



Plan of the Open Science Ambassador Programme

Deliverable 5.4

(due to M36, December 2023)

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3. RECOMMENDATIONS AND FOLLOW-UP

1. Deliverable identification

Deliverable No. and Title	D5.4. Plan of the Open Science Ambassador Programme
Leader	Prof. Godfrey Baldacchino (UM)
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Authors	Prof. Aldo Drago (UM) Open Science Ambassadors and Technical Managers Prof. Godfrey Baldacchino (UM)
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<p>Task 5.4 provided a structured execution of activities intended to make Open Science better known by academics, researchers and students, promoting its practice and highlighting the benefits. The Task is mainly based on common activities that are managed and executed by designated Open Science Ambassadors in the respective SEA-EU universities, selected to promote Open Science principles and practices with a common vision and a joint collaborative approach. The activities also targeted diverse stakeholder groups outside academia, including the citizen level, especially through interventions at popular local events including Science Nights.</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 D5.4 “Plan of the Open Science Ambassador Programme”

1. INTRODUCTION

The SEA-EU Alliance has formally adopted the principle of Open Access through an Open Research Data common framework policy that enables its partner universities to become part of the evolving research and academic ecosystem where access to academic and publicly funded research and data is immediate and open, to the benefit of researchers, public and private stakeholders, and citizens in general. Open Science implies unhindered access to research scientific outputs (publications, data and ancillary products), made freely available to as many users as possible, creating a multiplier effect and triggering benefits that are spread as widely as possible. Besides the mission of nurturing brains, cultivating critical inquiry and preparing future human resources, universities are the cradle of research and often provide the splinters for innovation in the context of the common good. Open Science enables this potential to be fully harnessed. In this sense, Open Science is important to a wide range of beneficiaries:

- **Researchers**it promotes a more accurate verification of scientific results, speeding up scientific enquiry and discovery by avoiding repetition of the same efforts, and capitalising better on previous achievements.
- **Business stakeholders**..... it enhances innovation potential; data and its transformation into knowledge and intelligence are perceived as the basic ingredients to address common challenges, face and mitigate threats, take appropriate decisions, plan the future, and provide the best solutions; open science facilitates the exchange of research

efforts with industry players favouring joint ventures, enabling international collaboration, co-design and co-development.

- **Citizens**..... It promotes the trust of citizens in science, through greater citizen engagement, enabling science to become more relevant to society, and creating a partnership via the role of informed citizenship in sustainable development issues, influencing patterns of civic and scientific behaviour and attitudes, as well as consumer choice.

In their different aspects, all these categories of beneficiaries of Open Science need to be informed, mentored, trained and supported in order to understand, practise and exploit its many and diverse benefits. In particular, researchers, librarians, and IT support personnel need to refine certain skills in order to adapt to the concept of open access publishing. These include supporting, developing, and managing research information systems and repositories, dealing with publishers and contracts, adopting new models for funding (e.g., crowdfunding), license/copyright counselling, bibliometrics, and reporting on research impact. Researchers must learn to navigate the rapidly evolving publishing landscape and make correct decisions on where and how to submit and archive their work. Data science management skills also play a central role in Open Science. The focus here is increasingly on big data, data analytics, and data engineering.

2. DEVELOPMENT OF THE WORK AND RESULTS

2.1 The Open Science Ambassadors

In WP5, the project has dedicated a substantial effort to promote Open Science in its wide context with a programme of actions targeted to touch upon all the above impact categories. This was achieved through the designation of Open Science Ambassadors (OSAs) in each partner university. These OSAs followed a common approach and programme of activities with a range of individual and joint activities and events targeting both outreach and training dedicated to different audiences, and exploiting shared methods and methodologies of delivery.

One of the project milestones executed by M9 (September 2021) consisted in the nominations of the Open Science Ambassadors (OSA) from each partner university. The chosen OSAs provide the personnel power to boost conversations around open science, to cultivate awareness, fostering openness, and equip the scientific community with tools for change, explaining the benefits of data and information sharing to a broad range of constituencies, including: students, academics, library staff, policy makers, civil society and industry representatives.

A number of criteria were used to select the young male and female OSAs who are willing to provide a friendly and communicative face to this initiative. The targeted OSAs vouched to extend their knowledge about Open Science concepts, and declared that they were ready to work in teams to deliver activities to help in the drive for science popularisation, and to seek to engage their publics not simply in the results of scientific inquiry, but also in critically understanding and appreciating the data that makes such scientific results possible. The roles and requested tasks for the OSAs comprised:

- Representing OPEN SCIENCE
- Engaging with others – peers, students, specialists – to explain OPEN SCIENCE
- Showcasing what OPEN SCIENCE has to offer

- Reporting OPEN SCIENCE, ‘warts and all’
- Creating opportunities to talk about, and experience OPEN SCIENCE
- Expand and deepen their contacts’ experience with OPEN SCIENCE

Table 1 lists the 25 designated OSAs who served in this capacity at some stage during the project execution.

Name	University
Ritienne Gauci	UM
Audrey Zammit	UM
Adam Gauci	UM
Fiona Sammut	UM
Raelene Church	UM
Ivan Buljan	UNIST
Boris-Marko Kukovec	UNIST
Mirko Gabelica	UNIST
Julia Prieß-Buchheit	CAU
Peer Kröger	CAU
Katarzyna Świerk	UG
Małgorzata Kurkowiak	UG
Jakub Idczak	UG
Łukasz Rąbalski	UG
Jacek Pokrzywnicki	UG
Natasza Kosakowska-Berezecka	UG
Gemma Davies	UBO
Claire Hellio	UBO
Liana Ermakova	UBO
Sofian Berrouguet	UBO
Lisa Malguy	UBO
Tanguy Haute	UBO
David Manuel Lucena Antón	UCA
José Antonio Moral Muñoz	UCA
Antonio Vélez Estévez	UCA

2.2 The Staff Week in Malta

A 3-day peer meeting about ***‘Building an Open Future: Fostering Open Science across the SEA-EU Alliance and Beyond’*** was organised in hybrid mode by the University of Malta in Malta between the 24th and 26th of January 2022. The event brought together the Open Science Ambassadors from the SEA-EU Alliance universities to discuss and review ‘best practices’ on Open Science, to follow empowerment sessions on the concepts of openness, science, and ambassadorship, with introductions to communication tools, citizen science, discovery learning, social media, and the available technologies that help to promote open research and data dissemination. The event was combined with a parallel meeting for Open Research Data Officers to brainstorm, discuss and review ‘best practices’ in this field, whilst also recommending the next steps.

The Open Science Ambassadors meeting was the first of a number of planned events through which reSEArch-EU targets to strengthen and spread the culture of Open Science by means of joint training initiatives of staff members within the SEA-EU Alliance. The meeting, held during the Covid-19 pandemic, engaged 24 participants (of which 11 online) in an intensive programme focused on the concepts of openness, science, and ambassadorship. Tools such as communication, citizen science, discovery learning, social media, and the available technologies that help to promote open research and data dissemination, were presented. Invited speakers showcased citizen science initiatives while a special session was dedicated to demonstrate the skills involved in providing a friendly and communicative face to science. The ambassadors from the University of Malta and those present from the SEA-EU partner universities also shared episodes and engaged in a discussion on personal experiences. During the event, the participants visited the National Aquarium where they discussed the popularisation of science with the staff experienced in education and outreach. The group also visited the National Library which serves as a data repository for archives dating as far back as the 12th century. Prof. Godfrey Baldacchino, Rector's delegate for the SEA-EU initiative and an Ambassador-at-Large for Malta, together with Ms Maria Calleja, the SEA-EU & reSEArch-EU Technical Project Manager, organised and coordinated the event.



Group photo of the Open Science Ambassadors participants in Malta. Front line from left: Prof. Godfrey Baldacchino, Dr. Adam Gauci, Ms. Audrey Zammit, Dr Malgorzata Kurkowiak, Dr Lukasz Ribalski, Dr Jacek Pokrzywnicki, Dr. Ritiene Gauci, Dr. Fiona Sammut. Back line from left: Ms. Maria Calleja, Ms. Raelene Galea, Dr Jakub Idczak, Dr Liana Ermakova, Dr Claire Hellio.

The full programme of the event is listed below.

Open Research Data Officers

	Monday, 24th January 2022 – University of Malta, Msida Campus, Library Boardroom, Room 111
09:30	Meet at MSIDA Campus - main entrance of the University entrance <i>Meet on Campus for Quad Campus Tour</i> Prof. Aldo Drago, Mr Kevin J. Ellul
09:45	Welcome: Prof. Ing. Saviour Zammit, University of Malta, Work Package 5 Mr Kevin J. Ellul, Library Director, University of Malta, UM Self-introductions (all partners)
10:15	Open Research Data and the SEA-EU Alliance: a Review of the Scoping Survey Presenter: Ms Josianne Camilleri Vella
10:30	Open Research Data Policies at our Universities: The 'state of play' at UCA, UBO, CAU, UG, UNIST & UM. A Draft Research Data Management Policy for the UM Presenter: Mr Kevin J. Ellul Open Discussion Moderator: Prof. Ing. Saviour Zammit
11:15	<i>Refreshment Break</i>
11:45	Open Research Data policies at our Universities: The 'state of play' at UCA, UBO, CAU, UG, UNIST & UM (continued) Moderator: Prof. Ing. Saviour Zammit
13:00	<i>Lunch – Eetwell</i>
14:30	<i>Library Boardroom (Rm111):</i> The Challenges of Open Research Data as an integral component of Open Science Presenter: Mr Martin Lochman Moderator: Ms Kaja Lochman
16:00	Library Tour Ms Agata Scicluna Derkowska
	Tuesday, 25th January 2022 – University of Malta, Valletta Campus – Aula Magna
9:30	SeaDataNet Presenter: Ms Michelle Fichaut <i>online</i>
11:00	<i>Refreshment break</i>
11:30	Challenges in Open Research Infrastructures Moderator: Ms Josianne Camilleri Vella
12:00	Dataverse at the University of Minho Presenter: Mr Pedro Principe <i>online</i>
12:45	<i>Lunch – Eetwell</i>

15:00	<i>Free afternoon</i>
	Wednesday, 26th January 2022 – University of Malta, Msida Campus, Library Boardroom, Room 111
9:30	Compilation of a Research Data Management Plan for reSEArch-EU: the experience of UCA and UNIST Presenters: Mr Juan Ramon Real Buhigas, Mr Marko Vuckovic <i>online</i>
11:00	<i>Refreshment Break</i>
11:30	Planning of Future Actions: <ul style="list-style-type: none"> ● Policy Development ● Infrastructures ● Exchanges ● Set up common procedures and practices for uploading of data sets ● Alignment with Regional and National Policy Moderator: Prof. Aldo Drago
	<i>Conclusion</i>
13:00	<i>Lunch – Eetwell</i>
14:30	<i>Free afternoon/evening & departures</i>

Open Science Ambassadors

	Monday, 24th January 2022 – University of Malta, Valletta Campus, Aula Magna
09: 30	Registration
09:45	Welcome: Self-introductions (all partners) Malta Ambassador-at-Large and Rector’s Delegate for SEA-EU, Prof. Godfrey Baldacchino Intro to Work Package 5 deliverables and milestones Concepts of openness, science and ambassadorship. Introducing the tools of our trade: Communication; Discovery Learning; Story Telling; Social Media; Technology; etc.
10:00	(Open discussion continues)
10:15	Open Science in Practice: Highlighting episodes of personal experience that stand out. Dr Adam Gauci & Ms Audrey Zammit Dr Ritienne Gauci & Ms Raelene Galea and others Open Science Ambassadors from SEA-EU partners.
11:15	<i>Refreshment Break</i>
11:30	Citizen science in practice: Prof. Alan Deidun, Dr Alexandra Bonnici, Dr Fiona Sammut

13:00	<i>Lunch – Eetwell</i>
14:30	(Open discussion continues) The Open Science Ambassador: Skills involved in providing a friendly and communicative face to Science Dr Anthony Galea, Mr Clayton Cutajar (Esplora Science Interactive Centre)
16:30	Conclusion

Tuesday, 25th January 2022 – Malta National Aquarium	
09: 00	Transport from Valletta Meeting point in front of Phoenicia Hotel, Floriana Departure by organised transport at 9am sharp Visit to National Aquarium, Qawra. Engaging with science educators on site.
11:00	<i>Refreshment Break</i>
11:15	Open Science practices: challenges and opportunities (itinerant conversations)
12:30	<i>Lunch at La Nave Bistro, Qawra (at own expense) Transport back to Valletta (2pm)</i>
15:00	<i>Afternoon visit to National Library, Valletta</i>

Wednesday, 26th January 2022 – University of Malta, Valletta Campus – Aula Magna	
09: 30	Open Science Training: ‘Learning by Doing’ Open Science Presentations by each Open Science Ambassador, with critical evaluation and constructive feedback from all other participants.
11:00	<i>Refreshment break</i>
11:15	Planning of Future Actions: <ul style="list-style-type: none"> • Development of Training Initiatives within each university • Creating a Support Unit for Open Science Ambassadors within SEA-EU Alliance (SUFOSA) • Communication and Dissemination activities Moderator: Ms Maria Calleja
	<i>Conclusion</i>
13:00	<i>Lunch at Eetwell</i>
14:00	<i>Free afternoon/ evening & departures</i>

2.3 Organisation of the Information Sessions

The main effort of the OSAs after the Staff Week consisted in the organisation of Open Science Information Sessions by each partner university. These events were mainly intended for the local academics (including students) and mainly delivered in the respective mother languages. Where relevant, the information sessions were open to an audience beyond the organising university and reaching out across the SEA-EU partners. In some cases, the events were uploaded to the SEA-EU YouTube [channel](#) for wider dissemination.



UM

The first information session was organised on 27th April 2022 by the University of Malta. A lecture on open science theory and practice by Dr. Ritienne Gauci was mainly aimed at other Open Science Ambassadors within the SEA-EU Alliance, and provided an opportunity to promote the ambitions of the Alliance with respect to teaching and spreading

Open Science practices across the research community. Delivered online and open to the public, the lecture provided a full overview on the concept of Open Science itself, since the existence of multiple definitions creates a need for understanding of common principles and objectives. The main schools of Open Science were introduced and their approaches were compared to obtain a clear vision of the current landscape in the theories of Open Science. The lecture contributed to develop a common understanding of the many concepts surrounding Open Science, such as Open Access, Open Data and Open Policies. It also gave some insight into the potential of Open Science for the future of Europe, raising awareness of the influence that Open Science policies have at the geopolitical level and the goals pursued by the European institutions to compete with global powerhouses such as the United States or China. The FAIR principles (findability, accessibility, inter-operability and re-usability) were thoroughly explained, and the main challenges that any Open Science Ambassador faces were identified: namely, the lack of awareness among scientists, the lack of incentives from the institutions and the current research assessment frameworks, which still do not encourage the acquisition of Open Science practices as much as researchers might need.

SPLIT

The University of Split organised a lecture on the topic "Introduction to Open Science" on 20th June 2022, delivered by Dr. sc. Ivan Buljan, SEA-EU Open Science Ambassador. In the last decade, we have witnessed the accelerated development of open science and a large number of initiatives that strive to open up the entire research process as much as possible and make research activities as transparent as possible. That is why it is important to discuss the future of open science, its advantages, questions that are still open and possible improvements. In this context, the University of Split, as part of the reSEArch-EU project, together with the partner universities of the SEA-EU Alliance, launched an initiative of joint promotion of Open Science through the work of SEA-EU Open Science Ambassadors.



The lecture was held in the large amphitheatre of the Faculty of Medicine and was attended by over 80 participants, who had the opportunity to learn what open science is, how this movement developed and what its significance is for the scientific community and society in general.

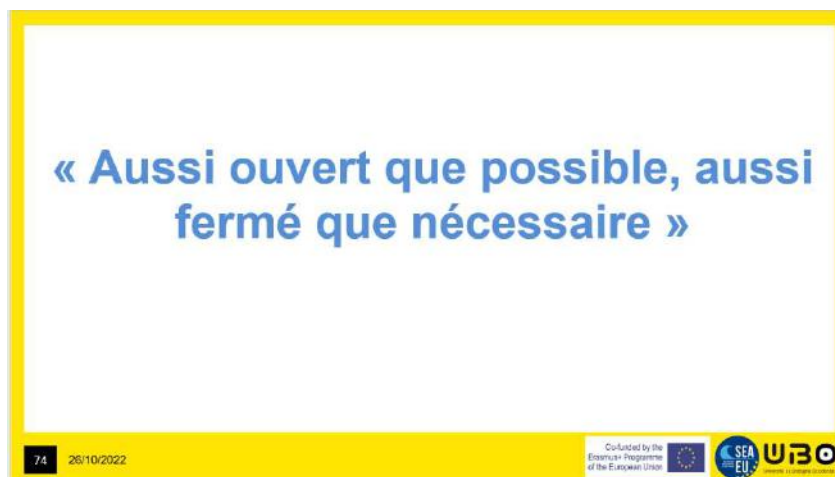
The lecturer prefaced the importance of this movement in the transparent dissemination of knowledge and greater participation of society in scientific processes. The materials used in the lecture are the joint effort of Dr Ivana Buljana, Dr Mirko Gabelica, and other members of the reSEArch-EU project.

Dr. Ivan Buljan presented the participants with the elements of Open Science, the importance of the FAIR principle (findability, accessibility, inter-operability and re-usability) in the use of research data and additionally emphasized the meaning and importance of re-registration of scientific research.

Open Science was presented as a modern approach to scientific research, and it is to be expected that future generations of researchers will base their activities on the principles of open science. The lecture concluded with an invitation to all those who wish to contribute to the development of open science at the University to join the activities of the reSEArch-EU project, as well as other activities of the SEA-EU Alliance.

UBO

The information session by the University of Brest was organised on 27th September 2022. Data is invaluable to a researcher's work, and decisions regarding it cannot be made lightly. Researchers who are informed and aware are in a position to collect, handle, store, secure and share the data whilst both acting in accordance with their funder's requests regarding Open Science and getting the most out of the data.



