

OSHUB PORTUGAL



OPEN SCIENCE HUB
PLATAFORMA
DE ESCOLA
ABERTA
PORTUGAL



Municipality of Figueira de Castelo Rodrigo

The Municipality of Figueira de Castelo Rodrigo (MFCR) is located in the northeast of Continental Portugal, in a low density territory on the border with Spain. In 2017, the MFCR started a social innovation programme – Plataforma de Ciência Aberta – aimed at bringing together science, technology and innovation with local/regional communities, by using research and innovation as tools to tackle local challenges, like freshwater quality, agricultural innovation and circular economy. Plataforma de Ciência Aberta works as an education and innovation hub for the region, connecting multiple schools, universities, municipalities and civil society organisations, and has wide experience: 1) in the development and implementation of educational activities targeted at students; 2) development of implementation of teacher training programs; 3) development and implementation of initiatives and events for the general public in collaboration with multiple stakeholders of the territory; and 4) in the facilitation of community-based action research processes between local stakeholders.

OSHub Team

Ana Faustino

Project Manager

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Value Proposition

OSHub-PT supports and works together with schools in the co-creation and integration of relevant and sustainable strategies that promote the development of active citizens in addressing local challenges, through research and innovation projects in collaboration with relevant actors.

Target public

The school community as a whole, with more continuous actions targeted at teachers and students.

Management Board

01 Non-formal education-related entity

- **EduFor – Teacher training centre**

José Miguel Sousa, Director

Type of relationship/interaction: STEAM, maker and evaluation partner. José has also been collaborating with OSHub-PT in events involving teachers, co-creating the programme, as well as defining the open schooling strategy for the future.

01 Academia

- **CIIMAR, University of Porto**

Luís Vieira, Researcher

Type of relationship/interaction: Freshwater quality and plastic pollution consultant

Contact frequency: Around 4 times per year

02 School

- **School Cluster of Figueira de Castelo Rodrigo**

Ana Cristina Perpétuo, Teacher

Type of relationship/interaction: Co-creation of open schooling programmes, including co-creation of open schooling activities, planning and co-development of training sessions for teachers, co-development of the Citizenship and Development Manual

Contact frequency: Weekly

- **School Cluster of Figueira de Castelo Rodrigo, Psychology Office**

Maria João André, Psychologist

Type of relationship/interaction: Co-creation of open schooling programmes, namely co-creation of open schooling activities and collaboration in the organisation of participatory events with local partners.

Contact frequency: Weekly / monthly

Approach

OSHub-PT is based in the county of Figueira de Castelo Rodrigo, in a border, low density territory located in the northeast interior of Portugal, with a population density of 12 inhabitants/km. The population of this region has traditionally limited access to STEAM-related initiatives and the importance of community development has been identified by the EU programme Interreg V-A-Spain-Portugal (POCTEP). This is associated with low school performances and high rates of school failure, low innovation and reduced capacity for investment and entrepreneurship. On the other hand, it is a region that entails an immense potential regarding natural, archaeological and historical heritage, including two UNESCO World Heritage sites – the PreHistoric Rock Art Sites in the Côa Valley and Siega Verde and the Alto Douro Wine Region. Moreover, it is part of the Network of Historical Villages of Portugal and of the Douro River Cruises Route, receiving several hundred thousand tourists per year.

OSHub-PT has been working as a facilitating agent in the community, promoting open, inclusive and interdisciplinary processes in which citizens and community groups collaborate with researchers, professionals from enterprises and policy-makers to tackle community-defined problems at local and regional levels.

In particular, at school, OSHub-PT has been collaborating directly with school heads and teachers in providing structural support and an interface for the integration of Open Schooling approaches in the school organisational culture, so that schools become effective and autonomous drivers of community development and well-being.

The role of OSHub-PT in the establishment of this school-based OSHub model entails:

- to liaison with the Municipality and other relevant partners so that this strategy can become a territory-wide approach (vs. a focal initiative at a school);
- to work directly with schools, supporting teachers and school boards in the integration of Open Schooling approaches, in both formal and non-formal settings, including:
 - co-designing, developing and implementing curricula/projects based on best practices;
 - documenting and evaluating the process and practices;
 - facilitating the dialogue with community stakeholders;
 - ensuring a continuous training program for teachers and school heads;
- to advocate for the importance of Open Schooling with school boards and decision-makers, facilitating its integration at the school organisational culture.

