session for PhDs and Post-doctoral students - « Write a Data Management Plan. Initiation »

The purpose of the training was to provide PhD and Post-doctoral students with the key information required to prepare a DMP.

The training session was provided in english by Gemma Davies, ORDO for UBO.

The training focused on an initial introduction to research data and the structure of a data management plan; good research data management practices for sharing and storing data; the FAIR principle; whether data should be open or not and the legislation applicable; how to use Opidor to find models, examples and write a collaborative plan. Then a critical analysis of a published data management plan.



Course objectives were for participants to be able to write a Data Management Plan for a research project, have a basic understanding of the legislation concerning sharing different types of data, have a basic understanding of best practices concerning data management within a public institution.

This course contributed to the acquisition of skills as described in the UBO skills repository. It also contributes to the acquisition of the skills of doctoral graduates (Order of 22 February 2019).

Participants were encouraged to reach out to the Open Science Ambassadors, Data Protection Officer and Open Research Data Officers of the university to build their DMP and should they require any further information.

Contact details for any follow-up questions or inquiries : Gemma Davies, ORDO for UBO : gemma.davies@univ-brest.fr

ACTIVITY 2

Open Science Training sessions for PhD students

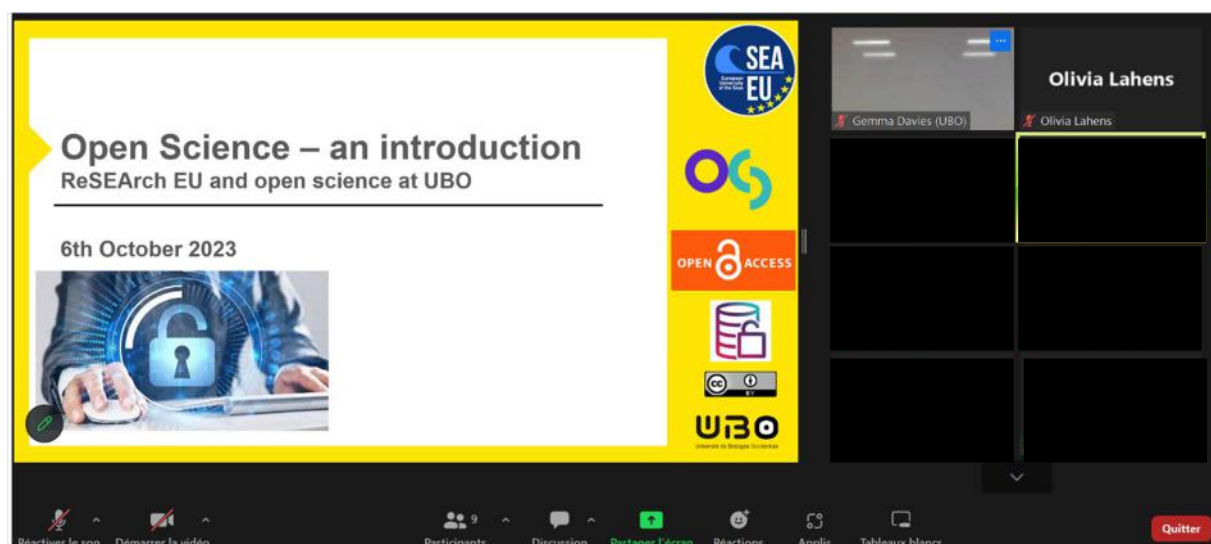
The training sessions took place online from the 6th to the 24th of October and were offered to all PhD students from the Brittany region and from across SEA-EU. A total of 30 PhD students participated in activities.

The objectives of the training were for PhD students to gain an overall awareness of the key impacts of Open Science on their research activities and potential academic careers, as well as the tools and resources at their disposal.

The training sessions covered the basis of Open Science and Participatory Science. They also introduced good research practices related to research in the framework of Open Science.

The training took place across 3 online sessions.

The first training session, provided by Gemma Davies, focused on Open Science, Open Access, Metadata in publications, Stakes and objectifs of research data, Scientific integrity, ownership of Data, the legal context of open data, Repositories and Licences.



