

EMPOWERING CITIZENS
THROUGH STEAM
EDUCATION WITH
OPEN SCHOOLING

DELIVERABLE 6.6

Events Report M24

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LIST OF ACRONYMS

ACRONYM DEFINITION ΑE Ars Electronica CCSTI La Casemate **FAB** Onl'Fait ΙH Impact Hub **MFCR** Município de Figueira de Castelo Rodrigo **OSHub** Open Science Hub OSHub.Net Open Science Hub Network **STEAM** Science, Technology, Engineering, Art, and Mathematics SciCo Science Communication – Greece SCIN Science In **TCD** Trinity College Dublin ULEI University of Leiden WP Work Package

EXECUTIVE SUMMARY

This deliverable corresponds to D6.6: Events Reports M24, and describes the events that the OSHub partners have organized/participated in during the second year of the project, and the list of events planned for the third year.

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1. INTRODUCTION

1.1 Background: about OSHub.Network

The Open Science Hub Network (OSHub.Network), a consortium of nine partners across Europe, engages schools and local stakeholders in research and innovation as a tool for sustainable community development.

More specifically, the OSHub.Network is establishing a European network of community hubs – OSHubs, in communities that traditionally do not engage with research and innovation due to various barriers, geographical location, socio-economic status, or ethnic minority group background. OSHubs inspire, empower and engage citizens – from school children to senior citizens – in STEAM (Science, Technology, Engineering, Arts and Mathematics) learning and research opportunities, grounded on collaboration with societal agents.

As such, local OSHubs work as mediators in their local communities, positioning schools as active agents for collaboration between civil society, enterprises, research institutes, and families. This is performed by promoting an open schooling approach grounded in community-based participatory research practices: throughout this process, schools and communities identify local relevant challenges, which are then transformed into relevant research and innovation projects, led by students and teachers, in collaboration with local stakeholders.

The OSHub.Network is developing a common methodological framework, that allows each OSHub to identify and analyse local needs, issues, opportunities and relevant actors, in order to address socio-economic, geographical, gender equity issues, and untapped growth potential. Inspired by the "Mission-Oriented Research & Innovation in the European Union"¹approach, developed by Mariana Mazzucato, OSHub.Network will define a set of Open Schooling Missions, aimed at addressing local relevant challenges linked to the Sustainable Development Goals. These Open Schooling Missions will then constitute the basis for the creation and development of the open schooling projects, enabling real collaboration across communities.

Mariana Mazzucato (2018), Mission-Oriented Research and Innovation in the European Union – A problem solving approach to fuel innovation-led growth', European Commission, Retrieved from: https://ec.europa.eu/info/sites/info/files/mazzucato_report_2018.pdf

Importantly, to ensure diversity, inclusion and sustainability, in each OSHub location, there will be a local management board with representatives from local stakeholder groups – schools (including students), families, research institutes and universities, enterprises, industry, media, local governments, civil society organizations and wider society – which will be involved in all key processes and decisions regarding local OSHub programmes and initiatives.

By supporting local schools and communities with the tools and network to tackle relevant challenges, OSHub.Network aims to create local impact while simultaneously promoting an active global citizenship attitude, thus contributing to community development, innovation and well-being.

To encourage usage and maximise impact in Europe and beyond, all resources, products and solutions developed by OSHub.Network will be fully based on Open Standards, such as open education, open technology, open science, open hardware, open design and open architecture. Also, OSHub. Network will create an online platform to share OSHub expertise, resources, and best practices with all OSHubs, their partners and the communities they serve. To ensure the legacy and reach of the project, all OSHub.Network resources will also be shared on existing large online educational repositories, and relevant national networks and repositories.

Finally, OSHubs will develop a legacy and sustainability plan, and will work closely with local governments, to ensure that each local OSHub has the tools and resources to continue beyond the lifetime of the project, and that the Open Schooling approach is incorporated in the school vision and organizational structure.