- to foster the development of local networks amongst schools and community stakeholders to exchange knowledge /experience;

Model

With the objective of providing schools with the support to integrate open schooling approaches in their daily-life and organisational culture, OSHub-PT works together with the school community in the following:

- **Continuous professional development activities, which can range from:**

Long (25h) training programs for teachers and school heads on how to develop and implement open schooling projects co-creatively with students. This training program promotes a project based methodology settled on equity, inclusion and democracy, which guides educators through the following steps: tackling local challenges/opportunities, collaborating with stakeholders, sharing with the local community and evaluating the impact of the project. This training program, as well as the supporting practical manual, was developed together with teachers from the School Cluster of Figueira de Castelo Rodrigo.

Short (2h to 6h) training sessions for educators and school heads about the development of projects based on youth-identified local challenges in collaboration with community partners.

Follow-up sessions for teachers, individual or in group, to support them in the daily-implementation of open schooling practices.

- **Facilitated sessions inside the classroom**

Although the focus of OSHub-PT's approach is to support teachers increasing their knowledge and confidence to use open schooling practices in their daily-life, whenever necessary or requested, the OSHub-PT team also works directly with the teachers inside the classroom, either by aiding in the implementation of specific dynamics, following groups of students in the development of their projects, establishing specific contacts with stakeholders.

- **Brokerage events between the school community and stakeholders, including:**

Practical workshops to promote/strengthen connections and foster collaborative work, projects and activities between teachers and external stakeholders, while at the same time creating the opportunities and conditions for the beginning of effective partnerships between the school and their communities.

Informal discussions about open schooling and democratic education approaches between educators and professionals working in the field, with the objective of creating a community of practice, while sharing real experiences, good-practices and challenges.

Physical Space

At a school room (from the school group of Figueira de Castelo Rodrigo) and at Plataforma de Ciência Aberta-MFCR building.

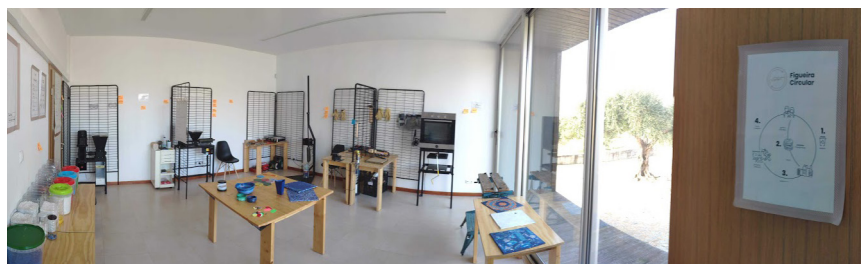


Figure 1: Photo of OSHub-PT physical space at Plataforma de Ciência Aberta building.

Partner Schools

NAME	LOCATION	SCHOOL YEARS	# STUDENTS	# TEACHERS	# SCHOOL HEADS
School Cluster of Figueira de Castelo Rodrigo*	Figueira de Castelo Rodrigo	Primary, middle and secondary	428 (all students the school cluster)	37 (half of the teachers from the school cluster)	2 out of 5

* The School Cluster of Figueira de Castelo Rodrigo includes four primary schools, one middle school and one secondary school

Implementation

OSHub-PT has been working, since 2018, with the schools of the municipality of Figueira de Castelo Rodrigo to promote the Open Schooling approach, by fostering environments where schools, in cooperation with stakeholders, become agents of community well-being by engaging in real-life projects that meet societal needs.

This approach takes place in the Citizenship and Development classes, by looking at current societal challenges through a local scope to raise lifeworld needs in the community that can be addressed by students' projects.

Through co-creation tools, such as Design-Thinking and Business Model Canvas, students get involved throughout the entire process of the project, which is shaped along the way according to their progress.

The Portuguese hub aims to create chances for the professional development of teachers, empowering each one to autonomously and sustainably implement strategies that bring schools closer to research and innovation, contribute to promote student's active citizenship and shape schools to become local agents in their communities.