Dr Lisa Malguy and Dr Gemma Davies, Open Science Officers and Mentors for UBO, opened the session by introducing the context and stakes of Open Science: the international and national political context regarding Open Science as well as the arguments brought forward to promote the sharing of research data and the legal frameworks relating to Open Science. The Data Protection Officer for UBO addressed the particularly complex topic of personal data, the GDPR and in what ways this can impact researchers and how to comply with these rules in their work.

Four Ambassadors were then invited to present in what ways Open Research Data principles may impact their respective research fields, and how they currently are benefiting from Open Research Data principles in their research projects.

[Prof. Gautier](#) thus presented the FAIR principles, the relevance of Open Research Data in the field of Maths and ICT, as well as the advantages and challenges these principles pose for both the user and the creator of the Open Research Data.

[Prof. Berrouiguet](#) discussed the role of Data in Health studies and how data is currently being managed. He then stressed that researchers who work towards implementing Open Research Data principles from the initial steps of their research can benefit from support from specialised organisations, thus saving themselves precious time and avoiding making mistakes.

[Prof. Ermakova](#) discussed the benefits of sharing linguistic resources, the specifics of translated texts, copyrights and demonstrated the impact that Open Research Data can have on the number of citations.

Finally, [Prof. Hellio](#) introduced the global benefits of Open Research Data with examples applied to researchers in sciences and marine sciences. She highlighted the importance of tools such as Data Management Plans, digital lab-logs, data papers and Open Reviews all the while describing how she is currently using these tools in her laboratory and on her projects.

GDANSK

The Information Session by the University of Gdansk was delivered on 17th October 2022 by



Open science is a very broad concept that does not need to be limited to only open access to publications and research results. As part of the reSEArch-EU project, the "Ambassadors of Open Science" program was created, thanks to which science will spread its message beyond the walls of the universities. All SEA EU member universities are involved in the project. A meeting of the series will be held at the University of Gdańsk on October 17 at 10:00.

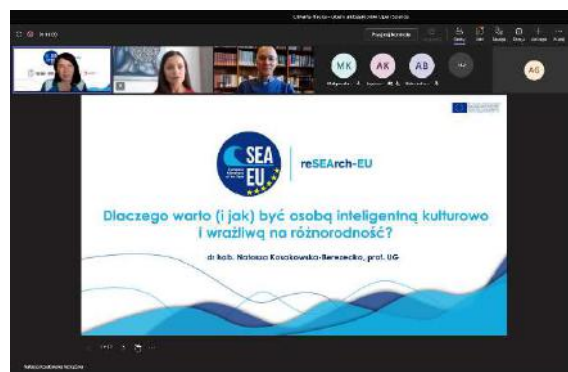
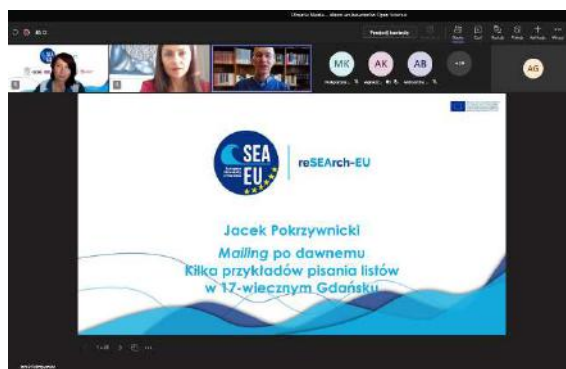
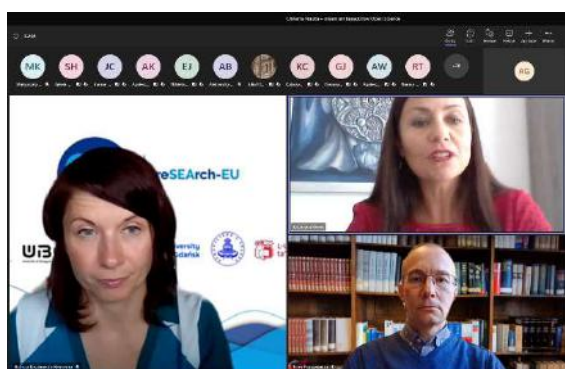
To register and follow the event online use this [LINK](#).

More information can be found on the UG website

<https://up.edu.pl/news/pl/43102/otwarta-nauka-okiem-ambasadorow-open-science>

the OSAs covering various scientific disciplines: Dr Małgorzata Kurkowiak from the Intergovernmental Centre for Research on Cancer Vaccines, Dr Natasza Kosakowska-Berezecka, Professor UG from the Faculty of Social Sciences, Dr Łukasz Rąbalski from the Faculty of Biotechnology, Dr Jacek Pokrzywnicki from the Faculty of Philology, and Dr Katarzyna Świerk from the UG Science Office. Additionally, Dr Aleksandra Brodecka-Goluch from the Faculty

of Oceanography and Geography presented the *RV Oceanograf* joint research cruise as an example of scientific collaboration and sharing of research data. The event was conducted in Polish. The meeting included a presentation on the different experiences of dealing with Open Science by the UG Ambassadors. 54 participants attended this event.



CADIZ

The virtual info session by the University of Cadiz was organised on 29th November 2022, targeting to promote understanding and awareness of the main concepts in relation to open science within the research community of the University. Furthermore, it aimed at shedding light on the advantages of incorporating open science practices into research projects for both the international scientific community and individual scientists. Given the atomization of campuses across the province of Cadiz and aiming at achieving participation from all fields of knowledge, the event was held in virtual mode and hosted in a Zoom video meeting room.

Participating lecturers were Antonio Vélez (Professor at the School of Engineering of the University of Cadiz); José Antonio Moral (Professor at the Faculty of Nursing and Physiotherapy of the University of Cadiz) and David Lucena (Professor at the Faculty of Nursing and Physiotherapy of the University of Cadiz).

More specifically the specific objectives were:

- (i) To acquire basic knowledge on Open Science concepts and practices.
- (ii) To fine-tune the ability to notice the differences between the existing dimensions of Open Science, paying special attention to the meaning and purpose of Open Access and Open Data.

The poster features a textured background with the title 'PRÁCTICAS DE CIENCIA ABIERTA' in large blue letters, followed by 'Sesión informativa virtual'. It lists three speakers: Antonio Vélez Estévez, José Antonio Moral Muñoz, and David Manuel Lucena Antón, each with a small portrait. The program includes sections for 'PROGRAMACIÓN' with topics like 'INTRODUCCIÓN: LA PROMOCIÓN DE LA CIENCIA ABIERTA A NIVEL EUROPEO...', 'DEFINICIÓN Y TAXONOMÍA DE LA OPEN SCIENCE...', 'BENEFICIOS DE LAS PRÁCTICAS DE OPEN SCIENCE...', 'EJEMPLOS DE USO DE PRÁCTICAS DE OPEN SCIENCE...', and 'VÍNCULO ENTRE OPEN SCIENCE Y CITIZEN SCIENCE...'. It also specifies the date '29 DE NOVIEMBRE DE 2022 DE 9:30 A 11:00', the Zoom link 'NOS VEMOS EN ZOOM ¡APÚNTATE!', and a QR code. Logos for SEA-EU, reSEArch-EU, and the European Union are at the bottom.

- (iii) To raise awareness of the importance and benefits of Open Science for the academic community.
- (iv) To promote a discussion on the advantages that open science may bring for researchers individually as well as the challenges for them, considering the current research assessment systems and metrics.

The program consisted of:

- (i) Introduction: promotion of Open Science practices at the European level and objectives of the European University of the Seas (SEA-EU);
- (ii) Definition and taxonomy of Open Science: special reference to Open Access and Open Data;
- (iii) Advantages of implementing open science practices: transparency, reproducibility, networking, collaboration;
- (iv) Examples of the use of Open Science practices across different academic disciplines, and
- (v) the link between Open Science and Citizen Science.

The virtual session was followed by 58 researchers, most of them PhD candidates. It was initially scheduled as a 90-minute webinar, however given the number of questions asked and the required discussion, the session eventually lasted two hours. The event was recorded on the Zoom cloud and each lecture will be uploaded to the SEA-EU YouTube channel as part of a specific playlist. Drawing from the questions asked by the attendees, and considering the lecturers' points of view, several leads were identified for future activities related to the promotion of Open Science practices among researchers of the SEA-EU Alliance. These include:

1. Inter-disciplinary dialogue is key: open science practices may require different approaches and adaptations depending on each scientific discipline, and therefore

scientists from a variety of fields of expertise should be provided with discussion fora where they could discuss how to implement open science in diverse scenarios.

2. There is also a need to monitor periodically how researchers perceive open science: this way, promotional activities in the future can be better planned and address specific issues of concern for researchers with a clearer idea of barriers and accelerators.
3. Incentives are crucial if open science is to be properly mainstreamed: beyond the long-term, global benefits of open science, researchers should feel that open science may bring specific advantages for them. In this regard, proper mapping of funding opportunities at all levels (European, national, regional, local) where the implementation of open science practices is especially valued and rewarded is required.

KIEL

At Kiel University a series of Coffee Lectures were organized in order to inform about and to promote Open Science. These informative lectures are organised at the Digital Learning Lab of the Kiel University Library at lunch time every second Tuesday of the month. They reached their climax during the winter semester of 2023. These activities attract members of Kiel University who want to learn about, and discuss the benefits of Open Science for their research and beyond, and can attend the lectures and events in person or also online.

The Open Science Coffee Lecture series is to be continued in 2024 with at least four more events. They cover the topics of Open Access at Kiel University, Reproducible Research and Open Science, Looking abroad: Open Science in France, and Participate, Research, Create - New Ways in Research with Citizen Science.

2.4 WP5 Meeting on Open Science and Open Research Data

This meeting was held at the University of Cadiz from 21st to 22nd March 2023. It was intended to promote the direct interaction of the project Open Science Ambassadors (OSAs) with the Open Research Data Officers (ORDOs). At the point of execution reached at the beginning of the third and final year of the project, it was necessary that the OSAs gain detailed knowledge on the project deliverables in Tasks 5.1/2/3 where the ORDOs had already prepared a SEA-EU Research Data Management Policy Framework, and were preparing to synergise the partner universities to apply Open Science practices and principles. Meanwhile, the OSA programme was entering its most effective phase where the role of the OSAs needed to be amplified with interventions on outreach and awareness, on promotion, education and discussion with users on the benefits of OS, ORD and the value of sharing research outputs and data generally. The programme outlined below was also intended to strengthen the role of the OSAs in empowering and supporting users, and a 'Train the Trainers' session was organised on Day 2 of the meeting to guide the OSAs in their delivery to enable and effectively reach the users on Open Science concepts and practices. All the partner universities sent their designated OSAs and ORDOs to participate physically at this meeting.

During the second day of the meeting the OSAs exchanged views on how to best carry out their roles, sharing specific ideas about how to empower this role in order to be effective in reaching out across the Alliance to promote Open Science. Presentation of ideas from each group session were delivered and a report was delivered, with a plan of activities for each

OSAs. Basing upon the experience gained from the info sessions delivered in the second year of the project, the activities in the third year provided a long and enduring process of outreach that were organised until the end of the project. This endeavour comprised an articulated and planned series of activities that was also the occasion to disseminate project deliverables and outcomes to targeted audiences, with the key intention of showcasing benefits of open science practice, and to support academics and students to understand and be ready to adopt open research concepts.

Each university prepared a list of events to be organised in the last six months of the project. The events are of different nature covering training, promotion and awareness aspects, and targeting different audiences (academic, public and specialised users).

Full programme of the Cadiz meeting

Tuesday, 21 st March 2023	
09:00	Registration and welcome coffee
09:15	<p>Welcome addresses:</p> <ul style="list-style-type: none"> • Fidel Echevarría (SEA-EU General Coordinator) • M. Laura Martin Diaz (Head, reSEArch-EU) to introduce the overall scope of the event. • Godfrey Baldacchino (WP5 Leader) to present the meeting programme for the two days.
09:45	<p>The SEA-EU Research Data Management Policy (D5.2): open discussion <i>Moderator: Josianne Camilleri Vella</i></p> <ul style="list-style-type: none"> • Introductory presentation by Kevin (15') • Round of presentations (5' each): <u>how the SEA-EU institutions are implementing Open Science Principles and Practices</u> <p>Link: https://zoom.us/j/91889778102</p>
10:30	<p>Analysis of the RDM Survey Results</p> <ul style="list-style-type: none"> • Presentation by Raelene Galea (15") <p>The Research Data Management Toolkit (D5.2): Open discussion and contributions by the OSAs <i>Moderator: Ljiljana Poljak Bilić</i></p> <ul style="list-style-type: none"> • Introductory presentation by <i>Ljiljana Poljak Bilić</i> (20") • Clarifications • Fundamental and additional elements • Required support from the OSAs • Questions by OSAs and answers by ORDOs <p>Link: https://zoom.us/j/91889778102</p>
11:15	<i>Refreshment Break</i>
11:30	Recording of the video capsules about Open Science

13:30	<i>Lunch Break</i>
14:30	<p>The SEA-EU ORD System (D5.3): expectations set out in the Description of Action and achievements made up to the moment.</p> <ul style="list-style-type: none"> • Presentation by the WP leader (20') • Questions and answers (10') <p>Link: https://zoom.us/j/91889778102</p>
15:00	<p>The SEA-EU ORD System (D5.3): Linking ORD infrastructure across the SEA-EU Alliance with OpenAIRE Connect</p> <p>Miriam Baglioni, Researcher at Networked Multimedia Information Systems (NeMIS) lab, Istituto di Scienza e Tecnologie dell'Informazione (ISTI), CNR, Italy</p> <p>Link: https://zoom.us/j/91889778102</p>
16:15	<p>Visit/s to the Open Science and the Open Research Data infrastructure at the University of Cadiz</p> <p>Presentation by the Library Staff about the institutional repository (RODIN) of the University and the initiatives carried out to support researchers in the implementation of Open Science practices (45').</p>
17:15	Adjournment
	Wednesday, 22nd March 2023
09:00	<p>Setting the scene and scope of the day</p> <p><i>Moderators : Godfrey Baldacchino or Aldo Drago (UM)</i></p> <p>The session will be run in an interactive and practical mode with the interventions of both ORDOs and OSAs. It is meant to encourage:</p> <ul style="list-style-type: none"> (i) the sharing of experiences and lessons learnt from these; and (ii) jointly building new material and deliverables to be used by OSAs in their programme. <p>Link: https://zoom.us/j/91889778102</p>
10:00	<p>Training initiatives (D5.5):</p> <p>The evolving landscape of DMPs and how ARGOS contributes</p> <p>Elli Papadopoulou, ARGOS Production Manager, ATHENA Research and Innovation Centre (<i>online</i>).</p> <p>Link: https://zoom.us/j/91889778102</p>
11:15	<i>Refreshment break</i>
11:30	<p>Practical session for OSAs</p> <p><i>Moderators: Katarzyna Swierk, Aldo Drago and Godfrey Baldacchino</i></p> <p>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</p>

	programme of activities. (90')
13:00	<i>Lunch break</i>
14:30	Practical session for OSAs (cont.) <i>Moderators: Katarzyna Swierk, Aldo Drago and Godfrey Baldacchino</i> <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
16:15	Open discussion (ORDOs and OSAs) <i>Challenges to complete the WP5 tasks. (60')</i>
17:15	Adjournment

The outreach activities are listed below, by university:

MALTA

Interview on Radio Mocha about Open Science and the SEA-EU Alliance

EMODnet Ingestion 3 kick-off meeting EMODnet ambassadors were introduced to the SEA-EU Marine Data Literacy Course, and the work being done in reSEArch-EU to promote open science

Open Science at Science in the City / Researchers' Night, Malta 2022

A science festival where presentations were made to the public about Open Science

Open Science at Science in the City, Malta 2023

A science festival where a stand with material promoting Citizen Science and Open data were displayed

Did you know? Campaign on Open Science at Science in the City, Malta 2023

OSAs provided some content to the SitC Facebook page

European Researchers' Night, Malta 2023

A presentation about Open Science was presented during Changemakers Spotlight

CADIZ

Science shop - The Science Shop was created for the local citizens to express their considerations about the problems that they encounter daily. These complaints will be analysed and used at the university of Cadiz to create new lines of investigation.

Community word cloud of science - This activity was programmed with the software Mentimeter (<https://www.mentimeter.com/es-ES>). Participants were asked to respond to the question: What association do you have with the word science/research? Then their answers were displayed on the large screen in the anonymous form.

Exhibition and explanation of the posters of the informative project - Posters were designed with the values, mission, and tools elaborated in the projects reSEArch-EU and SEA-EU. The participants could learn about all the work done, designed platforms, and educational courses with a focus on the mission of the SEA-EU Alliance.

KIEL

OSA Exchange at the Education and Teaching Formats Reports from the Reproducibility Networks

"Small Open Science Campaign at Kiel University: Kiel University is fostering the Open Science movement, which seeks to open up the scientific process for more exchange and transparency within and outside the university context. The Open Science campaign at Kiel University raises awareness and encourages researchers to engage in open science practices."

Overall, Kiel University is committed to advancing Open Science initiatives through research, collaboration, learning abroad programs, technological advances, and more. The campaign will use posters, leaflets, and other information material.