By the end of the project, it is expected that the OSHub.Network will have impacted 25 000 students, 1 250 teachers and 4 000 members of the community, through involvement in more than 150 school-university-industry-civil society partnerships in open schooling projects and activities.

In the long-run, we envision OSHubs as education brokers in their local communities, supporting local school networks to incorporate Open Schooling in their vision and organizational structure, leading to sustainable quality of education. Most particularly, OSHubs will facilitate the bridge between the needs and realities of schools and their local context and resources, as well as brokering for implementing national/regional policies, passing along signals from schools when policies are failing and advocating for context-sensitive policies.

1.2 Objectives of the Events Report

Throughout the 3 year duration of the project, OSHub.Network will organize and participate in several events targeted at a wide range of publics: schools (including students, teachers, Direction Board, staff), families, research institutes and universities, enterprises, industry, local governments, civil and wider society. These events can be divided in two broad categories: participation in conferences related to science communication, science education, citizen science, community-based participatory research; and organization and participation in STEAM education and Open Schooling initiatives and events.

In this deliverable we describe the events that the OSHub partners have organized/participated in during the second year of the project, and the list of events planned for the third year.

2. PARTICIPATION IN EVENTS BY OSHUB PARTNERS

In Table 1 we provide a list of the events in which OSHub partners participated during the second year of the project to disseminate the project, and in Table 2, the list of events planned for the third year.

Table 1: Events in which OSHub partners participated during the second year of the OSHub project (October 2020 – September 2021).

EVENT NAME	DATE / LOCATION	ROLE	TYPE OF PARTICIPATION	OTHER / COMMENTS
OSHub Inspiration Session ² : Webinar with Petr Mares, SCIN and Núria Castell, NILU, Norway	2020-10-01, Online	Organizer (Consortium) Speaker P7-SCIN) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. In each session, there's normally one OSHub partner presenting and an invited guest.	Relevant output: Session video and presentations ³

OSHub Inspiration Sessions: https://opensciencehub.net/inspiration_session.html

OSHub Inspiration Session 01 October 2020 – video and presentations: https://drive.google.com/drive/folder-s/1Do92bgOv5WS3At4DQ7D4JuwtdMxCplWi?usp=sharing

OSHub Inspiration Session ² : Webinar with Pandora Sifnioti, SCICO and Fenyvesi Kristof, University of Jyväskylä	2020-10-29, Online	Organizer (Consortium) Speaker (P9-SCICO) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. In each session, there's normally one OSHub partner presenting and an invited guest.	Relevant output: Session video and presentations ⁴
OSHub Inspiration Session ² : Webinar with OSHub, PHEREC- LOS, PULCHRA, SEAS	2020-11-26, Online	Organizer (Consortium) Speaker (P1-ULEI) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. In each session, there's normally one OSHub partner presenting and an invited guest.	Relevant output: Session video and presentations ⁵ Around 50 participants from the different projects
1st PULCHRA workshop: Edu- cational methods in support of science and scien- ce education for Cities as Urban Ecosystems ⁶	2021-01-27, Online	Speaker (P1-ULEI)	Presentation about the OSHub Network	Relevant output: Presentation ⁷

- 4 OSHub Inspiration Session 29 October 2020 video and presentations: https://drive.google.com/drive/folder-s/1KPnCxiTAwUfg8cY6kSk0TiahG5uUrnWg?usp=sharing
- OSHub Inspiration Session 26 November 2020 video and presentations: https://drive.google.com/drive/folders/137NcME1UIc3ES9D01oCjpqQcp8HAmjBu?usp=sharing
- OSHub Inspiration Session 26 November 2020 video and presentations: https://drive.google.com/drive/folders/137NcME1UIc3ES9D01oCjpqQcp8HAmjBu?usp=sharing
- 1st PULCHRA workshop, presentation about OSHub.Network project: https://docs.google.com/presentation/d/1mVP0rp8ddTJS8go94RX1_vSEIg8D7m0QGHzXOe-LBZE/edit?usp=sharing