Overall, OSHub-PT impacted:

- Directly:
 - 428 students corresponding to 24 190 interactions (engagement rate: 56.5)
 - 37 teachers corresponding to 820 interactions (engagement rate: 22)
 - 136 community members corresponding to 136 interactions (engagement rate: 1)
- Indirectly:
 - 3 420 students

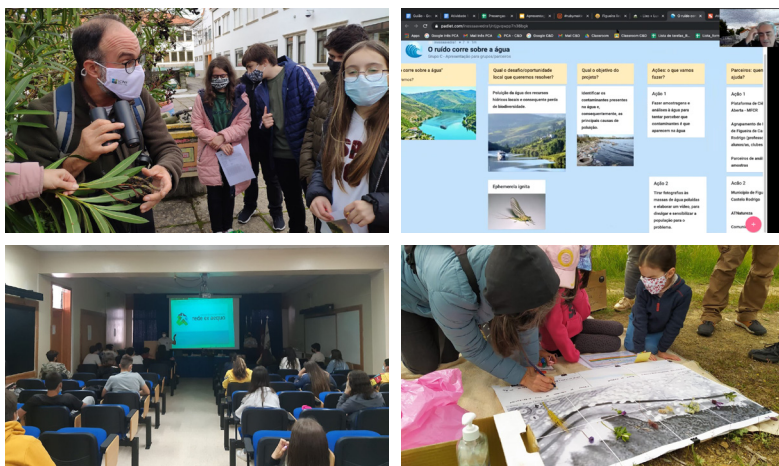


Figure 2 – 5: Photos from Open Schooling in the discipline of Citizenship and Development sessions.

Partnerships

These are just representative examples of partnerships that OSHub-PT and the School Cluster of Figueira de Castelo Rodrigo have established, since Open Schooling is currently an established practice in the discipline of Citizen and Development, and the involvement of community stakeholders is a key variable in the development of projects.

03 School

- **Psychology Office (SPO)**

Type of relationship/interaction: Co-facilitation of open schooling sessions with several classes and co-creation and participation of several events (e.g. Open Schooling Forum).

Contact frequency: Weekly / monthly (depending on the stage of the project)

- **School canteen**

Type of relationship/interaction: Preparation of intercultural meals representative of the nationality diversity at school and analysis of the food waste at the canteen.

Contact frequency: Around 4 times per semester

- **School library**

Type of relationship/interaction: Participation in project about healthy food.

Contact frequency: 1 time per week, during the duration of the project in the pedagogical garden (around 1 semester). 1 time per week, for one semester, during the project on healthy food and food waste.

03 Civil Society

- **Rede exaequo**

Type of relationship/interaction: Facilitation of sessions about LGBTQIA+ community for several classes, participation in the Open Schooling Forum

Contact frequency: Frequently during the time period of the events for which they were invited

- **Associação Transumância e Natureza**

Type of relationship/interaction: Participation in co-creation session about local challenges, participation in the Open Schooling Forum

Contact frequency: Around 1 to 3 times per semester.

- **Ginásio Clube Figueirense (sports-related club)**

Type of relationship/interaction: Participation in project about interculturality (interviews to football players from different nationalities)

Contact frequency: Once to facilitate the interviews

03 Government

- **Municipal Assembly of Figueira de Castelo Rodrigo**

Type of relationship/interaction: Participation of students in the local municipal assembly

Contact frequency: Twice during the project, to present issues that need intervention in terms of road safety and accessibility

- **Environment Office of the Municipality of Figueira de Castelo Rodrigo**

Type of relationship/interaction: Participation in project about monitoring freshwater quality; participation in a co-creation session about local challenges

Contact frequency: Frequent

- **Natural Park of International Douro**

Type of relationship/interaction: Participation in co-creation session about local challenges

Contact frequency: Once

01 Arts Sector

- **Rúben Almeida, Sculptor**

Type of relationship/interaction: Participation in teacher training sessions and in several activities with students

Contact frequency: Around 4 times during the project.