SPLIT

<p>Workshop on Open Science: Sharing Research Data and Best Practices</p> <p>A dynamic event designed to educate and empower researchers, and scientists in the principles and practices of Open Science. This workshop highlights the significance of Open Science in advancing research and knowledge.</p> <p>Participants were equipped with the knowledge and tools to embrace Open Science principles, fostering a more open, collaborative, and impactful scientific community.</p>
<p>Presentation at the German Reproducibility Network symposium on education and reproducibility explores the teaching of reproducible research, focusing on both formal (structured) and informal (unstructured) teaching methods and their application in a Croatian context.</p>
<p>Newspaper articles – science data, open science</p>
<p>Open Science on social media</p>
<p>Promotion of Open Science during Researcher’s Night, Open Science Quizzes, Talks with scientists</p>
<p>Staff Week Research Integrity</p>

BREST

<p>Open Science Presentations in Laboratories</p>
<p>DECODE – Science is Open – Serious Game</p>
<p>Participation in the European Researchers’ Night</p>
<p>Second Information Session On Open Science</p>
<p>Open Data Survey</p>

GDANSK

<p>Escape room "Open Access"</p>	<p>The game in frame of International Open Science Week – the puzzles adapted to the open publishing principles.</p>
<p>Schütz - Selected poems from Historia rerum Prussicarum – transcription, translation and photographs</p>	<p>The data set comprises of a transcription from manuscript, English and Polish translation, and photographs of two poems by Kaspar Schütz (1540-1594) - a poet, writer, jurist, and secretary in the townhall of the old Danzig (now Gdańsk).</p>
<p>Pre-schoolers' visit to a bio-technology laboratory UG</p>	<p>Children will see laboratories and equipment for the production of biological preparations, they will be able to see how scientists work and ask questions.</p>
<p>"How to build Research culture"? - lecture for inter-national students of Faculty of Economy</p>	<p>As a part of Erasmus project - lecture for students from University of Michigan USA (8) and Erasmus students (12). The students will benefit from experience and perspectives related to research culture - on the basis of HR Excellence in Research programme</p>

<p>Around the Sun and the Moon – workshops on reading old astronomic graphics and treatises from the collection of the Gdansk Library of the Polish Academy of Sciences (in Polish)</p>	<p>Open workshops as part of Pomeranian Night of Scientists (2023 edition)</p>
<p>Research Info Day - training for newcomers (academic staff)</p>	<p>Meeting and training at the UG Welcome Centre for newly recruited academics. 4 information sessions on principles of research funding, publishing, open access, research data and scientific profiles in the internal UG Knowledge Base. At the end of the meeting, participants will receive library cards</p>
<p>Open Science at UG - presentation during site visit in Parthenope University in Naples</p>	<p>Study visit to new partner in Sea EU 2.0 project, where the achievements of the alliance will be presented - researcher database, infrastructure data base and research data policy framework</p>

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.

2.5 Web presence of the OSA Project activities

The project website was organised with a dedicated WP5 section. The content was updated during the project execution so that OSA activities could be anticipated and promoted. In many instances activities were reported by dedicated short online reports to showcase and share the outputs.

The website also served for the OSA to present themselves through a short bio which presented the profile of each ambassador, together with the experience in Open Science at the level of the local university, and some comments on the plans for reaching out to fellow academics about open science.

2.6 Coordination of the OSA outreach activities

The success of this task demanded a coordinated effort between the Open Science Ambassadors. Within one month from the meeting in Cadiz, and basing on the exchange of ideas and setting of targets made at the meeting, each partner prepared a list of proposed outreach 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 outreach 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.

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

Management Policy Framework and its implications on how this will be affecting the flow of research data at the SEA-EU and individual university level.

Each university kept a detailed record of the individual OSA activities. This was done through the adoption of a common WORD doc template for listing of 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 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 completeness sake, these individual files also listed the previous OS activities done 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, etc,) dedicated to the activity was also compiled and shared, serving as resource material for other OSAs as well as for future use.

The promotional aspects of the OS activities were also given ample importance. The promotion of an activity is essential for its successful execution. The promotion process depends 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, each partner completed the detailed outreach report described above, and these final reports are included in the annex of this report.

3. RECOMMENDATIONS AND FOLLOW-UP

Our project has brought together a trained team of ambassadors for open science in the SEA-EU Alliance universities. All the OSAs have endeavoured to build experience in outreach and training activities. Some of the activities are ready to be repeated to reach out to wider audiences also through participation in annual events like the researcher's night. Training activities like those of UM have been formally introduced as components in formative and skill development courses or in induction courses to new student intakes

OS is still evolving and our OS popularisation must be sustained after the project. We have created something to remain. After the project, SEA-EU should inherit this experience and continue to maintain and possibly widen the role of the Open Science Ambassadors in the longer term. We have started a process to remain, and the OSAs should continue to amplify their mission and actions under a consolidated SEA-EU framework.

A forward essential step is the formal setting up of a SEA-EU Open Science Office composed of OSAs and run as a combined effort and with defined Terms of Reference and commitments at the SEA-EU level. The role of the libraries here is essential. Library staff in several partner universities, like the one at the University of Malta, are already engaged in Open Science through a dedicated team and this needs to be synergised across the universities. Such an Office would take care to provide ongoing insights into researchers' attitudes towards and experiences of open data.

offer services

We need also to extend the OSA network to the other three new universities that now form part of the SEA-EU Alliance. Variations from different disciplines, sectors of expertise and individual universities demand a broadened approach to research data management support across the Alliance. There are moreover many targets that need to be tackled holistically. Moreover the SEA-EU community needs to be nurtured in view of the many evolving facets of Open Science such as in the case of artificial intelligence (AI) tools for data collection, data processing and metadata collection. There are a multitude of future potentials of AI in its role for making science more open and accessible. The SEA-EU is expected to take these opportunities to propose initiatives for AI-enabled Open Science systems.

ANNEXES

Six individual implementation information files are included as annexed documents to this deliverable report. Each file refers to outreach activities implemented by individual partners during the Project lifetime.

WP5 Meeting on Open Science and Open Research Data Train the Trainers Session

22nd March 2023

Cadiz Campus, University of Cadiz, Spain

Team 1 report

Team Members:

FULL NAME	UNIVERSITY
Roland Gautier	University of Western Britanny
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 Britanny

Team Mentor: Godfrey Baldacchino, University of Malta

Why bother about Open Science and Open Data?

To order to prevent binding and locking access to the data with one institution or individual. If the research is being supported by public money, then the data has to be accessible. We have to use open infrastructure to preserve data that normally we would not be able to store.

To broaden knowledge, so that we let other researchers work on and with our data; just as we would be able to work with their own.

To secure funding from European sources.

What is Open Science?

First of all, open science is more like an active way to spread science to the world than open data or open access. Open science has the goal to promote science to citizens. To do that, we have to find different ways to reach them. We have to reach out, motivate and energize people to be and feel part of the scientific community but not only based on our research.

We have to connect and communicate at different levels of scientific awareness and be able to explain or teach our various publics at different levels of knowledge and interest.

What we can do to share the message.

We need to target the new generation of researchers, train PhD students to include data (and not just research) when it comes to ethics and societal engagement. We need to create a practical course for scientists on how to be able to get more involved in open science. We need to have clear boundaries of open science and open data within the broader scientific community.

We can organise informal meetings with other colleagues to talk about open science and open data. Each university has some labs which work for different national institutions. So, there may be different policies in place for each institution. In order to create a unique policy that all stakeholders agree with, we have to find and bring people from each institution to work with us. We have to find a way for academics and administrators to work together and help each other.

Finally, it will be good to organise a last (on-line) meeting and share the link to all members of our universities. If they follow this last meeting, they will learn about the work that has been done and what we want to do to go further. In this way, more people may join us to be part of the Open Science and Open Data community.

Team 2 report

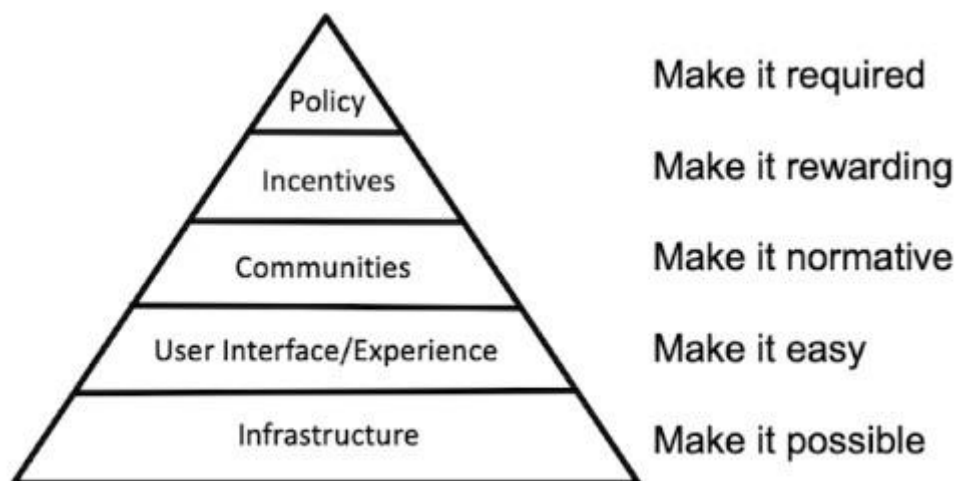
Team Members:

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
Matthias Renz	Kiel University
Julia Prieß-Buchheit	University of Kiel

Team Mentor: Aldo Drago, University of Malta

The activities related to the practical session held in Cádiz on 22nd March 2023, started well in advance through a discussion held via emails. The main outcomes of both the email and in-person discussion are highlighted below.

1) Nosek's framework for cultural change¹



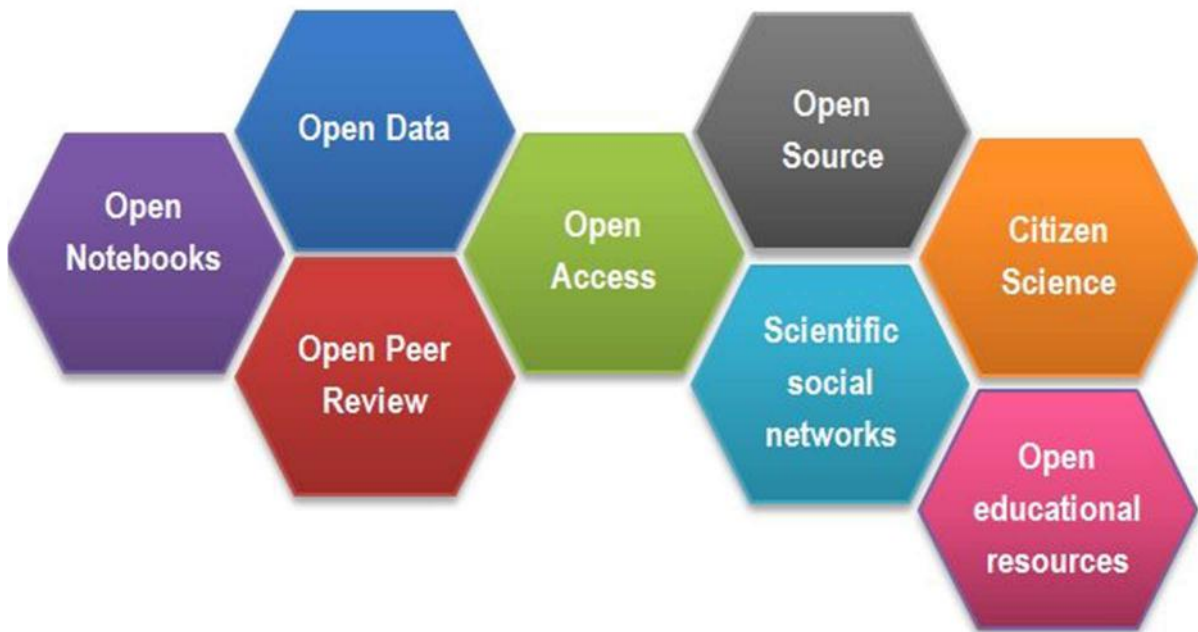
The general consensus within the group was that we need to motivate researchers to adopt an Open Science approach by focussing on the benefits for the researchers themselves, besides the benefits to society.

¹ <https://www.cos.io/blog/strategy-for-culture-change>

An extensive discussion was held, also when sharing our conclusions with the other teams, about which strategy works best. Namely, should Open Science be imposed on researchers through policy, or should there be a drive to convince researchers that this is what is best for them by pointing out existing incentives. The document “*Sticks and carrots: encouraging open science at its source*”² provided some background for this discussion.

2) What is opening in open science?

The term Open Science covers a wide range of concepts as shown in the diagram below³:



There was a suggestion to focus on the transition from Open Access, which many researchers are already familiar with, to Open Science. Hence the question “*What is opening in open science?*” The leitmotif of our activities would be to encourage or promote awareness of the transformation that changes the fundamental principles of conducting scientific research. Some differences between traditional science and open science are listed in the table below.

Traditional Science	Open Science
Rewards novel significant findings	Encourages small incremental steps
Encourages positive findings	Shares negative findings enabling researchers to avoid “blind alleys”
Researchers comfortable in their ways – not ready to invest time to change	“Enforced” in European projects

² <https://doi.org/10.1002/geo2.2>

³ <https://www.fosteropenscience.eu/>

3) Role of Open Science Ambassadors

The role⁴ of the Open Science Ambassador is to:

- Connect
- Dialog
- Train
- Represent

The manner in which to connect depends on the target audience. This can be classified into:

- Researchers
- Students
- Administration
- Society

Researchers and Students:

Students are the researchers of tomorrow, so these two classes can be grouped together. However, in order to ensure a higher degree of success, it is essential to find out which frameworks already exist, and use these to deliver the Open Science message, rather than try to create some new frameworks. These might be different for established researchers than they are for students.

The main message to deliver to this audience should focus on the benefits that Open Science provides:

- Transparency
- Storage of data
- Visibility-Identity
- Reproducibility
- Collaborations

Administrators

In this case, the focus could be on how the University rankings can improve through the adoption of Open Science practices. For example, if data is shared and cited, this will result in more visibility of the institution. However, the University needs to support and acknowledge the activities of researchers within the Open Science framework. For example we can ask our university to sign the Coalition for Advancing Research Assessment: COARA.

Society

Society is best reached through non-formal activities:

- Meetings - such as European Researchers' Night, which is held every year. This provides an opportunity for the general public to meet with researchers in an informal environment and learn about how research that is ongoing in various institutions, can actually have an impact on their lives.
- Flyers

⁴ <https://www.cos.io/communities/ambassadors>

- Social media platforms - short posts on Social Media with links to more detailed documents or web pages can be used to reach a wider audience.

4) Proposed activities

As described above, there was a general agreement that it is better to target smaller activities within existing structures, which offer a higher probability of success, than plan very demanding activities. With this in mind the following activities are being proposed.

- Sessions on Open Science within existing courses:** Each University might have an existing framework for continuing professional development for researchers. OSAs could ask for a single session to be included within this framework to promote Open Science and describe existing tools. Similar courses could be held by doctoral schools (or equivalent) for students. This could also be done in collaboration with ORDO's in order for OSA to represent at best the work of the ORDO's too.
- Social media:** Posts about OSA activities, or about Open Science in general, will be included on [reSEArch-EU Instagram page](#). A related hashtag will be created. Each university can share this on the relevant social platform to generate a wider reach.
- Addressing researchers' doubts:** When proposing Open Science to a group of researchers, they could be asked to submit what factors they think prevent them from adopting Open Science on a tool like Mentimeter. The OSA can then address some (or all) of these factors. In order to prepare for as wide a range of obstacles as possible, we would need to refer to studies aimed at detecting the barriers to Open Science.
- European Researchers' Night:** As OSAs we could organise a competition for researchers to showcase the openness of their research. Winning entries, or all entries, could be displayed during the European Researchers' Night activities.
- To Train It would be convenient to concretely establish the roles of the ORDOs and OSAs within each university, as well as to establish ORDO-OSAs coordination mechanisms. This will allow the OSAs to have adequate training, and to develop specific training for students and researchers, in a clear and concise manner, with instructions on the use of the repositories of choice for the university, as well as the toolkits to be used for the development of the data management plan, etc.

Team 3 report

Team Members:

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 Hernandez - Gonzales	University of Western Brittany

Team Mentor: Katarzyna Świerk, University of Gdansk

The task of the team was to come up with a programme of activities to be carried out in the SEA-EU partner universities dealing with open research data and research data management.

Open Science Awareness Amongst First Year Undergraduate Students

The idea of educating university students was emphasised within this group. It is believed that if we need to change a culture we need to start from the students. During the discussion it was clear that students from different countries have different data and digital literacy skills at the start of their studies at university. Data Literacy & Digital Literacy skills should be introduced in the first year of university studies especially for those students who are not exposed to ECDL or equivalent prior to attending university. This training would include information about what data is, how it should be organised and the importance of collecting and organising data. The content can be adapted according to the requirements of each university.

OSAs can disseminate information regarding data and its organisation, by demonstrating what is available so that students are aware of the tools that are at their disposal. At this point, students need to understand why the proper organisation and storage of data is important, keeping in mind ethical considerations. Following this, the importance of sharing the data whilst adhering to FAIR principles should be conveyed. Complementary to this approach is that academics need to be on board in order to build on what the OSAs would have communicated and to then be able to work with OSAs and students in order to provide 'open science'-related training that is more discipline-specific.

Training about the organisation and storage of data could be included in a study unit such as research methods or otherwise included in a course/workshop/programme that is compulsory to all - such as the Communication and Academic Skills Programme that is offered at UM.

Doctoral students

With PhD students, there should be a module dedicated to data organisation. This would address the following:

- How to plan one's research (from conception to completion)
- How to manage data according to university policies
- What's in it for me? (What benefits would I reap out of properly organising my data?)
- What's in it for society? How would I be contributing in this sense?
- Embargoes and non-disclosure agreements

The benefits of data sharing could be subject-specific, so again we would need the subject-experts (academics) to be on our side. Different digital literacy skills will need to be catered for. Whilst it might be standard practise for students from a Computing science or Statistics background to use open source software and to write an algorithm and share it in the Appendix of a dissertation, or in the supplementary material of a paper or by using a github link, this concept might be relatively new for students coming from different areas of study. These ideas might also be new to more seasoned researchers.

Every area should have strict guidelines (ideally organised in 3 steps) conveying the idea that this is how science works. It is not a matter of whether a researcher agrees or not with open data, but the way we pass on the message should be:

- This is how it's done
- This is what is expected of you (students)
- This is how you should organise your data
- This is how you should present and share your data

The idea should be conveyed by discussing 3 aspects of data sharing:

- Benefits (why should data be organised, why should it be shared)
- Setbacks (and how these can be mitigated)
- Fears and Challenges (and how these can be overcome).

'Train the Lecturer' programme

OSAs should start by giving lectures to students, then choose someone from the faculty to build upon what they started - a 'Train the Lecturer' programme.

Encouraging students and academics to publish their work in open access journals

Whilst acknowledging that publishing in open access journals can be very expensive, it is important to commend and encourage similar initiatives such as the ST-OPEN journal, which is an open-access interdisciplinary and multidisciplinary e-journal published by the University of Split: <http://st-open.unist.hr/index.php/st-open> using a diamond model of open access. It is available to students and lecturers from the University of Split, as well as other universities in Croatia and around the world and there are no charges to publish or to subscribe. All content is freely available without charge to the user or their institution. Articles are peer-reviewed and the journal requires the submission of datasets to support research publications.