Joint OSHub and OStogether Inspi- ration Session ^{2,8} : Webinar with OSHub, Make it Open (MiO), OSOS	2021-02-04, Online	Organizer (Consortium) Speaker (P1-ULEI) Participant (several partners)	First Inspiration Session organized by OStogether. This first session was a joint event with OSHub Inspiration Session, which included a presentation about the OSHub Network	Relevant output: Session video and presentations ⁹
Trinity Access Vir- tual Teachmeet ¹⁰	2021-02-04, Online	TCD	Presentation about OSHub-IE	Relevant output: Presentation ¹¹
Maker Monday at STEAMHOUSE ¹²	2021-03-18, Online	AE	Presentation about OSHub-AT	-
OSHub Inspiration Session ² : Webinar with OSHub-PT and invited teachers from each partner country	2021-03-24, Online	Organizer (Consortium) Speaker (P8-MFCR) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. This session was a workshop with teachers from each partner country focused on Open Schooling project co-creation	Relevant output: Presentation and tools ¹³

- 8 OStogether Inspiration Sessions: https://opensciencehub.net/ostogether_inspiration_session.html
- 9 Joint OSHub and OStogether Inspiration Session 04 February 2021 video and presentations: https://drive.google.com/drive/folders/1y04RN5NbO_UW-pHnaMFoVa4epRDYpYpF?usp=sharing
- Trinity Access Virtual Teachmeet: https://www.eventbrite.ie/e/trinity-access-virtual-teachmeet-2021-tic-kets-137397412359#
- Trinity Access Virtual Teachmeet presentation: https://docs.google.com/presentation/d/1Bebl5GRUITNdB-TXX30FICbdHcyI2_Ais3_9J11cVZlc/edit?usp=sharing
- Maker Monday event at STEAMHOUSE: https://www.eventbrite.co.uk/e/maker-monday-150321-with-andrew-newman-ars-electronica-tickets-144024247401
- OSHub Inspiration Session 24 March 2021 presentation and tools: https://drive.google.com/drive/folder-s/1vLIDhy2Aj3YSBCKGrlKprWTeWSWGn78t?usp=sharing

OSHub Inspira- tion Session ² : Webinar with OSHub-CH	2021-04-22, Online	Organizer (Consortium) Speaker (P4-FAB) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. This session was a workshop on Open Schooling project co-creation.	-
OStogether Inspiration Session ⁸	2021-05-12, Online	Speaker (P4-FAB)	Presentation about OSHub-CH	-
OSHub Inspira- tion Session ² : Webinar with OSHub-NL and IE	2021-05-20, Online	Organizer (Consortium) Speaker (P1-ULEI and P2-TCD) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. This session consisted of the impact evaluation framework from OSHub-NL and the educational program from OSHub-IE.	Relevant output: Session video and presentations ¹⁴
Municipal As- sembly of Figu- eira de Castelo Rodrigo	2021-05-21, Online	Speaker (P8-MFCR)	Presentation about OSHub-PT for local policy-makers	Relevant output: Presentation ¹⁵
ARNA Conference ¹⁶	2021-06-04, Online	Speaker (P8-MFCR)	Presentation about OSHub-PT	Relevant output: Presentation ¹⁷

OSHub Inspiration Session 20 May 2021 – video and presentations: https://drive.google.com/drive/folders/10-W0oNTBOEqlKLOGrUap1Qs-JXtS6zgcH?usp=sharing

Municipal Assembly of Figueira de Castelo Rodrigo, OSHub-PT presentation: https://docs.google.com/presentation/d/1YVEmvUErlYJTyWAhiAwyxQRwZvZDmdtsiZTweHGaofo/edit?usp=sharing

ARNA Conference: https://arnawebsite.org/puertavallarta2021-eng/

ARNA Conference, OSHub-PT presentation: https://docs.google.com/presentation/d/1yVq-bKdD-zMCPDs-35-IqO9Q7SYzY5V3OhN_yR2JUBmU/edit?usp=sharing