The second session's objectives were to co-construct an Open Science strategy/approach based on the research work of the various participants

Based on a concrete example of the implementation of an Open Science approach within a multidisciplinary research project. In particular, the importance of participatory science and the issues involved.

The course took place online on October 12th, provided by Edna Hernandez, and was geared towards, Doctoral students, especially working in the fields of Humanities and Social Sciences or with a multidisciplinary practice, from all the doctoral colleges in Brittany and SEA-EU.



The third and last session took place on the 24th of October and was provided by Tanguy Haute and focused on building an Open Science strategy/approach based on the research work of the various participants

With the help of various examples from different fields, they were able to differentiate between good and bad methods in the context of open science and also look at some participatory science applications.

The screenshot shows a presentation slide titled 'Reproducibility in Ecology' with the SEA EU logo. The slide content includes:

- Recent study including 246 analysts to answer 2 questions
- Many different answers

Below the bullet points, it states:

- => Increase meta analysis
- => Describe the methodology

A URL is provided at the bottom: <https://www.nature.com/articles/d41586-023-03377-1>. The slide is dated 23/10/2023. A video feed of Tanguy Haute is visible on the right side of the slide.

Edna Hernández González is an architect-urban planner and lecturer at the Institute of Geoarchitecture, at the University of Bretagne Occidentale, and assistant director of lab EA 7462. Her work focuses on the urban planning at night-time, particularly the link between the urban lighting and human night activities and their impact on the environment. She takes account of the gender practice of urban space and the experience of walking by night in French and Mexican cities.

Since 2012, she has been an active member of the Transversal Research Group "Pedestrian Urban Mobility" (Labex Urban Futures, GT MU, Gustave Eiffel University). Since 2016, she has been a delegate of the Institute of the Americas in Brest (IDA-Brest). She is a founding member of the Research Network « Estudios sobre la noche » in 2020.

Actually she leads three research projects : Chair person for « Noz Breizh » (scientific consortium 60 K€ budget per year for three years), « Noz Num : Marcher en ville la nuit » (founding by MSBH), « Smart Noz » (founding by Région Bretagne).

Tanguy Haute joined the UMR1078 Genetics, Functional Genomics and Biotechnologies research unit in September 2019 as an assistant engineer and more specifically in the Gene Transfer and Combined therapeutic Approaches team after obtaining a master's degree in Genetics, Genomics and Biotechnologies. He is also responsible for quality management on the SynNanoVect platform and works on the optimisation of nanoparticles for aerosol delivery of siRNA to lung metastases from paediatric bone cancer.

Gemma Davies is a project engineer within the department for research at the University of Brest. Her missions have expanded into open science and she collaborates closely with the university's library. She has a scientific background in Chemistry and statistics. She worked as a research assistant carrying out data processing and statistical analyses but also copy editions in English for research papers. This gave her hands-on experience with data management at a researcher level, so she understands their work and can easily put herself in their position for understanding their need for resources and potential difficulties.

Participants were encouraged to reach out to the Open Science Ambassadors, Data Protection Officer and Open Research Data Officers of the university should they require any further information.

Contact details for any follow-up questions or inquiries :

- Gemma Davies, ORDO for UBO : gemma.davies@univ-brest.fr
- Tanguy Haute, OSA for UBO : tanguy.haute@univ-brest.fr
- Edna Hernandez, OSA for UBO : edna.hernandez@univ-brest.fr



WP 5: Open Science Ambassadors

Record of Training Activities

UNIVERSITY OF MALTA

This document lists the activities and events that the reSEARCH-EU Open Science Ambassadors have achieved or are planning to organise during the project duration.

A similar document is kept by each partner university separately. All these activities will be collated at the end of the project into a common Open Science Programme report that will the endeavours of the Ambassadors in delivering outreach activities and learning events on Open Science, Open research and Open Research Data to academics, students and the public in general. These events will serve to promote the concepts of Open Science and strengthen the culture of sharing openly and without restrictions research outcomes and data for further use by others to avoid unnecessary repetition, build more easily on already acquired knowledge, and ultimately deliver more and efficiently from research endeavours. The Open Science Ambassadors are also mandated to make more known, more visible the university structures supporting open science, and help to facilitate their use.