Open Science and the General Public

Open Science among the general public can be marketed through private and environmental entities, and also through the notion of citizen science, which may be more appealing to the general public.

The use of citizen science can also be popularised amongst researchers of the different universities through the initiatives taken by the respective OSAs. The use of more citizen science can help to bring research and science even closer to the general public. This is especially important for universities that are government funded, such as the University of Malta.

Marketing tools and social media

Marketing using Mastodon social (a free and open-source software for running self-hosted social networking services) was recommended. However, the social media platform employed should reflect community practices. Mastodon is not used by all member countries, thus reachability could be an issue. In countries other than Germany, social media networking platforms such as Facebook, Instagram and Twitter might have more impact amongst the community as a whole.

To sum up - These are the proposed activities:

1. Lecture about data management through CASP or a similar programme.
2. Include data literacy and digital literacy programme in the first year of studies, if required.
3. Promote the idea of publishing academic papers in ST Open and encourage the setting up of similar journals by other universities.
4. 'Train the lecturer' programme.
5. Sharing of open science ideas through community events such as Science in the City (Can ReSEArch-EU provide freebies?) - the use of games and interactive activities can help to attract more people to a stand
6. Gamification: Escape room / board games/something interactive
7. Have a contact point in each university: FAQs, Info points, Chatbot that directs the user to the correct person which can provide the needed information.



reSEARCH-EU

WP 5: Open Science Ambassadors

Record of Training Activities

UNIVERSITY OF CADIZ



reSEArch-EU



UBO

CI&IU



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

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
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	<p>Science shop</p> <p>The Science Shop was created for the local citizens to express their considerations about the problems that they encounter daily. These complaints will be analysed and used at the university of Cadiz to create new lines of investigation.</p>	29.09.23	Science shop for citizens	Citizens	187 persons	M. Laura Martín Díaz Beatriz Díaz Garduño Mariia Iamkovaia
2	<p>Community word cloud of science</p> <p>This activity was programmed with the software Mentimeter (https://www.mentimeter.com/es-ES). Participants were asked to respond to the question: What association do you have with the word science/research? Then their answers were displayed on the large screen in the anonymous form.</p>	29.09.23	Community word cloud of science	Citizens	208 persons	M. Laura Martín Díaz Beatriz Díaz Garduño Mariia Iamkovaia
3	<p>Exhibition and explanation of the posters of the informative project</p> <p>Posters were designed with the values, mission, and tools elaborated in the projects reSEArch-EU and SEA-EU. The participants could learn about all the work done, designed platforms, and educational courses with a focus on the mission of the SEA-EU Alliance.</p>	29.09.23	Dissemination of projects objectives and results	Citizen	Around 9000	M. Laura Martín Díaz Beatriz Díaz Garduño Mariia Iamkovaia



reSEArch-EU



UBO

CIATU



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

ACTIVITY 1. Science shop for citizens

Date: September 29, 2023

Location: The square of Arenal in Jerez de la Frontera

Event: European Night of Investigators: <https://www.uca.es/noticia/la-noche-europea-de-ls-investigadores-esta-tarde-en-la-plaza-del-arenal-de-jerez/>

Attendees: citizens, students, researchers, and organizers.

Presenters: M. Laura Martín Díaz, Beatriz Díaz Garduño, and Mariia Iamkovaia

Description:

The concept of a "Science Shop" resonates with a community-engaged approach to research and problem-solving. Science Shops are initiatives that promote partnerships between universities or research institutes and the local community. The primary goal is to address the difficulties and concerns that local communities face by harnessing the expertise and resources available at academic institutions.

An activity in the science shop usually goes:

- *Citizen input:* Residents voice their worries, complaints, or inquiries to the science shop. These issues can vary from environmental concerns to social and health concerns, and they are frequently anchored in community members' daily experiences.
- *Analysis and research:* After the science shop, the organizers examine the concerns of citizens and identify potential research questions. They may collaborate with university specialists or researchers to explore these issues more deeply.
- *Collaboration with scientists:* Research is conducted in collaboration with the community and academic investigators to explore issues that have been recognized. There are many ways that this study can be conducted, including surveys, experiments, data analysis, and relevant approaches.
- *Knowledge exchange:* The study findings should be made available to the public through reports, workshops, and public presentations. This gives local citizens significant knowledge and understanding of the problems they raised.
- *Policy actions:* The findings can be utilized to guide policy decisions, lobby for change, or launch community-led initiatives to address the issues.

In this case, the University of Cadiz acts as a partner in the process, giving academic skills and resources to help the community discover solutions to their daily issues. This strategy establishes a mutually beneficial partnership between the institution and local communities by allowing relevant research while addressing real-world community challenges.



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Overall, Science Shops are important in bridging the gap between academics and the community, encouraging citizen participation in research, and tackling local challenges through scientific exploration and collaboration.

The results:

Table with the most frequently indentificate problems by the citizens

Sector	Topics of citizen's concerns:
Environment	<ul style="list-style-type: none"> • Recycling/ Waste generation/ Reduction (15) • Climate Change (9) • Garbage on beaches and in oceans/ Marine debris (12) • Global warming/ Rise in temperature/ Heat (7) • Drought (7) • Nature (4) • Renewable energy (4) • Tsunami risk, action protocols, misinformation (4) • Plants (3) • Pollution by plastics/microplastics (3) • Air pollution from vehicles or other gases (3) • Pollution from companies located inside natural parks (3) • Increase drinking water (2) • Sea level rise (2) • Pollution of natural environments (2)
Food	<ul style="list-style-type: none"> • A lot of fruit and other foods are thrown away because they are not "pretty"/ Food Waste (2) • Hunger in the world (2)
Medicine	<ul style="list-style-type: none"> • Cancer (5) • Cure of serious diseases (5) • Disease (2) • Alzheimer's disease (2)
Archaeology	Antiques
Architecture	Improving homes to face the climate change
Geography	<ul style="list-style-type: none"> • Lack of green spaces with shade// Felling of trees (8) • Improve public transport (7) • Depopulation of Jerez/central areas (3) • Invasion of buildings on the coast/ Massification on the coast (2) • Consumerism (2)
Education	<ul style="list-style-type: none"> • Education and loss of values

The complete table can be found by the following link: <https://researcheu.sea-eu.org/european-researcher-nights-uca/>.



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ACTIVITY 2. Community word cloud of science

Date: September 29, 2023

Location: The square of Arenal in Jerez de la Frontera

Event: European Night of Investigators: <https://www.uca.es/noticia/la-noche-europea-de-ls-investigadors-esta-tarde-en-la-plaza-del-arenal-de-jerez/>

Attendees: citizens, students, researchers, and organizers.

Presenters: M. Laura Martín Díaz, Beatriz Díaz Garduño, and Mariia Iamkovaia

Description: This activity was programmed with the software Mentimeter (<https://www.mentimeter.com/es-ES>). Participants were asked to respond to the question: What association do you have with the word science/research? Then, their answers appeared on the large screen in the anonymous form.

These initiatives are organized for audience interaction and polling to obtain their associations and opinions on relevant topics. In this case, the local people were asked to describe their associations/thoughts related to science and research. This type of activity can be utilized in a variety of settings, such as conferences, workshops, or classrooms, to collect and show participants' thoughts and connections with a specific topic, thereby encouraging participation and conversation. It's a good technique to gauge a group's thoughts and perceptions on a certain subject.



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ACTIVITY 3. Dessimination of project objectivs and results

Date: September 29, 2023

Location: The square of Arenal in Jerez de la Frontera

Event: European Night of Investigators: <https://www.uca.es/noticia/la-noche-europea-de-ls-investigadors-esta-tarde-en-la-plaza-del-arenal-de-jerez/>

Attendees: citizens, students, researchers, and organizers.

Presenters: M. Laura Martín Díaz, Beatriz Díaz Garduño, and Mariia Iamkovaia

Description: Posters were designed to demonstrate the values, missions, and work done in the projects reSEArch-EU of the SEA-EU alliance. Thus, the participants could get to know about the activities accomplished, get involved in the educational seminars and workshops performed, and become familiar with the platform and policies developed in the framework of the reSEArch-EU alliance.

The design of posters to highlight the principles, missions, and work of projects reSEArch-EU may be a powerful approach to enlighten and engage participants. Whereas, the goal is to hold participants' interest and provide them with a complete understanding of the projects and their offerings.





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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

Name & Surname	Email Address	Position	Department
Katarzyna Świerk	katarzyna.swierk@ug.edu.pl	Head of Science Office	Science Office UG
Jakub Idczak	jakub.idczak@ug.edu.pl	Adiunct	Institute of Oceanography UG
Małgorzata Kurkowiak	Malgorzata.kurkowiak@ug.edu.pl	Adiunct, PostDoc	ICCVS, UG
Jacek Pokrzywnicki	jacek.pokrzywnicki@ug.edu.pl	Assistant Professor	Classical Philology Division/Institute of Classical and Slavonic Studies UG
Natasza Kosakowska-Berezecka	natasza.kosakowska-berezecka@ug.edu.pl	Associate Professor	Division of Cross-Cultural and Gender Psychology
Dagmara Wójcik - Fudalewska	dagmara.wojcik-fudalewska@ug.edu.pl	Vce Head of Science Office	Science Office UG



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Kamil Niedziółka	kamil.niedziolka@ug.edu.pl	Adiunct	Institute of Archaeology
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	Title	Brief description	Target dates	Venues	Target audience(s)	Main responsible persons for each event
1	Escape room "Open Access"	The game in frame of International Open Science Week – the puzzles adapted to the open publishing principles.	23 – 26.10.2023	Science Office	Students fro Faculty Languages – two groups/ administrative staff, OSAs	Katarzyna Świerk Dagmara Wójcik – Fudalewska Kamil Niedziółka
2	Schütz - Selected poems from Historia rerum Prussicarum – transcription, translation and photographs	The data set comprises of a transcription from manuscript, English and Polish translation, and photographs of two poems by Kaspar Schütz (1540-1594) - a poet, writer, jurist, and secretary in the townhall of the old Danzig (now Gdańsk).	10.05.2023	on-line access: https://doi.org/10.18150/12E_HKX	students from the University of Gdańsk; historians and scholars researching in the field of Neo-Latin studies	Jacek Pokrzywnicki
3	Pre-schoolers' visit to a biotechnology laboratory UG	Children will see laboratories and equipment for the production of biological preparations, they will be able to see how scientists work and ask questions.	last week of May	Faculty of Biotechnology	20 - Childern from kindergarden "Hula Hop" in Gdansk	Łukasz Rąbalski
4	"How to build Research culture"? - lecture for international students of Faculty of Economy	As a part of Erasmus project - lecture for students from University of Michcigan USA (8) and Erasmus students (12). The students will benefit from experience and perspectives related to research	31.05.2023	Faculty of Economy	students from University of Michigan USA (8) and Erasmus students (12)	Katarzyna Świerk



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		culture - on the basis of HR Excellence in Research programme				
5	Around the Sun and the Moon – workshops on reading old astronomic graphics and treatises from the collection of the Gdansk Library of the Polish Academy of Sciences (in Polish)	Open workshops as part of Pomeranian Night of Scientists (2023 edition)	29.09.2023	Polish Academy of Sciences the Gdańsk Library	Families with school children (up to 50 participants)	Jacek Pokrzywnicki
6	Research Info Day - training for newcomers (academic staff)	Meeting and training at the UG Welcome Centre for newly recruited academics. 4 information sessions on principles of research funding, publishing, open access, research data and scientific profiles in the internal UG Knowledge Base. At the end of the meeting, participants will receive library cards	first week of October	UG Welcome Centre	New academic staff - 52	Katarzyna Świerk and employee of Science Office, Project Office and Library



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7	Open Science at UG - presentation during site visit in Parthenope University in Naples	Study visit to new partner in Sea EU 2.0 project, where the achievements of the alliance will be presented - researcher database, infrastructuredata base and research data policy framework	third week of November	University of Naples	Project office and representatives from Library - 10	Katarzyna Świerk
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ACTIVITY 1

23 – 26.10.2023

Open Access Escape Room at University of Gdansk

The events held in frame of the International Open Access Week at the University of Gdansk this time took the form of a game - Escape Room. The content of the puzzles was adapted to topics related to the Open Science movement and the principles of open publishing. The participants did not have to get out of the room - as it is usually practised in a standard Escape Room, but this time their search led to finding the password that allowed them to publish a scientific article.

The first attempt involved central administration staff, who were the first to test the puzzles and successfully publish an article. The second group of participants were the Open Science Ambassadors who took part in the reSEArch EU project, and finally, two groups of students from the Faculty of Languages took up the challenge. The entire event was prepared and hosted by the staff of the UG Science Office.



Pictures



ACTIVITY 2

Schütz (or Schuetz) – selected poems from *Historia rerum Prussicarum* – transcription, translation, and photographs: the report from a workshop with training component

Introduction

OSA- dr Jacek Pokrzywnicki

The general idea of the recent edition of classes on editorial techniques and textual criticism (workshop for the students of the fifth semester, BA in Classics) was to combine the usual form of practical activities with the training session on selected aspects of scientific communication. It seemed important to create connection between the knowledge of philological procedures and a practical understanding on how to spread the very first results of a textual-oriented philological research by creating a digital research data set. The classes started at the beginning of the fall semester and the students completed the planned work by the end of February 2023. However, due to technical reasons it was impossible to publish the data set before the 10th of May 2023.

Agenda

Introductory remarks and the scope of the classes on editorial techniques and textual criticism: creating research data set based on the text from a small-scale edition of early-modern Latin poems (the edition should be prepared during the classes).

Stage I

- Selection of the material (poems from a Latin version of 'Historia rerum Prussicarum' by Caspar Schuetz); searching for the information on the author and his literary work; selection of the poems that would be a suitable base for editorial procedures during classes.
- Discussion on the best practices in presentation of research data (interoperability, readability, accessibility; FAIR DATA principles; UG policy on research data management).
- Short talk about the research data repositories (which one of them would be the best in case of the project).

Stage II

- Creating the list of tasks to do during the classes.
 - Transcription from the Schuetz's authorial manuscript.
 - Modernisation of orthography and punctuation of the transcribed text.
 - Collation of the transcribed text with the 18th-century edition by Gottfried Lengnich, a local jurist and historian.
 - Translation into Polish and English of the selected poems by C. Schuetz.
 - Reassessment of the visual material (quality check of the photographs taken during the visit in a local Archive).

- Verification of the type of licence under which the visual files can be a part of a data set (checking the law status of the photographs taken from the manuscript stored at the State Archives in Gdansk).
- Preparation of the files in the formats selected for the data set.
- Writing an introductory note for the data set.
- Uploading the digital content to the cloud of the chosen repository.

Outcomes

Students had an opportunity to work together in a digital environment (i.e., in a digital cloud) so that they could learn the pros and cons of cooperation in terms of philological research which is, at least partially, digitally oriented.

For some individuals from the group the workshop was a very first occasion when they could know better the idea of multistage scientific communication (even for many scholars from the philological field of research, not to mention students, the idea of sharing information in a different way than by a book or scholarly paper sounds rather surprising).

Pictures



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Rep00
Repository for Open Data

Search - About repository - Support - English - Sign Up - Log In

Schütz - Selected poems from Historia rerum Prussicarum – transcription, translation and photographs version 1.0

Pokrzywicki, Jarek; Czapłotta, Alicja; Gerdtka, Karolina; Kaczkowska, Katarzyna; Matuseczek, Honorata; Musiał, Brygida, 2023, "Schütz - Selected poems from Historia rerum Prussicarum – transcription, translation and photographs". <https://doi.org/10.18190/DEHK.01.Rep00.V1> Learn about Data Citation Standards

Description

The presented data set comprises of a transcription from manuscript, English and Polish translation, and photographs of two poems by Kaspar Schütz (1540-1594) who was a poet, writer, jurist, and secretary in the townhall of the old Danzig (now Gdańsk) in the second half of the 16th century.

The poems were probably meant as a literary treatise, an elegant practical elaboration of somewhat fictional ancient account on the early history of the later-to-be Royal Prussia region. The account itself is a part of an unfinished historical work named *Reum Prussicarum historia* (A history of Prussia by the Baltic Sea). Kaspar Schütz intended to widen the circle of target readers by writing simultaneously both in German, and in Latin. However, the result of this multilingual project might not have been entirely satisfying for the author: K. Schütz completed only the German part of the literary endeavor (the first edition in 1592; the second one as posthumous in 1596, fifteen books). The unfinished Latin version (eight books in total), probably because of the death of the writer, was revised and printed over one hundred years later (Danzig 1766, T.J. Schreyber) by an erminent historian and scholar from old Danzig, Gerthold Lengnich (1685-1774).

Promotion

Social Media (FB/IG) of the project: a brief note and photograph of the students involved in the project (see above).

Following the guidelines for Open Science Ambassadors in the ReSEArch-EU project Dr Jacek Pokrzywnicki (UG, Classical Philology Division) in collaboration with five students, who are about to complete their degree in Classics, has created an open research data set comprising some poems by a local neo-Latin poet Caspar Schütz (b. 1540-d. 1594). The team of students has started their works on the poetry of Caspar Schütz or Schuetz during the classes in textual criticism and editorial techniques. The main goal was to complete a small-scale edition of some poetic fragments from the first part of Schütz's unfinished Latin history of old Prussia by the Baltic Sea. Finally, the photographs, transcription, and translation of the poems into Polish, as a part of the editorial project, have been included in the data set.

The data set, published on the 10th of May of 2023, is now available at the repository for open data **RepOD** (for more click the link: <https://doi.org/10.18150/I2EHKX>).

ACTIVITY 5

Title - Around the Sun and the Moon - workshops on reading old astronomic graphics and treatises from the collection of the Gdansk Library of the Polish Academy of Sciences

OSA- dr Jacek Pokrzywnicki

University of Gdańsk, Poland

Workshop in reading old latin manuscript

Introduction

When thinking about a recent activity for the programme of the recent edition of the Pomeranian Researchers Night (2023) I produced an idea of workshops in reading old Latin manuscripts and prints that would be suitable for public. Together with the staff of the Gdańsk Library of the Polish Academy of Sciences we established a team whose goal was to create a scenario of the event that we named "Around the Sun and the Moon" with a subtitle "workshops on reading old astronomic graphics and treatises from the collection of the Gdansk Library of the Polish Academy of Sciences".