ECSITE ¹⁸	2021-06-09-11, Online	Speaker (P1-ULEI)	Presentation about OSHub Network	Relevant output: Session program and OSHub presentation ¹⁹
ECSITE ²⁰	2021-06-09-11, Online	Speaker (P10-AE L)	Presentation about OSHub-AT	Relevant output: Session program ²¹
SciComPt 2021	2021-06-23-25, Online	Speaker (P8-MFCR)	Presentation and networking session focused on OSHub-PT work	Relevant output: Presentation ²²
Living Knowled- ge Festival ²³	2021-06-28 – 2021-07-02, Online	Speaker (P1-ULEI)	Presentation about OSHub Network	Relevant output: OSHub video ²⁴
OSHub Inspira- tion Session ² : Webinar with OSHub-AT	2021-07-01	Organizer (Consortium) Speaker (P10-AE L) Participant (Consortium)	Monthly event series organized by OSHub to promote sharing of best practices, experiences and challenges around Open Schooling, Citizen Science and Community-Based Participatory Research. This session was a workshop focused on OSHub-AT work.	-

- 18 ECSITE: https://www.ecsite.eu/activities-and-services/ecsite-events/conferences/2021-ecsite-online-conference
- 19 ECSITE OSHub Network presentation: https://docs.google.com/presentation/d/1UgX0it7xHqOSws0uMlnXb-wxD5o90P2pDM6aa80okCWo/edit?usp=sharing
- ARNA Conference, OSHub-PT presentation: https://docs.google.com/presentation/d/1yVq-bKdD-zMCPDs-35-lqO9Q7SYzY5V3OhN_yR2JUBmU/edit?usp=sharing
- 21 ECSITE session program: https://www.ecsite.eu/activities-and-services/ecsite-events/conferences/sessions/aesthetic-experience-looking-afresh-stem
- 22 SciComPt 2021, OSHub-PT presentation: https://docs.google.com/presentation/d/14oEttygLvtLGWmg9PCcD-TChtlO1BI77xDCRsOFNGf18/edit?usp=sharing
- 23 Living Knowledge Festival: https://www.livingknowledge.org/events/lk-festival/
- Living Knowledge Festival, OSHub video: https://drive.google.com/file/d/1baTaib0XHvHiSYfXHO2q238yCc-gWc8D6/view?usp=sharing

Falling Walls, Engaging the Excluded ²⁵	2021.08.18, Online	Speaker (P8-MFCR)	Short film presentation and roundtable	Relevant output: Short film ²⁶ and perspective review ²⁷
8th LSME In- ternational Rese- arch Conference on Sustainable Development and Education ²⁸	2021.08.27 – 28, Online	Speaker (P1-ULEI)	Presentation about OSHub Network	Relevant output: OSHub Network presentation ²⁹
ESERA ³⁰	2021.08.30- 2021.09.03 Online	Speaker (P1-ULEI)	Presentation about OSHub Network	Relevant output: Session program ³¹ and extended abstract ³² and OSHub video ³³ and presentation ³⁴
Ars Electronica Festival – A New Digital Deal	2021.09.08 – 12 Online	Organizers (P10-AE L; P1-ULEI; P4-FAB) Speakers (P1-ULEI; P9-SciCo)	Discussion panel about local to global Open Schooling projects and the digital revolution	Relevant output: Session program ³⁵ and presentations ³⁶