03 Media

- **Newspaper "Ecos da Marofa"**

Type of relationship/interaction: Collaboration with local newspapers to communicate about a student campaign to collect computer equipment during the pandemic

Contact frequency: Once

- **Newspaper "O Interior"**

Type of relationship/interaction: Collaboration with local newspapers to communicate about a student campaign to collect computer equipment during the pandemic

Contact frequency: Once

- **Radio "Elmo"**

Type of relationship/interaction: Collaboration with local radio to communicate about a student campaign to support war refugees from Ukraine, with collection of houses available to support refugees and campaign to collect medicines at local pharmacies

Contact frequency: Once

03 Wider Society

- **Local citizens of different nationalities and backgrounds**

Type of relationship/interaction: Participation in project about interculturality

Contact frequency: Twice for two different projects on intercultural interviews

- **e.cos – citizen group for sustainability**

Type of relationship/interaction: Participation in teacher training sessions

Contact frequency: 4 or 5 times

- **Families**

Type of relationship/interaction: Participation in different projects, namely: building nest houses for birds, participating on a challenge about the landscape, and on healthy food. Participation in the community of practice event "Conversations with Education"

Contact frequency: Several times, depending on the project

Activities

07 Teacher Training Sessions (country-wide certified continuous training program)

SHORT DESCRIPTION

The teacher training program took place between November 2020 and May 2021, with twenty teachers from four different school clusters (SC) and one science centre (SC Figueira de Castelo Rodrigo, SC Almeida, SC Sé – Guarda, SC Pioneiros de Aviação Portuguesa, SC Pêro da Covilhã, Museu do Côa – Centro de Ciência Viva). This program was co-developed with one teacher from the SC of Figueira de Castelo Rodrigo (FCR) – Ana Cristina Perpétuo – and it was aimed at increasing student's active citizenship and promoting teacher's autonomy in Open Schooling practices. The content of this teacher training program was based on a practical manual co-created by the OSHub-PT team together with the teachers of the Citizenship and Development discipline, from the SC of FCR and systematised the Open Schooling practices that have been developed and implemented in this school cluster since the school year of 2018/2019.

The original materials of this Teacher Training Program can be found [here](#) (PT).

In the Resource section we also make available an adapted version of this training program (with a wider scope, not just focused on the discipline of Citizenship and Development), which can also be found in the [OSHub website](#), together with the Citizenship and Development Practical Manual ([here](#)).

This training program has been disseminated through the Teacher Training Centre that certified the training program – Guarda Raia – as well as through social media, for example:

- [Post Session III](#)
- [Post Session IV](#)
- [Post Session V](#)
- [Post Session VI](#)
- [Post Session VII](#)

DURATION

25 hours, distributed through 7 sessions of 3-4 hours: 6 online sessions and 1 face-to-face session

TIMELINE

November 2020 to May 2021

PEOPLE ENGAGED

- Directly engaged:
 - 18 teachers corresponding to 126 interactions (interaction rate: 7)
 - 2 school heads corresponding to 14 interactions (interaction rate: 2)
 - 1 professional from NGO corresponding to 1 interaction (interaction rate: 1)
 - 1 professional from Arts corresponding to 1 interaction (interaction rate: 1)
- Indirectly engaged:
 - 360 students



Figure 6 – 9: Photos from teacher training sessions, both online and in-person.

06 Teacher Training Sessions (school-wide)

SHORT DESCRIPTION

In the school year of 2019/2020, we started a continuous teachers training program with the goal of, not only, capacitating teachers on the Open Schooling approach, methods and activities, but also with the aim of continuing co-creating Open Schooling activities with them, that would potentiate the integration of the Open Schooling approach with the Citizenship and Development discipline curricula.

DURATION

6 sessions, in a total of 12.5 hours

TIMELINE

September 2019 to June 2019

PEOPLE ENGAGED

- Directly engaged:
 - 17 teachers corresponding to 102 interactions (interaction rate: 6)
- Indirectly engaged:
 - 340 students



Figure 10 – 11: Images from the school-wide continuous teacher training programme.

15 Teacher Support Sessions

SHORT DESCRIPTION

At the end of the school year of 2019/2020 we realised that we had to change the support given to the teachers depending on their school cycle, because different school years had different requirements in terms of educational practices and that the Open Schooling approaches that we were using had to be adapted according to age. So, in the beginning of the school year of 2020/2021, we had the following OS follow-up sessions with teachers:

School year of 2020/2021 – 10 sessions in total:

- 1st meeting: 1 session with teachers from the 1st grade to secondary education
- 2nd meeting: 3 sessions in total – 1 session for the 1st grade, 1 session for the 2nd/3rd grade and 1 session to secondary education
- 3rd meeting: same as above
- 4th meeting: same as above