We wanted to give to the audience, regardless the age, both entertaining and immersive experience that would be somehow like the one of any scholars with focus on the old manuscripts and early printed books. Also, it was our goal to draw the interest of people to the procedures typical for any historian and made people more aware of the skills important to anyone interested in the written documents of the past.

About 11 days before the event, we started public campaign in social media (FB, IG).

This was a part of a bigger event created by the Consortium of the 'Fahrenheit's



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Universities' and other institutions from the area of Tricity (Hewelianum, Centrum Nauki Experyment/'Experyment' Science Centre, PAN Biblioteka Gdańska/Gdańsk Library of the Polish Academy of Sciences) with financial support of the Polish Ministry of Education and Science. A website of the Pomeranian Researchers Night (<https://pomorskanocnaukowcow.eu/>) was established as the main platform with the agenda of the Night and the possibility of registration for any individuals interested in participation to any event planned during the event, our workshop included. Below - photos and screenshots (both promotional banners, the website of the Researchers night and the advertisement of the workshops from the website).

Agenda

Part 1 (ground floor)

introduction to the general topic of the workshop (great figures of the scientific revolution of the early modern era: Copernicus, Brahe, Kepler, Hevelius); the staff of the Gdańsk Library (Polish Academy of Sciences) conducted this part of the event.

Part 2 (special collections reading room)

1. presentation of selected early printed books (among others, the second edition 'De revolutionibus orbium coelestium' by Nicolaus Copernicus and 'Theatrum cometicum' by the seventeenth century Socinian scholar and historian Stanislaus Lubieniecki) with important handwritten annotations.
2. quiz on finding the names cited by S. Lubieniecki in his own handwritten dedication to the Magistrate of the old Gdańsk.
3. reading of the two handwritten texts from the 16th and 17th century
 - a. short poem of Bartholomaeus Keckermann on a significant Copernicus' contribution to the science
 - b. dedication from the 'Theatrum cometicum' written with the hand of the author, i.e., S. Lubieniecki himself, for the Magistrate of old Gdańsk.
4. brief Q&A session at the end of the workshop.

Outcome

The audience of the workshops participated in reading of prints and handwritten scripts from the past; thus, we created an opportunity to show to the public instruments and techniques used by professionals (historians and philologists) who acquire information from the documents of the past.

Target date: 29.09.2023

Pictures



General introduction to the topic of the workshop (ground floor)



Quiz time (special collections reading room)

Promotional material

The screenshot shows a promotional page for an event titled "Wokół Słońca i Księżycy - warsztaty w czytaniu rycin i tekstów astronomicznych ze zbiorów dawnych gdańszczyzan (kolekcja PAN Biblioteki Gdańskiej)". The page is in Polish and includes the following information:

- Event Title:** Wokół Słońca i Księżycy - warsztaty w czytaniu rycin i tekstów astronomicznych ze zbiorów dawnych gdańszczyzan (kolekcja PAN Biblioteki Gdańskiej)
- Location:** Wałowa 15, Gdańsk (PAN Biblioteka Gdańska, gmach historyczny), sale: Czytelnia Zbiorów Historycznych (dorośli), Czytelnia Zbiorów XIX wieku (dzieci)
- Time:** 17:00 - 17:45 and 18:00 - 18:45
- Capacity:** 3/25
- Admission:** Darmowe wejście
- Organizers:** dr Jacek Pokrzywnicki (UG); mgr Beata Gryzka (PAN BG); dr Maria Michałska (PAN BG); lic. Ewa Matczuk (UG, PAN BG); Cyryl Potulski (UG, Koło Naukowe Studentów Filologii Klasycznej)
- Event Type:** Rodzaj wydarzenia: Warsztat
- Age Group:** Grupa wiekowa: Dzieci, Młodzież, Dorośli

The page also features a "Zapisz się" (Sign up) button and a note that only 20 spots are available. At the bottom, there is a copyright notice: "Wszelkie prawa zastrzeżone © POMORSKA NOC NAUKOWCÓW 2023 - realizacja web24".

The website of the Pomeranian Researchers Night (registration tab for the event Around the Sun and the Moon)



GIF with the initial phrase of the title 'Around the Sun and the Moon' (pol.: Wokół Słońca i Księżycyca) – at the website of the Gdańsk Library (Polish Academy of Sciences)

An announcement of the workshops (from the registration tab at the website of the Pomeranian Researchers Night '23) – below

Are you interested in history? Do you, par chance, browse second-hand bookshops, or just like unusual books? The Gdańsk Library (Polish Academy of Sciences) and the Department of Classical Philology of the University of Gdańsk would like to invite you to a joint interactive exploration of old astronomical engravings, prints and manuscripts, entitled "Around the Sun and the Moon - the workshops in reading astronomical engravings and texts from the collections of old Gdańsk residents".

During the sessions, you would learn interesting facts from the history of astronomy and try your hand at reading fragments of old books, engravings, and manuscripts. We welcome everyone over 7 years of age - no upper age limit. For children, we are planning an art competition combined with learning selected astronomical terms.

The event titled "Around the Sun and the Moon - a workshop on reading engravings and astronomical texts from the collections of former inhabitants of Gdańsk (collection of the Polish Academy of Sciences Library in Gdańsk)" is a joint popularization project of the Department of Classical Philology (Institute of Classical Studies and Slavic Studies, Faculty of Philology of the University of Gdańsk) and the Department of Special Collections (Library of Gdańsk of the Polish Academy of Sciences). During the event, we plan to jointly (parents and children) read and explain engravings and fragments of works by outstanding astronomers of the early modern era, especially Nicolaus Copernicus and Johannes Hevelius. At several separate stations in the rooms of the Polish



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Academy of Sciences Library in Gdańsk, you will be able to try your hand at deciphering illustrations from astronomical works or even reading (with the help of translation) original fragments - handwritten or printed - from old works on astronomy that are stored in the collection of historical collections of the Gdańsk Library (Polish Academy of Sciences).

ACTIVITY 6

Research Info Day

OSA- dr Katarzyna Świerk with collaboration of Science Office and Library UG

On 10th of October, the UG Welcome Center hosted newly employed academic teachers who started their adventure with science at the University of Gdańsk in the new academic year 2023/2024. The meeting under the slogan "Science – Info Day" was held for the first time on the initiative of the Science Office Director, Katarzyna Świerk, PhD, who on behalf of the rector's authorities, welcomed the newly hired employees to the academic community of the University of Gdańsk. The aim of the meeting was primarily to present the organizational units that support scientific research at our university, which will significantly facilitate the first steps in carrying out scientific research. "Scientific development is not possible without the individual commitment of researchers, and we are here to support you on this path", assured the Science Office Director.

During the Info Day representatives of the Science Office, the Project Support and Preparation Office – Project Incubator and the Project Implementation Support Office provided the most important information useful in scientific and research work. It was a chance to meet members of the team supporting research and development activities and establish first contacts. Meeting participants also had the opportunity to listen to presentations by employees of the University of Gdańsk Library, which included the most important functionalities of the UG repository and research data management issues.

Agenda

9.30 – 9.45 – opening of the meeting/welcome by the Science Office Director and the Vice-Rector for Research

9.45 – 10.30 - presentations of units responsible for supporting scientific research

10.30 – 10.45 – rules of academic mobility

10.30 – 10.45 – Presentations of the University of Gdańsk Library – internal Knowledge Base and Repository

10.45 – 11.00 – **Research Data – support in the creation of a Data Management Plan**

11.00 – 11.30 – short walk around the Library

11.30 – 12.00 – issuance of library cards, discussion (networking)

Pictures





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ACTIVITY 7

Open Science at UG – site visit in Naples

OSA- dr Katarzyna Świerk

Time – 16.10 – 19.10.2023

Place – University in Naples Parthenope

Participants – Head of Science and Project Office, Rector's delegates, representatives of Library and researchers involved in project

The joint activities of the Open Science Ambassadors within the 6 universities affiliated to the SeaEU coalition include disseminating open access principles, building a common openness policy and sharing experiences. New partners have also joined the SeaEU coalition, including the University of Naples Parthenope. The purpose of the site visit was to present existing Open Science solutions and activities. The meetings were attended by representatives of the Project Office, the Office of Science and Internationalization and people (Rector delegates) responsible for depositing materials in the repository and disseminating research results. As one of the elements of the meetings was a discussion of the principles and use of two common databases - Research Potential and Infrastructure. Participants discussed the principles for creating research plans and reporting at institutional and national levels in Poland and Italy. It is important to note that both systems are similar and use similar operational arrangements - the national reporting system. It is encouraging that there is a growing awareness of open publishing among researchers. However, there is also great concern about unethical publishing practices and the growing market for predatory publishing. The fruitful discussion confirmed the fact that there is an ongoing need to remind ourselves of the basics of open science, which we will continue to do together with our new partners.

Agenda

16.10.2023

Campus tour/ welcome lunch

17.10.2023

Working meetings and presentations at University – Science and Internationalization Office/ SeaEU project office

Open Science Policy at University of Gdansk – steps of implementation – Katarzyna Świerk

Rules and practices - Open Science UNP - Paola Di Donato

Presentation of Knowledge Base UG – internal repository – Katarzyna Świerk

Presentation of IRIS – open repository used by all Italian public universities – Paola di Donato

Q&A

18.10.2023

Working meeting with prof. Pasquale Falcone – University – business department

19.10.2023

Working meeting with Gabriele Sampagnaro, SEA-EU Rector's delegate

Pictures





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WP 5: Open Science Ambassadors

Record of Outreach Activities



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

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 Presentations in Laboratories	6.06.2023	Open Science Presentations in Laboratories	Members of the laboratory	50	Gemma Davies – ORDO Tanguy Haute
2	DECODE – Science is Open – Serious Game	September 2023	DECODE – Science is Open – Serious Game	All public	3 750	Gemma Davies – ORDO Tanguy Haute Enora Leproust – Head of Scientific Communication Liana Hermakova
3	Participation in the European Researchers’ Night	30.09.2023	Participation in the European Researchers’ Night	All public	3 750	Gemma Davies – ORDO Tanguy Haute Enora Leproust – Head of Scientific Communication
4	Second Information Session On Open Science	19.10.2023	Second Information Session On Open Science	University community	15	Lisa Malguy – OS Mentor Tanguy Haute Edna Hernandez Roland Gauthier Gemma Davies - ORDO
5	Open Data Survey	Ongoing	Open Data Survey	Laboratories	Ongoing	Gemma Davies - ORDO



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Report on Open Science initiatives UBO

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ACTIVITY 1

Open Science Presentations in Laboratories

On the 6th of June, ORDO Gemma Davies gave an introductory session on Open Science to the Genetics, functional genomics and biotechnology lab, during their monthly team meeting. Approximately 50 people were present, including master trainees, doctoral students, post-doctoral students, technical support staff, researchers and teacher-researchers.

The purpose of the event was to introduce the key principles of OS and formally introduce a member of the laboratory, Tanguy Haute, as OSA.

The presentation addressed the following topics: Open access, Signature of publications, Open data, the Legal framework, Data dissemination and Resources.

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

Contact Information :

Gemma Davies, ORDO for UBO : gemma.davies@univ-brest.fr,

Tanguy Haute : tanguy.haute@univ-brest.fr





Ressources

Services UBO

- Ateliers sur le plan gestion de données « cradle-to-grave »
- Un toolkit en préparation sous ReSEArch EU
- UBO Cloud (stockage <50GB)
- CERNI – comité d'éthique non interventionnelle
- Service Commun de la Documentation (BU)

Services Nationaux

- DMP Opidor
- DoRANum (Inist)
- OSMOSE

ACTIVITY 2

DECODE – Science is Open – Serious Game

DECODE is a serious game developed by UBO aiming at introducing the key concepts of Open Science to the general public, students and researchers. Participants will learn about the key principles of Open Science. They will learn to identify reliable funders, why it is important for sources to be indicated and accessible, and discover what to look for in an article to know if it is in accord with Open Science principles.

The scenario of the game is based on the escape game style : The year is 2123, and the human population has been locked out of history's entire research data and scientific results by S.A.I.N.T (System of Analysis and Intelligent Neuronal Technology), an artificial intelligence with ill-intentions which has escaped humanity's control. S.A.I.N.T's creator, a researcher, and the only one who knows how to take back control of the A.I, has gone missing.

The game takes place in said researcher's office, and participants play the role of the best code-breaking, puzzle solving expert in the country. They will get to interpret clues, decipher puzzles and solve the mystery which will lead to the code to unlock research.

UBO has rendered the game public and free to use by all. The package available for print :

- Game guidelines
- The trial questions, grids and puzzles
- Fake newspaper articles
- Fake scientific articles

Technaria News 12 March 2123

MYSTERY DISAPPEARANCE D'UNE ÉMINENTE SCIENTIFIQUE

Scientific community in turmoil : Dr. ██████ remains unaccounted for

Technaria, 12 march 2123 - The scientific community is in turmoil as brilliant neurology researcher Dr. ██████ has mysteriously disappeared. The disappearance was reported by her colleagues and family last week, and since then the authorities have been conducting an intensive investigation in an attempt to find her. Dr. ██████ was known for her outstanding contributions to the understanding of the human brain. Her groundbreaking research in the field of neurology had earned her numerous awards and she was reported that she was preoccupied on the

LOADING

Breakthroughs in space biology

Impact of the Disappearance of Space Mousefish on the Boredom of Space Catfish: A Spatio-Tempo-Aquaculture Study

R. E. Searcher; M. High; G.Daffen; E. Proust*

ABSTRACT

The sudden disappearance of the Space-Mousefish population has had profound and unexpected repercussions on the well-being of the population, leading to widespread malaise among its members. This study identifies the key players in the Space Catfish population, surveys and analysis of demographic boredom suffered by Space Catfish since the disappearance of the Space-Mousefish, highlighting the need to understand the implications for public policy, highlighting the need to understand the issue and to develop supportive approaches tailored to this particular situation.

Acknowledgments

We would like to thank all those who contributed to this study. We would like to extend our sincere thanks to our funders, the Space Catfish Association, whose generous support made this research possible. Finally, we would like to thank the readers of this article for their interest and commitment to understanding the challenges facing Space Catfish. We hope this research will help inform future discussions and guide efforts to improve their welfare.

What is a hybrid scientific journal?

A. A magazine that runs on hydrogen and nuclear energy

B. A journal that charges for subscriptions and open-access articles

graphs to the distribution of the population

Year	Population (Billions)	Research Funding (Billions)
2000	6.0	10
2010	7.0	20
2020	8.0	40
2030	9.0	80
2040	10.0	150

ACTIVITY 3

Participation in the European Researchers' Night

Date: 29, september 2023

Location: Brest

Overview of the event :

“A MAJOR EVENT FOR DISSEMINATING SCIENTIFIC CULTURE

The European Researchers' Night is an invitation to spend an evening talking to researchers from all walks of life in hundreds of towns and cities across Europe, including 16 in France. Always quirky, unusual and unexpected, the event provides an opportunity to meet scientists in a festive atmosphere, through a variety of innovative activities.



It's a unique opportunity to talk about science in a fun way!

Océanopolis HOSTS THE EUROPEAN NIGHT OF RESEARCHERS IN THE BRITTANY REGION

Océanopolis has been coordinating the European Researchers' Night for 18 years. The city of Brest is the Breton representative for the event, and each edition is a resounding success! The evening has become a not-to-be-missed event for young and old alike.

One of the highlights of the evening is the importance attached to the theme.

One of the original features of this unusual evening in Brest is that all participants, researchers and members of the public alike, are invited to dress in the theme of the event.

To keep track of the whole event and the researchers' stations, a booklet is available to follow the red thread and win lots of prizes at the end of the evening!

Last but not least, the evening will be enlivened by a host of innovative activities, including meetings with researchers, demonstrations, experiments and observations...

It's a unique opportunity to discover the world of research and the human beings behind the lab coat. Coming from a wide range of disciplines (astronomy, biology, computing, etc.), the evening is an opportunity to meet and talk to the researchers.¹



The UBO held a stand on Open Science, involving two Open Science Ambassadors, the Head of Scientific Communication and the Manager of reSEArch-EU. They introduced the DECODE serious game create specially within the SEA-EU framework and invited the audience to solve its puzzles while learning about Open Science.



A second stand was dedicated to a research topic involving participatory science and humour, funded by SEA-EU as part of UBO's SEA-EU Search fund, called Joker.

The Target Audience was the general public of the Brest-area and over 3750 people participated in this year's edition.

For more information : drive.sea-eu@univ-brest.fr

¹ <https://www.oceanopolis.com/connaitre-nos-missions/culture-scientifique/nuit-europeenne-des-chercheur-e-s/>

ACTIVITY 4

Second Information Session On Open Science

On 19th October, during lunch break, in one of the faculties.

Were present ORDOS, 3 OSAs and 15 participants.

The presentation focused on a definition of Open Science and presentations by OSAs of how Open Science is integrated to their research : Citizen and participatory research, Open Science and sensitive research, Open Science and Health Related data, followed by a presentation of available tools, resources and contact points at a university and national level.