LIST OF OPEN SCIENCE AMBASSADORS

Name & Surname	Email Address	Position	Department
Audrey Zammit	audrey.zammit@um.edu.mt		Dept. of Geosciences
Adam Gauci	adam.gauci@um.edu.mt		Dept. of Geosciences
Raelene Church	raelene.church@um.edu.mt		UM Library Services
Ritienne Gauci	ritienne.gauci@um.edu.mt		Dept. of Geography
Fiona Sammut	Fiona.sammut@um.edu.mt		Department of Statistics and Operations Research

LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	<p>DOC 6060: Introduction to Open Science: Embracing Principles of Transparency and collaboration in doctoral research</p> <p>A new 3-hour workshop to be offered within the Doctoral School's Personal Development Training Programme. Workshop content went through process of review by UM Doctoral School and approved by its Professional Development Committee.</p> <p>Workshop description: https://www.um.edu.mt/courses/studyunit/DOC6060</p>	<p>Academic year 2023/2024</p> <p>Two workshops, one per semester</p>	<p>Doctoral students, RSOs, RSAs and support staff</p>	8	<p>Ritienne Gauci Adam Gauci</p>
2	<p>DOC6061: Allies of Open Science: The Supporting Role of Statistical and Library Data Repositories</p> <p>A new 3-hour workshop to be offered within the Doctoral School's Personal Development Training Programme.</p>	<p>Academic year 2023/2024</p> <p>Two workshops,</p>	<p>Doctoral students, RSOs, RSAs and support staff</p>	6	<p>Raelene Church Fiona Sammut</p>

	<p>Workshop content went through process of review by UM Doctoral School and approved by its Professional Development Committee.</p> <p>Workshop description: https://www.um.edu.mt/courses/studyunit/DOC6061</p>	one per semester			
3	<p>Freshers' week library tour</p> <p>A brief talk about Open Science during the library tours held during Freshers' week</p>	October 2023	University Freshers		Raelene Church
4	<p>Launching of Data Repository at the University of Malta</p> <p>The University of Malta (UM) has chosen Figshare as its designated infrastructure for the data repository. Introducing the brand name "drUM" (data repository University of Malta), the official launch of drUM is scheduled for the current year.</p>	Sept-October 2023	UM researchers		Raelene Church
5	<p>Webpage with guidelines on data and how to upload it on the data repository</p> <p>A comprehensive online platform will be established to provide valuable insights into research data and the associated data</p>	Sept 2023	All researchers including academic members of		Raelene Church

	repository. This webpage aims to offer invaluable guidance to researchers and principal investigators regarding various aspects such as data definition, optimal storage and preservation practices, data sensitivity, and the seamless process of uploading data onto the designated repository.		staff and students		
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ACTIVITY 1

Open Science Formal Training Report

Introduction

Training Workshop on 'Introduction to Open Science: Principles of Transparency and Collaboration in Doctoral Research' (DOC6060)

Date & Duration: 11/10/2023, 09:00 – 12:00

Facilitators: Dr Ritienne Gauci (OSA), Dr Adam Gauci (OSA), Ms Audrey Zammit (OSA) and Professor Godfrey Baldacchino (UM ReSEArch-EU Principal Investigator)

The workshop entitled '*Introduction to Open Science: Principles of Transparency and Collaboration in Doctoral Research*', was offered as a formal training module (DOC6060) as part of the Professional Development Programme 2023-24 for doctoral students and research support officers, under the patronage of the Doctoral School of the University of Malta. The workshop delved into the critical aspects and methodologies of Open Science (OS), providing an expansive overview of its relevance in present-day doctoral research. With its transparency and collaboration emphasis, the workshop directed the participating doctoral students through exercises and discussions tailored to stimulate awareness and adoption of OS principles. Below is a detailed report of the workshop, encompassing the major components, discussions, and outcomes of the workshop.

Description of activity

Introduction & Ice Breaker (09:00 – 09:30)

The workshop commenced with a brief introduction and the formulation of working groups consisting of 2-3 persons each. The intention behind these micro collectives was to foster an initial discussion and collaborative learning among participants. An ice-breaker session was initiated through form fill-ups and a round-up activity, facilitating participants to mingle and establish a comfort level for subsequent interactive sessions.