School year of 2021/2022:

- 1st meeting: 1 session with teachers from the 2nd, 3rd grade and secondary education and 1 session with preschool and 1st grade teachers

- 2nd meeting: 2 sessions for 2nd and 3rd grade, in the beginning of the 1st and 2nd semester; 1 session for 1st grade

The materials from these meetings can be found in the links below:

- 2020/2021
 - *Meetings – presentations and materials*
 - *Teachers team*
- 2021/2022
 - *Meetings – presentations and materials*
 - *Teachers team*

These sessions have communicated through social media, for example:

- 3rd meeting in 2020/2021
 - *1st grade | 2nd and 3rd grade | secondary*
- 2nd meeting in 2021/2022
 - *2nd and 3rd grade*

DURATION

From 1 to 2 hours

TIMELINE

- 2020/2021: 1st and 2nd meeting in the 1st term, 3rd meeting in the 2nd term and 4th meeting in the 3rd term
- 2021/2022: 1st meeting in the 1st semester, 2nd meeting in the end of the 1st semester

PEOPLE ENGAGED

- Directly engaged:
 - 39 teachers corresponding to 273 interactions (interaction rate: 7)
- Indirectly engaged:
 - 980 students



Figure 12 – 13: OSHub-PT follow up sessions with teachers.

278 Facilitated Sessions

SHORT DESCRIPTION

Some teachers didn't feel that the follow-up sessions, workshops and/or certified training on OS was enough for them to autonomously facilitate the development, planning and implementation of an OS project. So, we were available to facilitate sessions inside the classroom as well as facilitating the contact with external stakeholders. So, we helped on some projects related to: teenage pregnancy; stray animals; conservation of the fauna and flora of the territory; support for Ukrainian war refugees; raise awareness and respect for diverse cultures, ethnicities, genders and sexual orientation.

Throughout all the school year, whenever needed and asked by teachers, from 2019/2022 to 2020/2021 and until 2021/2022.

The materials from these meetings can be found in the links below:

- [2019/2020](#)
- [2020/2021](#)
- [2021/2022](#)

These sessions have communicated through social media, for example:

- <https://www.facebook.com/AgrupamentoEscolasFigueiraCasteloRodrigo/videos/490446802113707/>
- <https://www.facebook.com/AgrupamentoEscolasFigueiraCasteloRodrigo/posts/3693941037392473>
- <https://www.facebook.com/AgrupamentoEscolasFigueiraCasteloRodrigo/posts/3857814254338483>
- <https://www.facebook.com/AgrupamentoEscolasFigueiraCasteloRodrigo/posts/3934048563381718>
- https://www.canva.com/design/DAEeXh88_m0/lylJsp1KpBFumrF2FICFJg/view?fbclid=IwAR-2CgBOaz4ua5OMiCIUcbVIRloLxfjM5gynCsJXzAPN8xZM4V-mt_PEPiJE#5

DURATION

45 min or 1h30

TIMELINE

From the schools year of 2019/2020 to 2021/2022

PEOPLE ENGAGED

- Directly engaged:
 - 240 students corresponding to 4800 interactions (interaction rate: 20)
 - 12 teachers corresponding to 240 interactions (interaction rate: 20)
 - 2 school heads corresponding to 36 interactions (interaction rate: 18)
 - 1 parent/guardian corresponding to 1 interaction (interaction rate: 1)
 - 1 researcher corresponding to 1 interaction (interaction rate: 1)

- 14 professionals from civil society corresponding to 14 interactions (interaction rate: 1)
- 2 professionals from the private sector corresponding to 2 interactions (interaction rate: 1)
- 8 representatives from the local municipality corresponding to 8 interactions (interaction rate: 1)
- 3 professionals from the health-sector corresponding to 3 interactions (interaction rate: 1)
- 1 professional from sports-related entities corresponding to 1 interactions (interaction rate: 1)
- 3 professionals from media corresponding to 3 interactions (interaction rate: 1)
- 14 professionals from schools (psychologist, school staff, etc) corresponding to 14 interactions (interaction rate: 1)
- Indirectly engaged:
 - 980 students



Figure 14 – 15: OSHub facilitate sessions held in schools.