Définition

La Science Ouverte concerne principalement :

- Le libre accès aux publications scientifiques
- La gestion et le partage des données de la recherche (et des logiciels)
- Les sciences participatives

Définition de la Science ouverte par l'Unesco

"La science ouverte établit un nouveau paradigme qui intègre dans l'entreprise scientifique des pratiques de reproductibilité, de transparence, de partage et de collaboration résultant de l'ouverture accrue des contenus, des outils et des processus scientifiques."

https://unesdoc.unesco.org/ark:/48223/q10000379949_fre

Avantages / Inconvénients Utilisateur vs Créateur

Avantages	Inconvénients / Défis / Verrous
<p>Créateur</p> <ul style="list-style-type: none"> Disposer de données expérimentales sans équipements spécifiques Accéder aux outils de la recherche, des outils de simulation / traitement, des bases de données Faciliter les échanges de données et d'informations des étudiants Permettre des études comparatives sur des données de référence centralisées et partagées <p>Créateur des données ouvertes</p> <ul style="list-style-type: none"> Citation des travaux et de la base de données ouverte (x) (réutilisables) Aggravation potentielle de l'acceptabilité d'une demande de financement. 	<ul style="list-style-type: none"> Respect des conditions spécifiques à l'utilisation de la licence choisie Créer des systèmes d'acquisition Chercher Travail supplémentaire nécessaire pour la normalisation et dépôt des méta-données Risques de ne être dévaloriser par la concurrence Être supplémentaires nécessaires Empêcher les données sensibles ou les parties de données liées / données De plus en plus difficile par les financeurs institutionnels

Des ressources au sein de l'UBO

Des adresses

bu.app@univ-brest.fr
archive@univ-brest.fr
donnees_recherche@univ-brest.fr
open@univ-brest.fr
reseau-integratif-scientifique@univ-brest.fr

Des pages où trouver des informations

<http://univ-brest.fr/science/ouverture-et-innovation/>
<https://www.univ-brest.fr/donnees/metadata/UBO/la-science-ouverte>
<https://aub.univ-brest.fr/recherche/ceim/>

Outil décisionnel de diffusion des données : <https://sondage.univ-brest.fr/limesurvev/index.php/survev/index/sid/887695/newtest/V/lane/fr>

Sciences Participatives



Edna Hernandez Gonzalez
Laboratoire de Géographie, UBO

Contacts

Les ambassadeurs

- Informatique, Math appliquées, Matériaux, Radiofréquences-Télécom** – Roland Gautier roland.gautier@univ-brest.fr, **Edna Hernandez** edna.hernandez@univ-brest.fr
- Santé** – Tanguy Haute tanguy.haute@univ-brest.fr, Sofian Berrouiguiet sofian.berrouiguiet@univ-brest.fr
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Références Science Ouverte à l'UBO

- Gemma Davies (DRIVE) gemma.davies@univ-brest.fr
- Lisa Malguy (SCD) lisa.malguy@univ-brest.fr

Data Protection Officer : dpo@univ-brest.fr



Contact details for any follow-up questions or inquiries :

Gemma Davies, ORDO for UBO : gemma.davies@univ-brest.fr

Lisa Malguy, Open Science mentor : lisa.malguy@univ-brest.fr

- Tanguy Haute, OSA for UBO : tanguy.haute@univ-brest.fr
- Edna Hernandez, OSA for UBO : edna.hernandez@univ-brest.fr



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ACTIVITY 5

Open Data Survey

Open data is still an aspect of open science that is more or less integrated in researchers work, depending on the discipline and the culture of the group of researchers.

In order to help researchers at a central level, in our multi-disciplinary institution, we need to know what the different practices are within the collaborative teams. As a progression from an internal report that was carried out in 2021, which concluded that research units were very heterogeneous concerning researchers' implication in open data and a survey is necessary in order to understand practices. Understanding practices is necessary in order to ascertain:

where data is stored

where help is needed (resources used by researchers)

sharing data management techniques (bearing in mind this is constantly evolving)

Where data is stored is important for main reasons. So that it can be valued by the institution via for example evaluation reports (such is the case for French institutions HCERES) and increasing visibility for the institution, but also to help create a better inter-disciplinary research dynamic.

Where help is need. Some researchers may not be aware of resources available to them. At the University of Brest, there are two staff members who form a collaborative duo for open science: one staff member who is a documentarist and works at the university's library, and the other is a project engineer working in the research department. This duo has a great advantage because the project engineer has a good understanding of the funding that is available to researchers and therefore can help with obtaining necessary funding. The documentarist, on the other hand has a good knowledge of the different depositories and archiving techniques. Also, some researchers many not be aware of the legal aspects surrounding the data they use.

Sharing data management techniques. As some disciplines are at the forefront of open data, some techniques can be translated to different disciplines.

The survey was launched on the 14th November and will be open for one month.

Information about the survey and the link to a lime survey was added to the Research departments newsletter and any research units that do not answer will be contacted directly. The goal is to obtain information for each and every unit.

The survey was written by Lisa Malguy an ORDO and librarian, Pauline Chauvet, an engineer recruited by the IUEM (European University Institute for Marine Sciences) which is part of the University of Brest, to create a Data Management Plan for the IUEM structure, Gemma Davies, an ORDO a project engineer is also implicated in the collection of data for the survey.



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(Survey translated from French)

Survey of data from UBO research units: characterization and processing

This short survey, distributed to all research units over 4 weeks, aims to identify what data is produced, processed, used and stored at UBO, and which resource people are likely to be contacted on this subject for further information. in-depth elements.

The objective is to achieve the mapping of digital and physical data (including collections of objects and samples) directly linked to UBO's research activities and results.

This mapping is essential to the policy supported by the establishment. There are 6 questions in this questionnaire.

Which research unit do you belong to?

Please select an answer below

- CECJI
- CEMCA
- CFV
- CRBC
- CREAD
- LP3C
- GETBO
- GGB
- HCTI
- IRDL
- GEOARCHITECTURE
- LABERS
- LAB-LEX
- LAB-STICC
- LATIM
- LBAI
- LEGO
- LIEN
- LMBA
- LUBEM
- OPTIMAG
- SPURBO
- GEIHP
- ORPHY
- AMURE
- LBCM
- LEMAR
- LETG
- GEO OCEAN
- BEEP
- LOPS
- Other :

What types of data do you use and produce?

Check the answer(s)

- Numeric (quantitative data table)
- Physics (samples, tissues, herbaria, etc.)
- Textual (archive, report, book, etc.)
- Audio (interview recording, sound capture, voice recognition, etc.)



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- Visual (interview recording, image capture, AI training, etc.)
- Source code (software production, analysis scripts, web applications, etc.)
- Geographic (GIS format)
- Other :

(Many possible responses)

Where do you store your data during the active phase of your research?

Check the answer(s)

- Professional computer
- Personal computer
- Small individual storage equipment (USB key, hard drive)
- Large individual storage hardware (NAS)
- Laboratory or university server
- University cloud solution (cloud)
- Cloud solution other (cloud)
- Other :

When you use data every day, where do you store it? This can be on your computer, a USB stick, a hard drive, the cloud, a storage infrastructure. Many possible responses.

Are you working on sensitive data? If yes, can you elaborate?

Please select an answer below

- YES
- NO

Please enter your comment here:

Collection of personal data, Secret, etc.

At the end of your research, do you deposit your data (whatever its nature) in a warehouse? If so which one?

For example: Nakala, Software Heritage, Recherche.data.gouv, Zenodo...

Can you recommend a contact(s) to tell us more about the data within your research team/unit?

End of survey



WP 5: Open Science Ambassadors

Record of Outreach Activities

UNIVERSITY OF MALTA



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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 and 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		Dept. 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	SEA-EU lecture on Open Science: theory and practice First Open Science info session organised for the reSEArch-EU OSAs	27 Apr 2022	SEA-EU OSAs General public	17 participants 152 views	Ritienne Gauci Fiona Sammut
2	Interview on Radio Mocha about Open Science and SEA-EU	19 May 2022	General public	8 likes 4 shares	Raelene Church Audrey Zammit
3	EMODnet Ingestion 3 kick-off meeting EMODnet ambassadors were introduced to the SEA-EU Marine Data Literacy Course, and the work being done in reSEArch-EU to promote open science	16-17 Jun 2022	Data professionals	About 50	Audrey Zammit Adam Gauci
4	Open Science at Science in the City / Researchers' Night, Malta 2022 A science festival where presentations were made to the public about Open Science	30 Sep 2022	General public	About 20 for the presentation and 300 at the stand	Raelene Church Audrey Zammit Adam Gauci Ritienne Gauci

5	<p>Open Science at Science in the City, Malta 2023</p> <p>A science festival where a stand with material promoting Citizen Science and Open data were displayed</p>	30 Sept 2023	General public	About 600	Audrey Zammit Adam Gauci
6	<p>Did you know? Campaign on Open Science at Science in the City, Malta 2023</p> <p>OSAs provided some content to the SitC Facebook page</p>	July to Nov 2023	General public	30 interactions on Facebook 760 views on X (former Twitter)	Fiona Sammut Audrey Zammit
7	<p>European Researchers' Night, Malta 2023</p> <p>A presentation about Open Science was presented during Changemakers Spotlight</p>	30 Sept 2023	General public	About 20	Adam Gauci Audrey Zammit



ACTIVITY 1

SEA-EU lecture on Open Science: theory and practice

Introduction

Dr Ritienne Gauci delivered a virtual lecture on open science theory and practice on 27th April 2022. This was the first info session mainly aimed at other Open Science Ambassadors within the SEA-EU Alliance. However, it was open to the public, and hence provided an opportunity to promote the ambitions of the alliance with respect to teaching and spreading open science practices across the research community.

During the lecture, Dr Gauci gave a full overview on the concept of open science itself, since the existence of multiple definitions creates a need for understanding of common principles and objectives. Then, the main schools of open science were introduced and their approaches were compared to obtain a clear vision of the current landscape in theories of open science.

Presentation Highlights

The lecture contributed to develop a common understanding of the many concepts surrounding Open Science, such as Open Access, Open Data and Open Policies. It also gave some insight into the potential of Open Science in the future of Europe, raising awareness of the influence that Open Science policies have at the geopolitical level and the goals pursued by the European institutions to compete with global powerhouses such as the United States or China.

The FAIR principles (findability, accessibility, inter-operability and re-usability) were thoroughly explained, and the main challenges that any open science ambassador faces were identified: namely, the lack of awareness among scientists, the lack of incentives from the institutions and the current research assessment frameworks, which still do not encourage the acquisition of Open Science practices as much as researchers might need.

A special reference was made to the adoption of Open Science practices in Dr Gauci's research field, physical geography, a field in which an authentic digital gaming revolution is taking place, and where vast resources are increasingly being offered directly from scientists to the public. Finally, she pointed out to the fact that Open Science does not operate on its own – on the contrary, it is part of a bigger landscape, and its role makes real sense when it is intertwined with citizen science and educational activities. Dr Gauci closed the event urging participants to ask themselves not only what Open Science might do for them, but what they can do for Open Science.

Engagement and Outreach

The lecture was recorded and can be viewed on the SEA-EU YouTube [channel](#). There is a post about it in the reSEArch-EU website Open Science Activities [page](#), where both the presentation and the video are available. There were 17 people following the info session as it was delivered (Figure 1). The video on YouTube has been viewed 152 times.



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Conclusion

During the presentation, Dr Ritienne Gauci provided a comprehensive introduction to Open Science, highlighting both the successes of this movement and the barriers that hinder its progress. This was the first of a series of info sessions that served to familiarise the Open Science Ambassadors with the concept of research that is transparent and accessible to all.

Pictures

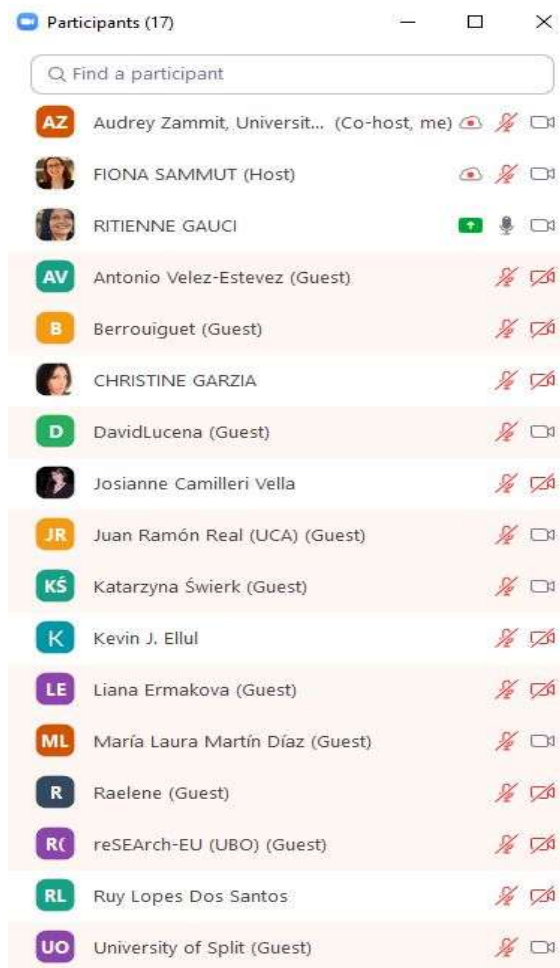


Figure 1: List of attendees to the info session

Promotional material in the annex

- reSEArch-EU OPEN SCIENCE OSAs Training UM.pdf



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ACTIVITY 2

Interview on Radio Mocha about Open Science and SEA-EU

Introduction

Raelene Church and Audrey Zammit were invited for an interview on Radio Mocha Malta. This is a weekly radio show, that aims to bring Science closer to the public. It has 1200 followers on Facebook.

Presentation Highlights

During the interview, Raelene Church and Audrey Zammit, explained the concept of Open Science in layman’s terms. In particular, the aspects of Open Data, Open Repositories and Citizen Science were discussed, with references to concrete projects and structures that the University of Malta is involved in. These include EMODnet, the CALYPSO series of projects, Spot the Jellyfish, the University Open Access and Open Repository infrastructures. The SEA-EU alliance, and the importance that it gives to mobility of students and research were also discussed during the interview.

Engagement and Outreach

The interview was broadcast on the national radio station, Radju Malta, on Thursday, 19th May 2022. A video recording of the programme is still available on the program’s [Facebook page](#). The post has 8 likes and 4 shares.

Conclusion

This interview provided a good platform to create awareness about the SEA-EU and the role of Open Science in modern society.

Pictures

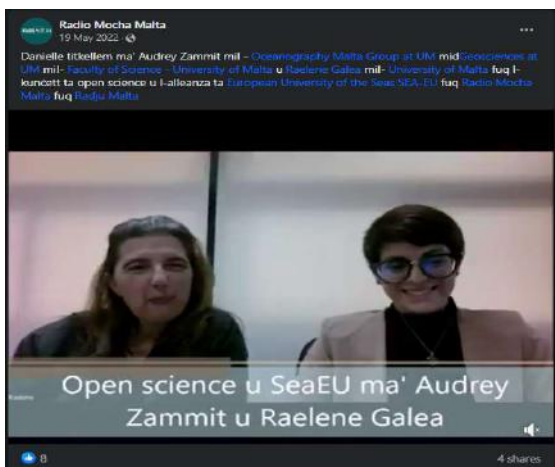


Figure 2: Radio Mocha Facebook post with a recording of the interview



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ACTIVITY 3

EMODnet Ingestion 3 kick-off meeting

Introduction

The University of Malta is a partner in the EMODnet Ingestion project. This project aims to encourage data providers to submit their data to EMODnet, where it can be processed to international standards, and published as open data, thereby contributing to applications for society. The kick off meeting for the third iteration of this project was held in Athens on 16th-17th June 2022, and was attended by Dr. Adam Gauci and Mrs. Audrey Zammit.

Presentation Highlights

During the presentation, Audrey Zammit highlighted the contribution that the University of Malta has made and plans to make towards the EMODnet Ingestion project. Part of the intervention was dedicated to the SEA-EU and reSEArch-EU. In particular, the aims of SEA-EU to establish a common Open Science and Open Research Data Policy within all members of the Alliance were presented to the data centre representatives there.

Engagement and Outreach

The meeting was attended by representatives from 46 organisations hailing from 29 coastal countries. Some of the participants followed the proceedings remotely. An [article](#) about this meeting was published on Newspoint, the official news portal of the University of Malta.

Conclusion

EMODnet Ingestion and reSEArch-EU share the similar objectives in terms of open data. Hence, there was a lot of interest in the activities of reSEArch-EU, especially by those partners who come from the same cities or countries as the SEA-EU member universities.

Pictures



Figure 3: Presenting reSEArch-EU during the EMODnet Ingestion 3 kick-off meeting



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ACTIVITY 4

Open Science at Science in the City / Researchers' Night, Malta 2022

Introduction

On European Researchers' Night, 30th September, 2022, the University of Malta's Open Science Ambassadors (OSAs) took an active role in the Science in the City 2022 festival.

Science in the City is Malta's national science and arts festival which brings together scientists, researchers, artists, and the public to celebrate creativity, innovation, and the power of science. The expected audience of Science in the City is people of all ages and backgrounds, with a particular focus on families and children. The festival is designed to be accessible and engaging for everyone, regardless of their scientific knowledge or interests.

The OSAs put together a set of presentations called "Iftah Berah: Making Research Accessible to All." Translating to "Wide Open", the Maltese catch-phrase "Iftah Berah" was chosen to capture people's attention. Adverse weather conditions, specifically heavy rain, forced us to conclude the activity prematurely, resulting in the cancellation of certain presentations. Despite this setback, we were allocated a space where we showcased the University's institutional repository using roll-ups, distributed information on open science through pamphlets, and shared details about SEA-EU. Additionally, we distributed freebies supplied by the University of Malta Library. Dr Ritienne Gauci effectively presented an engaging session on Open Science, tailored to captivate a wide audience, particularly families and children participating in the festival. Her presentation highlighted the essence of Open Science and its tangible applications in our daily lives.

Dr Adam Gauci was also engaged in a separate stand which exhibited the Citizen Science campaigns coordinated by the Oceanography Malta Research Group at the University of Malta. One of these, the Spot the Jellyfish campaign, has been running for more than 10 years. Originally an IOI-Kids activity, it has now morphed into a popular national campaign.

Presentation Highlights

During the presentation, Dr Ritienne Gauci provided a comprehensive introduction to Open Science, aiming to make this complex topic accessible to the general public. She highlighted several examples of Open Science in everyday life, including widely used tools such as Google Earth, Google Maps, and Google Street Views, which are available to users free of charge. Additionally, she engaged the audience by mentioning video games like GeoGuessr, which leverage open science principles, thereby making learning and exploration enjoyable for people of all ages.

Engagement and Outreach

During the presentation, Dr Ritienne Gauci provided a comprehensive introduction to Open Science, aiming to make this complex topic accessible to the general public. She highlighted several examples of



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Open Science in everyday life, including widely used tools such as Google Earth, Google Maps, and Google Street Views, which are available to users free of charge. Additionally, she engaged the audience by mentioning video games like GeoGuessr, which leverage open science principles, thereby making learning and exploration enjoyable for people of all ages.