Figure 1: Ice-breaking session facilitated by OSAs Dr Adam Gauci and Ms Audrey Zammit

Introductory Presentations (9:30 -10:00)

Brief presentations from Dr Adam Gauci and Dr Ritienne Gauci introduced the participants to SEA-EU, ReSEArch-EU, and intrinsic details of Open Science. Dr Adam Gauci presented a short exposition of SEA-EU, ReSEArch-EU, and their synergies with OS was presented, to showcase the vision of the SEA-EU Alliance in bridging research initiatives with OS ideologies. Dr Ritienne Gauci presented an overview about the breadth and depth of Open Science.



Figure 2a and 2b: Two brief presentations by Dr Adam Gauci (left) and Dr Ritienne Gauci (right)

Exercise 1: Prioritization of Training Needs in Open Science (10:00-10:30)

The objective of this hands-on session was for the participants to identify areas of proficiency and areas demanding further training in Open Science for their respective fields. The exercise began with an introduction to the Open Science Taxonomy and its constituent activities. Participants were instructed to identify 2-3 areas they felt adept in and similarly, 2-3 areas where they desired further training, relating to OS. They used blue coloured sticky notes on a communal A0 layout of the OS Taxonomy for areas they were knowledgeable about, and orange coloured notes for areas requiring additional training. The subsequent group discussion, stimulated by the visual representation of collective knowledge and training gaps on the taxonomy, unveiled not only individual learning trajectories but also potential collaborative learning opportunities amongst participants. It was observed a certain degree of familiarity in terms of training proficiency around concepts related to Open Peer Review, Open Access, Open Data, Open Data Journals, Open Peer Review and Open Repositories.

It was also evident that **while participants felt confident about the broader categories such as Open Access, Open Data, and Open Reproducible Research, they recognized a need for more granular knowledge in the specific sub-components within these categories.** For example: while students felt confident in the overarching concept of Open Data, they recognized knowledge gaps in definitions, standards, journals, and use/reuse aspects. This indicates a desire for more hands-on, practical knowledge in this domain. Students show proficiency in the broader concept of Open Access Routes, but they've indicated a desire to know more about specific routes, particularly the Gold and Green routes, suggesting they might want a deeper dive into the nuances of these methods. The orange stickers in the metrics and tools area also show a clear interest in understanding the various metrics used to evaluate open science and a desire for practical application.

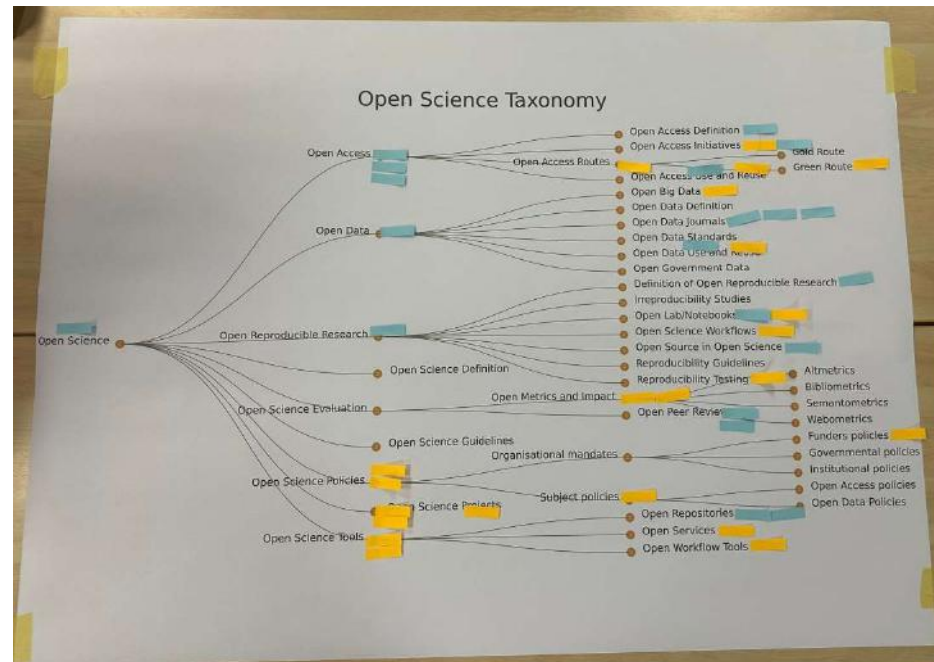


Figure 3: The final result of Exercise 1 in identifying areas of proficiency (blue) and knowledge gaps (orange) in Open Science.