952 Autonomous Sessions by teachers

SHORT DESCRIPTION

The autonomously-led sessions by teachers is one of the main outputs of the project in the Schools Cluster of Figueira de Castelo, where 28 teachers have independently incorporated Open Schooling in their practices in the discipline of Citizenship and Development.

The Open Schooling projects developed by the School Cluster of Figueira de Castelo Rodrigo have been compiled in the following website (work in progress) which will continue serving as a communication platform inside the school about Open Schooling: <https://sites.google.com/plataforma.edu.pt/aefcr-escola-abetta/p%C3%A1gina-inicial>

Currently it includes around 15 projects developed by teachers and students as well as several tools.

DURATION

45 min or 1h30

TIMELINE

School year of 2019/2020 to 2021/2022

PEOPLE ENGAGED

- Directly engaged:
 - 500 students corresponding to 19 040 interactions (interaction rate: 40)
 - 28 teachers
 - Dozens of stakeholders, as can be seen in the *Open Schooling website of the School Cluster*

01 Showcase

SHORT DESCRIPTION

Whole-day event to celebrate the closing of the school year, where: 1) in the morning – students shared with their colleagues the open schooling projects developed during the year through the organisation of workshops and activities; 2) in the afternoon – local partners, invited by the students, organised workshops for the students; 3) in the evening – parents were invited for a ceremony led by the students, where they shared with their families several activities developed throughout the year, e.g. a theatre play or a video clip about diversity, equity and inclusion.

DURATION

1 day event

TIMELINE

15 June 2022

PEOPLE ENGAGED

- Directly engaged:
 - 350 students corresponding to 350 interactions (interaction rate: 1)
 - 6 teachers corresponding to 6 interactions (interaction rate: 1)
 - 60 parents/guardians corresponding to 60 interactions (interaction rate: 1)
 - 4 local partners (e.g. Senior Academy, boxing trainer) corresponding to 4 interactions (interaction rate: 1)
- Indirectly engaged:
 - 980 students



Figure 16: Poster for the end-of year showcase featuring OSHub activities.

01 Brokerage Event

SHORT DESCRIPTION

The Open Schooling Forum was a collaborative work event between teachers and partners in STEAM projects (Science, Technology, Engineering, Arts and Mathematics). Several work, discussion and reflection sessions took place with the aim of bringing teachers closer to partner projects, coming from many different areas, e.g. research centres, teacher training centres, NGOs, school psychology offices, science centres. The invited partners organised 10 workshops, with a view on how these projects could be integrated in an appropriate and relevant way for local realities, using educational practices both in a formal and non-formal context.

The materials from the event can be found in the links below:

- *Folder with all the documents*
- *Guidelines for the sessions*
- *Initial presentation*

This event has been communicated through different channels namely social media and websites, as can be seen from the examples below.

- Social media posts:
 - *Publicising the event on social media*
 - Posts for each of the workshops promoted by the invited partners: *João Retrê, Diogo Galdes, Maria João André, Inês Bom e Ana Nunes, Pedro Jerónimo, Telma Nogueira e Raquel Ferreira,*

Renata Gonçalves, Gustavo Borges Mariano, Cristina Maria Ligeiro, José Miguel Sousa e Paula Cristina Loureiro, Ana Peso e Paulo Lourenço

- Websites:
 - Ministry of Education: <https://www.plataforma.edu.pt/forum-escola-aberta>
 - Open Science Hub – Portugal: <https://www.dge.mec.pt/noticias/forum-escola-aberta>

DURATION

6 hours

TIMELINE

06.11.2021

PEOPLE ENGAGED

- Directly engaged:
 - 33 teachers corresponding to 33 interactions (interaction rate: 1)
 - 2 school heads corresponding to 2 interactions (interaction rate: 1)
 - 3 researcher corresponding to 3 interaction (interaction rate: 1)
 - 4 professionals from NGOs corresponding to 4 interactions (interaction rate: 1)
 - 3 professionals from teacher training centres 3 interactions (interaction rate: 1)
 - 1 professional from the school psychology office corresponding to 1 interaction (interaction rate: 1)
- Indirectly engaged:
 - 660 students



Figure 17: Images from the open-schooling forum.



Figure 18: Poster for the open-schooling forum (brokerage event).