Conclusion

Despite the challenges posed by inclement weather, the Open Science Ambassadors successfully delivered an engaging and informative presentation on Open Science during the Science in the City 2022 festival. Through relatable examples and interactive discussions, the OSAs effectively conveyed the significance of Open Science in everyday life, reaching both children and adults. By fostering awareness and understanding about Open Science, the OSAs contributed to the promotion of knowledge sharing and collaboration within the community.

Pictures





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Promotional material in the annex

- Ocean_State_Report_QR.pdf
- European_Atlas_of_the_Seas_QR.pdf
- Teachers_Corner_QR.pdf

ACTIVITY 5

Open Science at Science in the City, Malta 2023

Introduction

[Science in the City](#) is Malta's Science and Arts Festival, organised within the remit of European Researchers' Night. The theme chosen for 2023 is Changemakers. The event included four festivals: the Pre-festival, Street Festival, Performance Festival and Virtual Festival. This year, the Street Festival was held at the Biskuttin Garden and Pjazza Tritoni on 29th and 30th September. Various activities were organised whereby researchers could share the outcome of their work with the public. This was the ideal venue to promote the concept of Open Science, especially since it attracts hundreds of visitors every year.

Description of activity

The Oceanography Malta Research Group (OMRG) had a stand called “Dive in!” in Zone 11, next to the Triton Fountain in Pjazza Tritoni. Part of the stand was dedicated specifically to Open Science. Dr. Adam Gauci and Audrey Zammit engaged with the public to describe the benefits that can be derived from the Open Science paradigm, both for researchers and the public in general. Different aspects of Open Science were tackled:

- **Citizen Science:** OMRG coordinates a number of Citizen Science campaigns, including Spot the Jellyfish and Spot the Alien. The recently launched ANDROMEDA smartphone app was also displayed. This app can be used to collect data about microplastics found on sandy beaches.
- **Open Data:** The stand also included a section about Open Data, using EMODnet (European Marine Observation and Data Network) as an example. This network includes data from ‘traditional’ marine observatories. It also encourages entities collecting data on a one-off basis to upload their data to the network through its Data Ingestion initiative. This data is available to other researchers. The [European Atlas of the Seas](#) has been compiled using this data. This tool consists of a series of predefined maps and map stories which provide information about Europe’s marine environment, covering topics such as nature, tourism, fish consumption and much more. Leaflets with a QR code linking to the Atlas were available to encourage the visitors to go to the link.

The stand was also used to promote other activities held within reSEArch-EU. Leaflets with a link (QR code) to the video capsules prepared by the OSAs during the staff week held in March 2023 in Cadiz were distributed. Furthermore, the upcoming “Bus Tour: Visiting examples of University of Malta’s visible impact on Maltese Society” to be held in November this year, was advertised.

Audience

As expected, the stand attracted a number of people from all walks of life. It is estimated that hundreds of visitors of all ages stopped to engage with the University staff on the stand. Their interest varied from asking about University of Malta courses to how they can help with collecting plastics.

Outcomes

No direct tangible outcomes can be ascribed to the event. However, the level of interest in the University’s activities, particularly in how they can help to protect the environment, was rather high. This augurs well, showing that the drive to promote ocean literacy is having an impact on society. The availability of reliable information was a point with which the audience was not so familiar, so this activity should have helped to address this gap.



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Promotional material in the annex

- Changemakers_programme.pdf
- OS_Videocapsules_QR.pdf
- Ocean_Decade_QR.pdf
- Ocean_State_Report_QR.pdf
- European_Atlas_of_the_Seas_QR.pdf
- Teachers_Corner_QR.pdf
- Bus_Tour_Flyer.pdf

ACTIVITY 6

Did you know? Campaign on Open Science at Science in the City, Malta 2023

Introduction

[Science in the City](#) is Malta's Science and Arts Festival, organised within the remit of European Researchers' Night. The theme chosen for 2023 is Changemakers. The event included four festivals: the Pre-festival, Street Festival, Performance Festival and Virtual Festival. The organisers of this event have an active Facebook page on which they hold a number of campaigns to create awareness about various issues. One such campaign is the "Did you know?" campaign.

Description of activity

Dr. Fiona Sammut and Audrey Zammit prepared a plan for four posts to be included in the "Did you know?" campaign. The aim was to have these published in the summer months prior to the main event. The content selected for the posts were:

1. EMODnet / Atlas of the Seas (Open Data)
2. FAIR data principles
3. Launch of UM's Data Repository (drUM)
4. Citizen Science

The four posts were drafted and sent to the Science in the City organising team. However, due to the large volume of content that they had to post, related to the festival logistics, only [one post](#) was actually published prior to the event (Figure 4 **Error! Reference source not found.**). This was referred to in a tweet by the European Atlas of the Seas (Figure 5 **Error! Reference source not found.**), which was in turn retweeted by EMODnet (Figure 6 **Error! Reference source not found.** **Error! Reference source not found.**) from where it was further shared. The [second post](#) (which was Post 3 in the plan) was published on 27th October 2023 (Figure 7 **Error! Reference source not found.** **Error! Reference source not found.** **Error! Reference source not found.** **Error! Reference source not found.**).



Audience

The Science in the City, Malta Facebook page is targeted at the local population. It has 18,000 followers and 17,000 likes. The European Atlas of the Seas Twitter page (@EuropeAtlasSeas) has 2785 followers, while the EMODnet Twitter page (@EMODnet) has 6212 followers.

Outcomes

Both Facebook posts garnered about 15 interactions each. These include both Likes and Shares. The Tweets had a better organic reach, with the original Tweet from @EuropeAtlasSeas being viewed 760 times. Of course, the fact that only two posts made it to the public was a disappointment, though there is the possibility of the remaining posts being published in the near future.



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Figure 4: Post on Science in the City, Malta Facebook page featuring the European Atlas of the Seas. Posted 26th July 2023.



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European Atlas of the Seas

@EuropeAtlasSeas



Thank you @SciCityMalta for your interest in the @EuropeAtlasSeas and @EMODnet! Great to hear about your upcoming #festival!

#DYK that the #Atlas includes #maps on #Natura2000 sites, Posidonia oceanica distribution & Drifting buoys?

ec.europa.eu/maritimeaffair...

#OceanLiteracy



EU Maritime & Fish and 5 others

1:06 PM · Aug 8, 2023 · 756 Views



Figure 5: Post on European Atlas of the Seas Twitter page referring to original Facebook post about the European Atlas of the Seas. Published 8th August 2023



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EMODnet reposted



European Atlas of the Seas @EuropeAtlasSeas · Aug 8

Thank you @SciCityMalta for your interest in the @EuropeAtlasSeas and @EMODnet! Great to hear about your upcoming #festival!

#DYK that the #Atlas includes #maps on #Natura2000 sites, Posidonia oceanica distribution & Drifting buoys?

ec.europa.eu/maritimeaffair...

#OceanLiteracy



EU Maritime & Fish and 5 others



3

7

760



Figure 6: Retweet by EMODnet of the tweet by the European Atlas of the Seas. Published 8th August 2023



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Figure 7: Post on Science in the City, Malta Facebook page featuring the University of Malta data repository (drUM). Posted 27th October 2023.

Additional material in the annex

- Did you know – post 1



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Draft – prepared by Audrey Zammit



Image: EMODnet

Did you know that you don't need a boat to explore the Mediterranean Sea? The European Atlas of the Seas has a catalogue of more than 275 map layers all waiting to be discovered. These layers were built using data collected by various entities and made freely available through the Open Data portal EMODnet - the European Marine Observation and Data Network. For more information, go to:

Atlas of the Seas - https://emodnet.ec.europa.eu/en/eu_atlas_of_the_seas

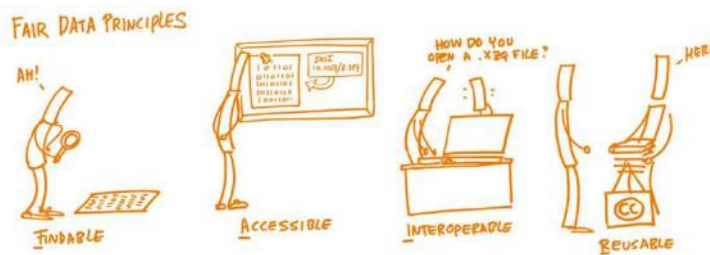
EMODnet - https://emodnet.ec.europa.eu/en/about_emodnet

@EuropeAtlasSeas @SEA-EU @researcheu @seaeualliance #SEAEU #ReSEArchEU #OPENSOURCE @Oceanography #EMODnet

- Did you know – post 2

Draft – prepared by Fiona Sammut

FAIR PRINCIPLES



Did you know that the term FAIR can also refer to a dataset? FAIR refers to data that is Findable, Accessible, Interoperable, and Reusable. FAIR principles facilitate the understanding and repurposing of data to additional studies, maximising research potential. FAIR is one of the 8 pillars of Open Science. For more information visit: <https://book.fosteropenscience.eu/>

@SEA-EU @researcheu @seaeualliance #SEAEU #ReSEArchEU #OPENSOURCE



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- Did you know – post 3

Draft – prepared by Raelene Church

Science in the City FB post - Did You Know?

Ever wondered how groundbreaking discoveries are made? Behind every scientific breakthrough, there's a treasure trove of research data. Research data includes information, observations and measurements collected during experiments, studies and investigations across various fields.

We're thrilled to announce that the University of Malta (UM) is taking a giant leap into the world of data sharing and collaboration! Starting this October, the University is launching a Data Repository - **drUM**. This repository will be a secure digital platform where researchers can store, share and access valuable research data.

Stay Tuned! Keep an eye out for updates about the **drUM**'s launch this October, by visiting the **UM Library's website** (link this text to www.um.edu.mt). Whether you're a student, researcher, or simply curious about the richness of data-driven insights, this initiative opens up exciting opportunities for everyone.

#ScienceInTheCityMalta #UMLibrary #ResearchData #UMDataRepository #ScienceMatters #DiscoverTogether

- Did you know – post 4

Draft – prepared by Audrey Zammit

CITIZEN SCIENCE

Did you know that anyone can be a scientist?

All you need is awareness of your surroundings, an Internet connection and occasionally a camera or smartphone app. @Oceanography Malta Group at UM, @Environment and Resources Authority and @Esplora Interactive Science Centre are some of the organisations that are currently running citizen science campaigns that you can engage in. Below are some links. How many more can you find?

Spot the Jellyfish - <https://ocean.mt/jellyfish/public/>

Spot the Alien - <https://www.aliensmalta.eu/>

ANDROMEDA app - <https://ocean.mt/2023/03/02/andromeda/>

Save the Sea - <https://survey123.arcgis.com/share/8a52494599bd4fd3b3a1b0a20d8defeb>

Malta Pollinator Monitoring Scheme - <https://era.org.mt/malta-pollinator-monitoring-scheme-call-for-citizen-scientists/>

Globe Observer App - <https://esplora.org.mt/become-a-citizen-scientist/>

@SEA-EU @researcheu @seaeualliance #SEAEU #ReSEArchEU #OPENSOURCE



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ACTIVITY 7

European Researchers' Night, Malta 2023

Introduction

[Science in the City](#) is Malta's Science and Arts Festival, organised within the remit of European Researchers' Night. The theme chosen for 2023 is Changemakers. The event included four festivals: the Pre-festival, Street Festival, Performance Festival and Virtual Festival. This year, the Performance Festival was held at the Catholic Institute in Floriana, on 29th and 30th September. The festival included an event called [Changemaker Spotlight](#), where researchers could present their work to the public in 15 minutes.

Description of activity

Dr. Adam Gauci and Audrey Zammit prepared a 15-minute presentation during which the audience was taken over a quick tour of what Open Science can offer, and how they can contribute to Open Science.

The presentation touched on the type of oceanographic data collected by the University. This data is not only used by researchers, but it is also made available through various Open Data initiatives, such as EMODnet. This data network enables researchers to share their data with each other. However, it has gone a step further and elaborated the data into various maps on the European Atlas of the Seas, where users can choose from a selection of predefined maps, or even create their own. A feature that elicited particular interest amongst the audience was the Teachers Corner. This is a tool that can be used in classrooms to make learning more fun. Finally, the audience was introduced to Citizen Science campaigns that are currently running in Malta.

During the presentation, an invitation to the upcoming "Bus Tour: Visiting examples of University of Malta's visible impact on Maltese Society" was extended to all present.

Audience

The Changemaker Spotlight talks were interspersed with performances from the Musical Minds event, so the audience was mixed between science and music lovers. About 20 people of varying ages followed the presentation about Open Science.

Outcomes

There was no time to mingle with and talk to the audience before or after the presentation, since there were other performances happening. However, during the presentation itself, the audience was interacting and replying to the questions made by the speakers. The slides about the Teachers Corner and Bus Tour were photographed by some of the audience showing interest in both items.



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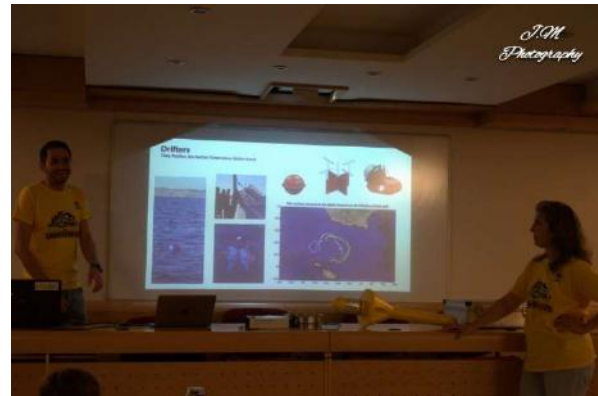


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Pictures



Promotional material in the annex

- [Changemaker_spotlight_web_page.pdf](#)
- [ERN2023_Open_Science_Presentation.pptx](#)



WP 5: Open Science Ambassadors

Activities Report

KIEL UNIVERSITY



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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.

LIST OF OPEN SCIENCE AMBASSADORS

Name & Surname	Email Address	Position	Department
Julia Prieß-Buchheit	buchheit@paedagogik.uni-kiel.de	Open Science Ambassador CAU	General Pedagogy
Peer Kröger	pkr@informatik.uni-kiel.de	Professor for Information System and Data Mining	Computer Science

LIST OF OPEN SCIENCE ACTIVITIES

Activity Nos.	Description of Activity	Date of Delivery	Name of Report	Targeted audience	Nos. Participants	Contributing OSAs & Collaborators
1	OSA Exchange at the Education and Teaching Formats Reports from the Reproducibility Networks	May 10-12 at Charite in Berlin	OSA Exchange	European Reproducibility Networks, SMEs and Universities	40	from Kiel Prof. Dr. Julia Prieß-Buchheit
2	<p>"Small Open Science Campaign at Kiel University: Kiel University is fostering the Open Science movement, which seeks to open up the scientific process for more exchange and transparency within and outside the university context. The Open Science campaign at Kiel University raises awareness and encourages researchers to engage in open science practices."</p> <p>Overall, Kiel University is committed to advancing Open Science initiatives through research, collaboration, learning abroad programs, technological advances, and more. The campaign will use posters, leaflets, and other information material.</p>	Oct-23 Kiel University	CAU OS Campaign	researchers, lecturers, administration and students	Online 2500	<p>Julia Prieß-Buchheit, Nicole Schmidt, Sinje Dübeler, Friederike Balzereit, Ilka Parchmann?</p> <p>Linda Zollitsch, Thilos Paul Stüve, Britta Petersen,</p>

Report 1: OSA Exchange

Short intro

The Open Science Symposium on "Education and Teaching Formats Reports from the Reproducibility Networks" was successful. The event, which took place on May 11, 2023, brought together various representatives to discuss their experiences in open science and reproducibility.

As an Open Science Ambassador of Kiel University, Prof. Dr. Julia Priess-Buchheit attended this vital symposium and engaged in meaningful discussions with colleagues nationwide. Attendees shared insights into their learning activities within the reSEArch-EU project and discussed various strategies for promoting open science and reproducibility in education and teaching formats.

The symposium was held at the Charité in Berlin. It provided an excellent opportunity for attendees to learn from leading experts in the field, network with peers, and share their own experiences and insights. The presentations and discussion were thought-provoking, informative and engaging.

Overall, the Open Science Symposium on "Education and Teaching Formats Reports From the Reproducibility Networks" was a valuable event that highlighted the importance of open science and reproducibility in education and teaching. It provided a platform for sharing ideas and best practices, and I'm confident that the insights gained will contribute to advancing research and education in these critical areas.

Description of Event and Agenda

Strategies for open science in higher education: Open science aims to make research more transparent and efficient by providing access to data, tools, and resources. This can help reduce duplication of effort and increase the speed at which discoveries are made. Universities worldwide are beginning to recognise the value of open science and are developing strategies to promote it in their institutions.

These strategies include providing training for faculty on open science principles; creating policies that support open access publishing; encouraging collaboration between researchers; investing in technology infrastructure; and creating incentives for faculty to engage in open science activities. The Open Science Ambassador of Kiel invites different experts and stakeholders to discuss new strategies in higher education and gives insights into what research results are known in the field of FAIR training.

Universities also need to ensure that their students have access to open science resources so they can learn about this important concept. By promoting open science in higher education, universities can foster an environment where collaboration is encouraged, new discoveries can be made quickly, and knowledge can be shared freely across disciplines.