A cluster of training needs surrounding Open Data Definition, Journals, Standards, Use and Reuse, and Government Data, indicates **an aspiration to delve into the specifics of Open Data. They might be seeking clarity on terminologies, best practices, and the nuances of data sharing and usage outside the realm of academia.** The concepts surrounding Open Reproducible Research were also identified as a training need. These indicate **an interest in the entire lifecycle of reproducible research.** Students may **want to understand the barriers to reproducibility, tools and practices that facilitate it, and guidelines to ensure their research is transparent and reproducible.**

The subsequent group discussion, stimulated by the visual representation of collective knowledge and training gaps on the taxonomy, **unveiled not only individual learning trajectories of the participants but also potential operational synergies between the various components of OS, interlinking them as feedback loops within the OS system.**

Presentations on Open Data (10:30-11:00)

Dr Adam Gauci elaborated on the positive and successful aspects of open data, notably through platforms like COPERNICUS and EMODNET, integrating Citizen Science, and assessing its strengths and weaknesses in oceanographic research. Dr Ritienne Gauci, divulged into the economical and knowledge-driven value of open data, exploring whether there is a tangible 'price' to be paid for its acquisition and dissemination.

Exercise 2: Open Science Workflow - Practices in Research Cycle (11:00-11:30)

The objective of this second hands-on session was to encourage participants to understanding and visualizing examples of open science practices across different research phases. Two A0 images of the Research Cycle were displayed prominently on two separate tables and also projected on the screen. Prior to the activity, cards demarcating Open Science activities were distributed on two working tables. The participants were encouraged to select and place the cards representing critical OS practices across the research cycle workflow, aligning them with relevant research phases.

A visually interactive display was produced, echoing the diversity and specificity of OS practices through various research stages. This facilitated a deeper understanding of practical OS application through research cycles.

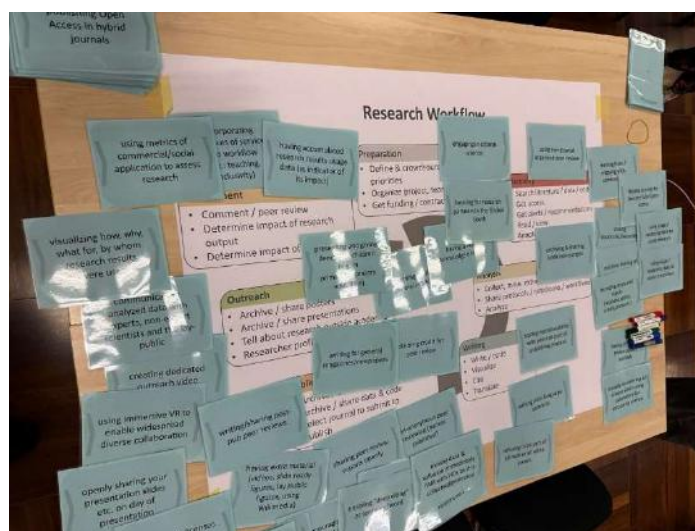


Figure 4: Cards demarcating Open Science activities were distributed by the participants in different phases of the Research Workflow.

Exercise 3: Creating a Blueprint of Open Science Workflow (11.30-12:00)

Participants were then encouraged to scrutinize selected practices for one research phase from Exercise 2 and cherry-pick two practices deemed most implementable and impactful towards open research. They were then required to justify their selections to the entire cohort. Together, formulate a blueprint of an OS workflow using the selected practices.

The crafting of an OS workflow blueprint, supported by a subsequent discussion, fostered a pragmatic approach towards how to embed OS in their individual research endeavours. The discussion touched upon tools/platforms usage, anticipating incentives and barriers and postulating necessary policy/funding support. **It was observed that the participants prioritized practices of Open Science more heavily towards the latter stages of the research cycle (especially in outreach and assessment phase), as compared to the initial stages.** A few potential reasons for such practice choices could be various, such as:



Figure 5: Discussions on how to integrate OS practices in different phases of the research cycle.



reSEArch-EU



U3O

CIAU



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017454

Practical Relevance: The end stages of the research cycle, such as "Outreach" and "Assessment", are often the ones that researchers visibly encounter and engage with. For instance, activities like "Share posters, presentations at conferences," "Creating immersive data visualizations," and "Using blogs to share your research" have direct tangible outputs that can be observed, measured, and shared.