- 25 Falling Walls, Engaging the Excluded: https://falling-walls.com/engage/engaging-the-excluded/
- 26 Falling Walls, Engaging the Excluded short film: https://youtu.be/3Q5gqtPkv0o
- 27 Falling Walls, Engaging the Excluded perspective review: https://falling-walls.com/file/108572/
- 28 8th LSME International Research Conference on Sustainable Development and Education: https://lsme.ac.uk/conferences/international-research-conference-2021
- 8th LSME International Research Conference on Sustainable Development and Education, OSHub Network presentation: https://docs.google.com/presentation/d/1DgIBT0AMEQykQyv9zTQfWpYjXLl364INXuoR-kt-GqM4/edit?usp=sharing
- 30 ESERA: https://www.esera.org/33-conference/830-esera-conference-2021-praga-portugal
- 31 ESERA session program: https://www.seas.uio.no/news/2021/open-schooling-at-esera2021-online-conference. html
- 32 ESERA session extended abstract: https://drive.google.com/file/d/1Z_dgGJdTorimOGiVFAXZiiRl-QDZgX4O/view?usp=sharing
- 33 ESERA, OSHub video: https://drive.google.com/file/d/1Effocen1J9vTiMuSbv4a6cFs03R83wxV/view?usp=sharing
- ESERA, OSHub presentation: https://docs.google.com/presentation/d/1Ni7WbX9ghW8cFrb4Lfh6o-7U3PvCWbu7MTMKjccEXuF4/edit?usp=sharing
- 35 Ars Electronica, session program: https://ars.electronica.art/newdigitaldeal/en/transnational-collaboration/
- Ars Electronica, presentations: https://drive.google.com/drive/folders/1XuM3akPVxy7fCNkpstrcCHOGU7j-GfT-S?usp=sharing

Ars Electronica	2021.09.08 – 12	Organizers (P10-AE L; P1-ULEI)	Workshop on Open	Relevant output:
Festival – A New Digital Deal	Online	(P1-ULEI; P2-TCD; P4- FAB; P10-AE L); P8-MFCR; P9-SciCo)	Schooling project development	Session program ³⁷
Science Comm 21 ³⁸	2021.09.16, Fribourg, Switzerland	Speaker (P4-FAB)	Presentation about OSHub-CH	-
Medngiht A- egean Science Festival ³⁹	2021.09.24-26, Lemnos, Greece	SciCo	Physical presentation of OSHub-GR projects developed by the local schools	-

Table 2: Events in which OSHub partners plan to participate during the third year of the OSHub project (October 2021 – September 2022)

EVENT NAME	DATE / LOCATION	PARTNER THAT PLANS TO PARTICIPATE	OTHER / COMMENTS
Intermunicipal Forums on Open Schooling	October 2021 and June 2022	P8-MFCR	Organized by P8-MFCR Target public: teachers, school heads and stu- dents
Training Day Learning Eco- system and New/Multidisci- plinary Sciences, Nature and Science Clubs	October 2021 and June 2022	P1-ULEI	

³⁷ Ars Electronica, session program: https://ars.electronica.art/newdigitaldeal/en/open-schooling-workshop/

³⁸ Science Comm 21: https://www.sciencecomm.ch/en/sciencecomm-21

³⁹ MedngihtlAegean Science Festival: https://aegeansciencefestival.com/en/programme/?language=en&f_day=25-09-2021

9th Living Knowledge Festival ⁴⁰	October 2021 and June 2022	P1-ULEI, P8-MFCR	
ECSITE ⁴¹	October 2021 and June 2022	Several	
SciComPT – Conference of the Portuguese Network of Science & Technology Com- munication	October 2021 and June 2022	P1-ULEI, P8-MFCR	
Ars Electronica	October 2021 and June 2022	Several	

3. CONCLUSION

Throughout the 3 year duration of the project, OSHub.Network will organize and participate in several events targeted at a wide range of publics: schools (including students, teachers, Direction Board, staff), families, research institutes and universities, enterprises, industry, local governments, civil and wider society. These events can be divided in two broad categories: participation in conferences related to science communication, science education, citizen science, community-based participatory research; and organization and participation in STEAM education and Open Schooling initiatives and events.

In this deliverable we described the events that the OSHub partners have organized/participated in during the second year of the project, and the list of events planned for the third year.

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⁹th Living Knowledge Festival 2022: https://www.livingknowledge.org/events/lk-conferences/

⁴¹ ECSITE 2022: https://www.ecsite.eu/conference





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