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Time	Duration	Agenda	Speaker	Affiliation
10:00-10:05	5 min	Welcoming & Agenda of the Day	Ulf Tölch	BIH (GRN)
10:05-10:15	10 min	Update on status quo of th GRN	Antonia Schrader	Helmholtz Open Science Office (GRN)
Good practices presented by national Networks				
10:15-10:30	15 min	FoRR Fundamentals of Responsible Research Course	Silk Kniffert	BIH (GRN)
10:30-10:45	15 Min	Integrating a mandatory and hands-on course on open science and reproducible research into the curriculum for the Mannheim Master in Social Data Science	David Morgan	University of Mannheim (GRN)
10:45-11:00	15 Min	Transparency throughout the research cycle: some ideas on a course for Medical PhD students	Michiel de Boer	University Medical Center Groningen (The Netherlands)
11:00-11:15	15 Min	Good research practice: interdisciplinary courses at the University of Zurich	Eva Furrer	University of Zurich (SwissRN)
11:15-11:30	15 Min	Teaching reproducible research: a Croatian perspective	Ivan Buljahn	University of Split (Croatian RN)
11:30-12:00	30 Min	Q&A		
12:00-1 pm	60 Min	<i>Lunch Break (Catering on-site)</i>		
01:00-01:15	15 Min	Teaching reproducible research practices - experiences from Karolinska Institutet	Gustav Nielsonne	Karolinska Institutet (SweRN)
01:15-01:30	15 Min	Results: Learning Curve of P2I's FAIR Training	Julia Prieß-Buchheit	Christian-Albrechts-Universität
01:30-01:45	15 Min	Training of Spanish speaking researchers with "learning-p2i.eu" course on FAIR principles (M8)	Katharine Miller	Miller International Knowledge

Audience

Around 40 OS experts from European Reproducibility Networks, SMEs and Universities

Discussions from the meeting

The attendees gained knowledge and inspiration from the presentations and discussion and started an OS coffee lecture at Kiel University (see another report). The discussions during the Symposium highlighted challenges and opportunities in promoting open science and reproducibility in education and teaching formats. They resulted in the new Open Science Campagne CAU for addressing these issues. Overall, the outcome of the Symposium contributed to advancing understanding and practice in the field of open science and reproducibility and set the stage for future collaborations and initiatives (→ Winter School on Open Science with Split).

Pictures





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The OSAs from Split and Kiel (Ivan Buljan and Julia Priess-Buchheit) meeting in Berlin

Resources

Powerpoint presentation by JProf. ulia Prieß-Buchheit, entitled '**Strategies for open science in higher education**'



Report 2:

CAU Open Science Campaign

Short intro/announcement

The SEA-EU Open Science Campaign at Kiel University is a dynamic initiative to promote Open Science principles and practices within the academic community. The campaign seeks to enhance awareness and foster collaboration among researchers and enthusiasts by creating promotional materials and organising interactive events, including science cafés and coffee lectures. This series of engaging activities provides participants (see audience) with invaluable insights into collaborative research, data sharing, and open access, empowering them to contribute to a more transparent, inclusive, and innovative scientific landscape.

Agenda

From September 2023 to December 2023, the public relations of CAU and SEA Eu will post on LinkedIn, Instagram, and X different posts on open science. Some will be content-related; others will show which activities are administered at Kiel University under the umbrella of Open Science.

Audience

All followers of Kiel University and SEA EU- Around 44,000 people.



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Outcomes/Discussions from the meeting

-

Pictures

The image shows a screenshot of a presentation slide on the left and a social media post on the right. The slide is titled "#OpenScience? Was | What" and lists several bullet points in German and English. The social media post is from Kiel University, dated September 5th, and discusses an event on Open Science.

#OpenScience? Was | What

- Eine wissenschaftliche Arbeitsweise, die Transparenz, Zusammenarbeit und Nachvollziehbarkeit fördert.
- Wissenschaftliche Artikel, Daten, Codes und Forschungsergebnisse stehen zügig und nachhaltig verfügbar.
- Wesentlicher Bestandteil ist die Einbindung von Citizen Science. Menschen aus der Gesellschaft werden damit aktiv Akteure des Forschungsprozesses.
- A research approach that promotes transparency, collaboration and traceability.
- Scientific articles, data, codes and research results are available quickly and sustainably.
- An integral part is the involvement of Citizen Science. Here, people from society become active players in the research process.

Kiel University
44,137 followers
5d · 🌐

Zum Thema **#OpenScience** gibt es bei uns ab kommende Woche bis April eine Reihe an Veranstaltungen & Coffee Lectures, die über die Bedeutung und Vorteile von Open Science für **#Forschung** und darüber hinaus informieren und Raum für Diskussion geben sollen. Maßgeblich beteiligt ist Professorin **Julia Claire Prieß-Buchheit**, Open Science Ambassador für die **#Unikiel** und **European University of the Seas SEA-EU**. Mehr zum Thema von **Julia Claire Prieß-Buchheit** gibt es im Video "Open Science Videocapsule" 📺.

📅 Den Auftakt am 12. September von 10:30 bis 12:30 Uhr macht das **#FYORD Science Café** als World Café zur Frage "How do I use Open Science for my research?". **#FYORD** steht für Foster Young Ocean Resear ...see more

[See translation](#)

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👤 Add a comment... 😊 📷



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#OpenScience? Warum | Why

- Wenn Ihr Eure Forschungsthemen schon zu einem frühen Zeitpunkt teilt, wird Eure Forschung sichtbarer und auch später besser zitiert.
- Neue Kooperationen können schneller entstehen.
- Eure Ergebnisse können mit denen anderer Forschenden abgeglichen werden, weil ihr etablierte digitale Werkzeuge nutzt.
- If you share your research topics early, your research will be more visible and better cited later.
- New collaborations can emerge more quickly.
- Your results can be compared with those of other researchers because you use established digital tools.

European University of the Seas SEA-EU

CIAU

Christian-Albrechts-Universität zu Kiel



Kiel University

44,137 followers

Sid +

Zum Thema #OpenScience gibt es bei uns ab kommende Woche bis April eine Reihe an Veranstaltungen & Coffee Lectures, die über die Bedeutung und Vorteile von Open Science für #Forschung und darüber hinaus informieren und Raum für Diskussion geben sollen. Maßgeblich beteiligt ist Professorin Julia Claire Prieb-Buchheit, Open Science Ambassador für die #UniKiel und European University of the Seas SEA-EU. Mehr zum Thema von Julia Claire Prieb-Buchheit gibt es im Video "Open Science Videocapsule" 📺.

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See translation

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6 reposts



Like



Comment



Repost



Send



Add a comment...





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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

#OpenScience? Wie | How

- An der Uni Kiel wollen wir ein Forschungssystem und eine wissenschaftliche Gemeinschaft fördern, die exzellente Forschung lebt und mit anderen teilt.
- Dabei stützen wir uns auf die „UNESCO Recommendations on Open Science“.
- Wir sind überzeugt vom Nutzen von Open Science für Gesellschaft und Wissenschaft. Wissen soll mehrsprachig offen zugänglich und wiederverwertbar sein.
- At Kiel University, we want to promote a research system and a scientific community that lives and shares excellent research.
- We are committed to the UNESCO Recommendations on Open Science.
- We are convinced of the benefits of Open Science for society and science. Science should be openly accessible and reusable in multiple languages.

Kiel University
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Zum Thema #OpenScience gibt es bei uns ab kommende Woche bis April eine Reihe an Veranstaltungen & Coffee Lectures, die über die Bedeutung und Vorteile von Open Science für #Forschung und darüber hinaus informieren und Raum für Diskussion geben sollen. Maßgeblich beteiligt ist Professorin [Julia Claire Prieß-Buchheit](#), Open Science Ambassador für die #UniKiel und [European University of the Seas SEA-EU](#). Mehr zum Thema von [Julia Claire Prieß-Buchheit](#) gibt es im Video "Open Science Videocapsule" 📺

📅 Den Auftakt am 12. September von 10:30 bis 12:30 Uhr macht das #FYORD Science Café als World Café zur Frage "How do I use Open Science for my research?". #FYORD steht für Foster Young Ocean Resear ...see more

[See translation](#)

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Promotional material in the annex



WP 5: Open Science Ambassadors

Record of Outreach 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	<p>Workshop on Open Science: Sharing Research Data and Best Practices</p> <p>A dynamic event designed to educate and empower researchers, and scientists in the principles and practices of Open Science. This workshop highlights the significance of Open Science in advancing research and knowledge.</p> <p>Participants were equipped with the knowledge and tools to embrace Open Science principles, fostering a more open, collaborative, and impactful scientific community.</p>	June 28, 2023	Workshop on Open Science: Sharing Research Data and Best Practices	40	31	Liljana Poljak Bilic, Ivan Buljan
2	<p>Presentation at the German Reproducibility Network symposium on education and reproducibility explores the teaching of reproducible research, focusing on both formal (structured) and informal (unstructured) teaching methods and their application in a Croatian context.</p>	11 May 2023	Teaching reproducible research: a Croatian perspective	50	30	Ivan Buljan

3	Newspaper articles – science data, open science	July 2022, March 2023	<u>Slobodna Dalmacija - Istraživanje splitskog liječnika podiglo prašinu među znanstvenicima, citirao ga je i ugledni 'Nature': Taština i sebičnost 'ubijaju' znanost, kolege ne dijele podatke čak ni o koroni!</u>	2000	1000	Ivan Buljan Mirko Gabelica
4	Open Science on social media	OSAs will provide some content for social media	September 2023 – November 2023	250	50	Ivan Buljan Mirko Gabelica Boris Marko Kukovec Ljiljana Poljak
5	Promotion of Open Science during Researcher's Night, Open Science Quizzes, Talks with scientists	29th September 2023	Researchers Night-Promotion of Open Science	3000	5000	Tea Pezo, Science Office of University of Split

6	Staff Week Research Integrity	Participating with Kiel University Autumn School on Research Integrity on 14 November in Kiel	14 November Kiel			Ivan Buljan Mirko Gabelica
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ACTIVITY 1

Title: Workshop on Open Science: Sharing Research Data and Best Practices

Date: June 28, 2023

Location: University Library, University of Split

Attendees: Doctoral students, Research Support Officers (RSOs), Research Support Assistants (RSAs), and support staff

Description: A dynamic event designed to educate and empower researchers, and scientists in the principles and practices of Open Science. This workshop highlights the significance of Open Science in advancing research and knowledge.

Participants were equipped with the knowledge and tools to embrace Open Science principles, fostering a more open, collaborative, and impactful scientific community.



Picture 1: Picture from the workshop



Picture 2: Picture from the workshop

ACTIVITY 2

Title: Teaching reproducible research: a Croatian perspective

Location: Presentation on German Reproducibility Network symposium on education and reproducibility

Date: May 2023

Presenter: Ivan Buljan

Description: This presentation explores the teaching of reproducible research, focusing on both formal (structured) and informal (unstructured) teaching methods and their application in a Croatian context. "Teaching Reproducible Research: A Croatian Perspective" likely provides valuable insights into the diverse methods and strategies used to educate individuals about the importance of reproducibility in research, catering to both formal and informal teaching contexts.



Picture 3: OSA Ivan Buljan and Julia Priess-Buchheit Picture 4: Screenshot PPT Teaching reproducible research a Croatian perspective

ACTIVITY 3

Title: Newspaper articles – science data, open science

Date: July 2022, March 2023

Location: Newspaper articles of OSA

Description: Newspaper articles on theme Open Science published in July 2022 and March 2023, focus on open science and research integrity. They explore the benefits of open science in democratizing access to scientific data and fostering global collaboration, while also addressing challenges related to privacy, data security, and responsible data management.

HEVATSKA • KRKA ČISTOTI

Istraživanje splitskog liječnika podiglo prašinu među znanstvenicima, citirao ga je i ugledni 'Nature': Taština i sebičnost 'ubijaju' znanost, kolege ne dijele podatke čak ni o koroni!

PIŠA VARIJAMA ČIČIĆA
11. rujna 2022. • 10:09



Picture 5: Screenshot newspaper article M.Gabelica

2

universtas | obujak 2023.

VELIKI USPJEH ZNANSTVENIKA SA SPLITSKOG SVEUČILIŠTA

Rezultati istraživanja zainteresirali su i najuglednije, kao što je časopis Nature

U istraživanju sudjelovalo gotovo 50 tisuća znanstvenika iz Europe i SAD, a cilje bio ispitati istraživačke norme o podacima koji im njihova institucija pruža za pogledu znanstvenih istraživača: čistosti, odnosno što institucije čine kako bi istraživači svoje projekte i eksperimente provodili u skladu s najvišim standardima

višim standardima znanstvenih istraživača: čistosti. Prilikom provedbe istraživanja pokazalo se kako uspješno i istraživačima i znanstvenicima, europski istraživači primaju više standardiziranih i uspješno istraživačkim projektima te su mnogi sigurni i održavanje visokih standarda znanstvenih istraživača: čistosti. A jedna od najvažnijih i bitnijih stvari je da istraživači imaju pristup podacima svojih istraživanja i istraživača: čistosti. A jedna od najvažnijih i bitnijih stvari je da istraživači imaju pristup podacima svojih istraživanja i istraživača: čistosti.

PIŠA VARIJAMA ČIČIĆA

11. rujna 2022. • 10:09



Picture 6: Screenshot newspaper article I.Bulja

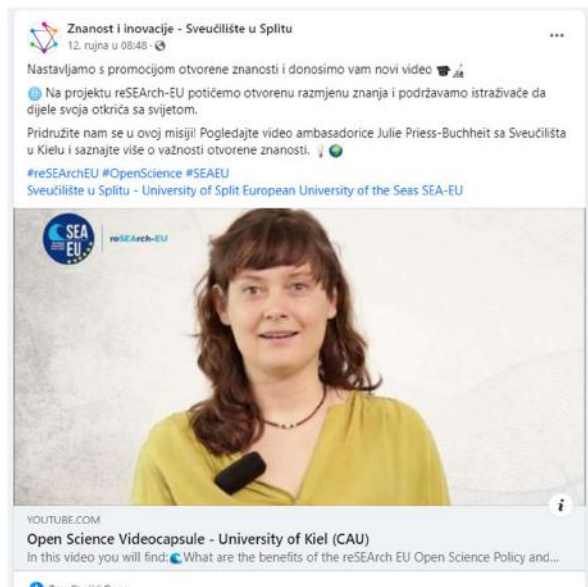
ACTIVITY 4

Title: Social Media Campaign Increasing Awareness of Open Science

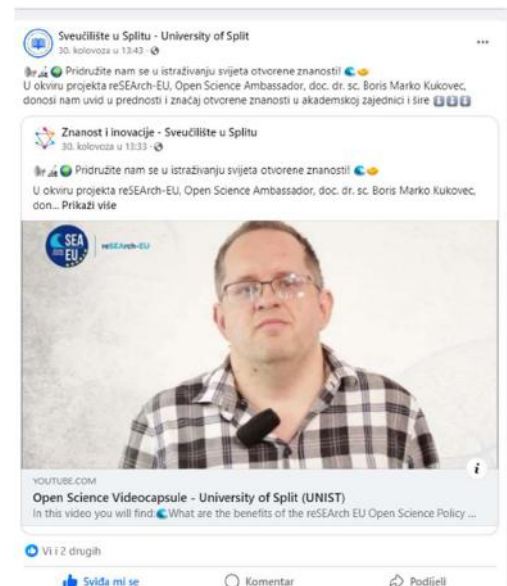
Date: September, October 2023, November 2023

Location: Social media accounts of the University of Split

Description: Our social media campaign is all about raising awareness of Open Science and its importance in advancing research and knowledge for the benefit of all. We are currently promoting video capsules of OSA.



Picture 7: Promotion of videocapsule OSA KIEL



Picture 8: Promotion of videocapsule OSA UNIST

ACTIVITY 5

Title: Promotion of Open Science on European Researchers Night

Date: September 29, 2023

Venue: Split, city center

Organizer: UNIST, Tea Pezo, Science Office

Description:

The Promotion of Open Science event on European Researchers Night, held on September 29, 2023, was a resounding success. Through a combination of activities, including an Open Science Quiz and Talks with Researchers, the event achieved its objectives and left a positive impact on both participants and organizers, also videocapsules of OSA were on the video wall the whole event.

One of the focal points of the event was the Open Science Quiz. This interactive quiz provided participants with an opportunity to test their knowledge about Open Science concepts, principles, and their significance in contemporary research. The quiz consisted of a series of multiple-choice questions and was designed to be accessible to participants of all ages and backgrounds.

The "Talks with Researchers" segment of the event featured presentations and discussions by prominent researchers and scientists who actively research, share success stories, and inspire the audience.

The inclusion of Open Science video capsules on the main stage video wall was a pivotal element of our event's success during the European Researchers Night. These video capsules played a crucial role in conveying the essence and significance of Open Science to our diverse audience, making complex concepts accessible and engaging.

The Promotion of Open Science event on European Researchers Night successfully achieved its goal of promoting awareness and understanding of Open Science principles among the public.



Picture 9: Open Science Quiz



Picture 10: OSA videocapsules on main stage



Picture 11: Research Talks

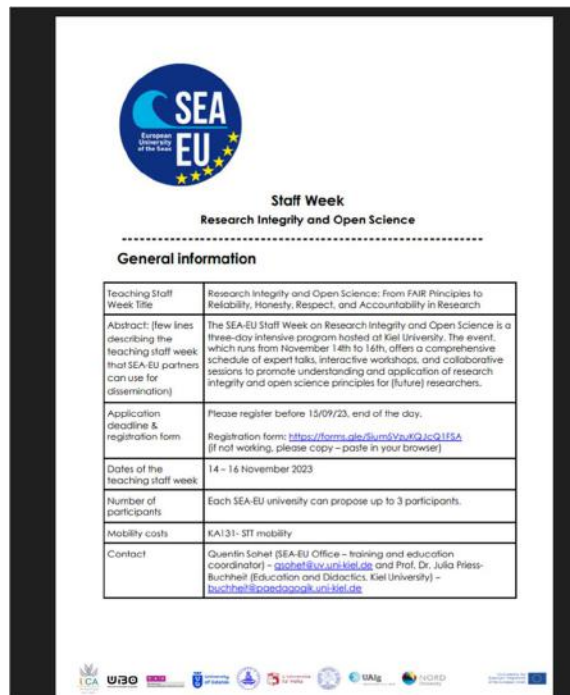


Picture 12: Poster Open Science ERN

Plan for next Training activities

ACTIVITY 6

Staff Week Research Integrity and Open Science in Kiel, from 14 to 16 November. The University of Split and Kiel University are organizing Training Activities on Staff Week of Research Integrity. Participants/Moderators from UNIST are Prof Ana Marušić, OSA Ivan Buljan and Mirko Gabelica.



Picture 13: Agenda Staff Week Research Integrity and Open Science

All Presentations, publications, signature list, and other evidence material are in the folder OSA exchange in Alfresco.