Accessibility: Open Science practices related to publishing, sharing, and outreach are often more accessible and easier to implement. Many platforms and tools are available that facilitate open access publishing, data sharing, and public engagement.

Familiarity: Many researchers might already be familiar with the importance of open practices in the dissemination phase due to existing norms within their specific research community, training, or prior experiences (especially for research support officers).

Tangible Impact: The latter stages of the research cycle often have a more direct impact on the researcher's professional growth and the public's perception of their work. Open practices in these stages can enhance visibility, foster collaborations, and amplify the societal impact of the research.

Bias/Less Fear towards Completion: There might be a natural bias towards emphasizing activities that represent the culmination of the research process. The end stages signify the realization of all the prior efforts, making them seem more significant or rewarding and in direct correlation with the stronger level of confidence acquired in the last stages of the research.

Lack of Awareness: It's possible that the participants were not fully aware of the benefits or implementations of Open Science practices in the early stages of the research cycle.

In conclusion, while the beginning stages of the research cycle are undeniably crucial, the participants' choices might reflect their perceptions of immediate relevance, familiarity, and the tangible benefits of Open Science practices in the concluding stages. It might be beneficial for future workshops to shed light on the importance and advantages of incorporating Open Science from the onset of the research cycle.

Audience

Five doctoral researchers attended the training workshop. They came from a range of diverse fields and backgrounds such as transport geography, Maltese literature, urban agriculture, biochemistry, and digital networks. Two research support officers from the Centre for Literacy and the Centre for Molecular Medicine and Biobanking also participated.

Outcomes

Participants gained insights about their collective strengths and knowledge gaps within the Open Science landscape. The hands-on sessions provided them with sufficient agency to discuss, emphasizing the potential for peer-to-peer learning and collaboration. Through collaborative efforts, participants managed to distil key Open Science practices they deemed most feasible and effective. The activities also revealed a pronounced focus on the latter stages of the research cycle. For future training sessions, it might be beneficial to allocate more time for group discussions post-identification, allowing participants to delve deeper into the reasons behind their choices. The collective blueprint serves as a testament to the group's shared vision for a more open research paradigm. This observation underscores the need for future workshops to emphasize the significance of incorporating Open Science practices from the research's onset. Utilizing more diverse and interactive teaching materials could aid in conveying the importance and practicality of early-stage Open Science practices. In subsequent sessions, facilitators could consider inviting experts to discuss the implementation of the chosen practices, providing participants with actionable steps and real-world examples.

As a standard practice for all training modules offered by the Doctoral School, a feedback form will be sent to the participants in order to gather their perceptions on the overall participation experience and identify areas for improvement in the module. A second iteration of this training workshop DOC6060 will be offered during the second term in a remote instructional mode. It is the policy of the Doctoral School to offer a second online iteration as an alternative option to an in-person one held in the first term. This may require adjustments on how the design of the hands-on sessions are to be delivered.

Another second training module on Open Science - DOC6061 *Allies in Open Science: The Influential Role of Statistics and Library Data Repositories* will be delivered in November 2023 by OSAs Ms Raelene Church (University of Malta Library) in collaboration with Dr Fiona Sammut (Department of Statistics and Operations).

It is hoped that these two doctoral training modules will become a permanent fixture of the Professional Development Programme of the Doctoral School. In accordance with the calendar provisions of the Professional Development Programme, doctoral modules are always offered in both Semester 1 and Semester 2. The two Open Science modules are therefore currently being both offered in Semester 1 (in-person mode) and then re-offered in Semester 2 (in hybrid mode).

Pictures



Figure 6: Description of Open Science Module DOC6060 as part of the catalogue of the Professional Development Programme 23-24 of the Doctoral School of the University of Malta.



Figure 7 : A group photo of the participants at the end of DOC6060 training workshop. The workshop was facilitated by OSAs Dr Ritienne Gauci and Dr Adam Gauci (third and fourth from left), OSA Ms Audrey Zammit (absent) and UM ReSEArch-EU Principal Investigator Professor Godfrey Baldacchino (last from right).

Promotional material in the annex

Two presentations by Dr Adam Gauci
Two presentations by Dr Ritienne Gauci

ACTIVITY 2

Introduction:

Training workshop on 'Allies of Open Science: The Influential Role of Statistics and Library Data Repositories'

- Lecturers: Dr Fiona Sammut and Ms Raelene Church
- Study Unit Code: DOC6061
- Scheduled Date: 17th November 2023
- Time: 17:00 - 20:00
- Audience: PhD students and research support officers

This workshop is being offered as an optional module for PhD students and RSOs who have completed part one of the course entitled 'Introduction to Open Science: Principles of Transparency and Collaboration in Doctoral Research (DOC6060).

This workshop / lecture aims to teach students about open science, covering topics like open data, data repositories, software licenses, and collaborative platforms.

Objectives:

The lecture aims to achieve the following objectives:

- Introduction to Open Science, Data Organisation and Data Sharing
- Learn about open source and closed source software, different types of software licenses, and platforms where developers collaborate on open-source projects.
- Explore different types of data repositories and provide guidance on selecting the appropriate repository for specific needs.
- Demonstrate how to deposit data on these repositories, specifically focusing on drUM, the University of Malta's data repository.
- Learn about Data Management, FAIR Principles and the tools available to create Data Management Plans.

Expected Outcomes:

1. Conceptual Understanding:
 - a. Participants would be able to define open science and open data.
 - b. Participants would gain knowledge about open source and closed source software, various software licenses, and platforms for open-source collaboration.
2. Repository Knowledge:
 - a. Participants would be able to identify different types of data repositories and make informed decisions about repository selection.
 - b. Participants would acquire practical skills in developing a data management plan (DMP) and depositing data on drUM.
3. Data Sharing Proficiency:
 - a. Participants would be aware of the benefits and challenges associated with sharing data.
 - b. Participants would be able to apply the FAIR principles to enhance their data management practices.

Conclusion:

Our aim is that participants leave the lecture equipped with both theoretical knowledge and practical skills, fostering a culture of open collaboration and effective data management within the academic community.

ACTIVITY 3

Introduction

Freshers' Week Library Tours are an essential part of welcoming new students to the University environment, providing them with vital information about available resources and services available at the University of Malta Library, including its Open Science department.

Open Science Department: Overview

The Open Science department of the University of Malta (UM) Library plays a pivotal role in promoting transparency, collaboration, and accessibility in research. Its primary objectives include promoting Open Science, uploading academic research output on the UM's Institutional

Conclusion

In concluding the assessment of the Freshers' Week Library Tours, it is essential to acknowledge the challenges in precisely measuring the impact through traditional KPIs. Understanding the depth of knowledge a student gains from a single tour is complex. However, the primary aim of these tours was to provide a broad introduction, ensuring that all participants, at the very least, heard about the services and understood their basic functionalities.

The intention behind the library tours was to plant the seed of awareness among the freshers. By offering a general overview, the library aimed to familiarise students with the existence of the Open Science department and its services. Subsequently, it becomes the responsibility of the students to explore further, inquire, and seek assistance when needed. These tours acted as catalysts, encouraging curiosity and prompting proactive engagement with the Library resources.

The Freshers' Week Library Tours have undeniably achieved their fundamental goal of fostering awareness among University freshers. They have sown the initial seeds of understanding, enabling students to recognise the presence of valuable services within the university's academic ecosystem. Looking ahead, sustained efforts in this direction will be integral, not only in enhancing students' academic experiences but also in nurturing a research culture that thrives on openness, collaboration, and knowledge sharing within the University community.

ACTIVITY 4

Background

drUM (an acronym for 'Data Repository at the University of Malta') is the UM's **data repository**. Launched in October 2023 and powered by **Figshare**, drUM gives researchers the opportunity to preserve and share their research data. The multi-disciplinary data repository represents a significant advancement in the field of Open Research Data and Research Data Management (RDM).

Implementation Phase

The implementation phase of drUM began in February 2023 and was completed in September 2023. It involved the following key activities:

- Weekly meetings with FigShare representatives to discuss the technical aspects of the infrastructure and to ensure that it met the specific needs of the UM research community.
- Setting up a stage environment of the platform for testing purposes.

- Collecting data from various researchers to use for testing.
- Training staff on how to use the platform.
- Developing documentation and support materials for users.
- Launch.

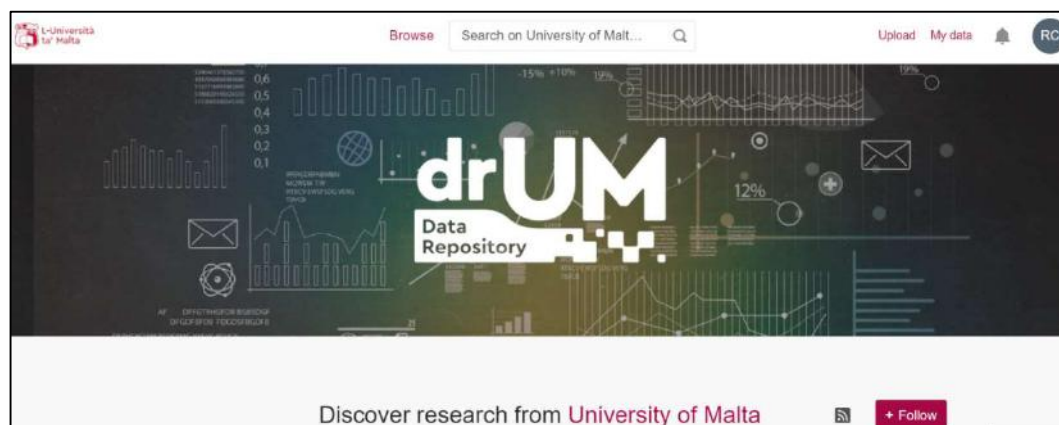
Branding

Although drUM is built on the Figshare infrastructure, it has been customised to meet the needs of the University of Malta. Part of the implementation process included branding the repository with a logo.



The repository is accessible through the following URL: <https://drum.um.edu.mt/>

Below is a screenshot featuring the homepage of the repository.



Benefits of drUM

drUM offers a number of benefits to UM researchers, including:

- A secure and reliable platform for storing and preserving research data.
- The ability to share data with other researchers and to make it publicly available (if desired).
- Enhanced visibility and impact of research.
- Compliance with funder and publisher requirements.
- Support for Open Science practices and principles.

Conclusion

The launch of drUM is a significant milestone for the UM research community. It provides a valuable platform for researchers to manage their data effectively and to share it with others. This will help to foster innovation and collaboration, and to promote the implementation of Open Science practices and principles at the UM.

Additional Information

Through its Open Science Department, the UM Library is committed to providing ongoing support to users of drUM. This will include training workshops, user guides, and one-on-one assistance.

ACTIVITY 5

Introduction

A comprehensive Research Data Management (RDM) webpage was created to provide researchers with a centralised resource for managing their research data. The webpage is structured into three primary sections: RDM FAQs, drUM (data repository University of Malta) FAQs, and Copyright and Licences information. Additionally, a Help page specifically tailored for drUM users is available on the repository's homepage.

Webpage Overview

1. RDM FAQs

The RDM FAQs section provides essential information and answers to frequently asked questions regarding Research Data Management. This includes guidance on data organisation, documentation, and storage best practices. Researchers can find valuable insights into the entire lifecycle of research data, from planning and collection to preservation and sharing.

2. drUM FAQs

The drUM FAQs section is focused on addressing common queries related to the University's research data repository. It provides researchers with detailed information on how to use drUM effectively for storing and sharing their research data. This section is crucial for ensuring that researchers can navigate the repository seamlessly and take full advantage of its features.

3. Copyright and Licences

Understanding copyright and licensing is vital in the context of research data. The Copyright and Licences section on the webpage provides researchers with insights into the legal aspects of data sharing. It outlines the various licensing options available and helps researchers make informed decisions about sharing their data while respecting intellectual property rights.

Help Page for drUM

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