01 Community of Practice Event

SHORT DESCRIPTION

“Conversas com a EducAção” is a quarterly cycle of conversations, which aims to bring together entities and people linked to education in the territory, to share daily challenges and difficulties but also good practices and solutions. The first meeting was with José Pacheco – educator and pedagogue, who founded Escola da Ponte, in the 70s. This session focused on dialogue and collaboration in learning practices.

This event has been communicated in social media:

- *before the event*
- *after the event*

DURATION

1 hour and 30 minutes

TIMELINE

1st session took place on 21st March

PEOPLE ENGAGED

- Directly engaged:
 - 12 teachers corresponding to 12 interactions (interaction rate: 1)
 - 2 school heads corresponding to 2 interactions (interaction rate: 1)
 - 4 parents/guardians corresponding to 4 interactions (interaction rate: 1)
 - 1 professional from NGOs corresponding to 1 interactions (interaction rate: 1)

- 4 professionals from the school psychology office corresponding to 4 interaction (interaction rate: 1)
- 1 representative from the local municipality corresponding to 1 interaction (interaction rate: 1)
- 1 representative from the local library corresponding to 1 interaction (interaction rate: 1)
- 1 representative from the police authorities (Safe School programme) corresponding to 1 interaction (interaction rate: 1)
- Indirectly engaged:
 - 80 students



Figure 22 – 24: Poster and images from the first 'Conversas com a Educação' event.

Resources

- **Citizenship and Development | Practical Manual**
 Practical experience/evidence-based manual aimed at integrating Open Schooling in the Citizenship and Development discipline. This resulted from the collaborative work with 17 teachers in 2019 and 2020.
 - The Manual can be found in the *OSHub website*.
- **Integrating Open Schooling in the daily-life of schools: a teacher training program**

Training program for teachers on how to develop and implement an Open Schooling project co-creatively with students. This training program promotes a project based methodology settled on equity, inclusion and democracy. The main characteristics of this methodology are focused on: tackling local challenges/opportunities, collaborating with stakeholders, sharing with the local community and evaluating the impact of the project.

— The guidelines for this teacher training program can be found in the *OSHub website*.

Dissemination and Communication Activities

ACTIVITY TYPE	# ACTIVITIES	INFORMATION ABOUT ACTIVITIES
Organisation of a Conference	2	Ciência Viva Festival Figueira de Castelo Rodrigo Detailed information in the document in the footnote ¹
Organisation of a Workshop	2	<ul style="list-style-type: none"> Community of Practice Event – Conversas com a Educação Showcase event Detailed information above
Press release / Articles in media outlets	3	<ul style="list-style-type: none"> Articles in Regional media outlets^{2,3,4} Interview in a national radio about the production of furniture from recycled plastic⁵
Non-scientific and non-peer-reviewed publication (popularised publication)	1	Falling Walls – Engaging the Excluded ⁶

1 Conferences & Events: *Conferences & Events*

2 <https://ointerior.pt/regiao/plataforma-de-ciencia-aberta-e-caso-de-estudo/>

3 https://beira.pt/portal/noticias/plataforma-de-ciencia-aberta-de-figueira-de-castelo-rodrigo-e-caso-de-estudo/?fbclid=IwAR2ldX0O_KL4mRHuCN_FZFEPETMvFc2Odoh54kyTfpoG3NiV3OCN5WChzo

4 <https://terrasdabeira.gmpress.pt/transformar-lixo-em-pecas-de-mobiliario-e-um-dos-projectos-da-plataforma-de-ciencia-aberta-de-barca-dalva/>

5 <https://www.tsf.pt/portugal/sociedade/lixo-de-plastico-transformado-em-mobiliario-sim-vai-ser-possivel-em-barca-dalva-13172073.html>

6 <https://falling-walls.com/engage/engaging-the-excluded/>

Flyer	2	<ul style="list-style-type: none"> • Flyers for Open Schooling Forum⁷ • Flyers for the Community of Practice event, <i>Conversas com a Educação</i>⁸ <p>Detailed information above</p>
Training	15	<ul style="list-style-type: none"> • Teacher training sessions on Open Schooling through a certified continuous training program (national) • Teacher training sessions on Open Schooling (non-certified, school-wide) <p>Detailed information above</p>
Social Media	91	<p>Facebook and Instagram:</p> <ul style="list-style-type: none"> • Reach: 87 333
Website	2	<ul style="list-style-type: none"> • Webpage of OSHub in the website of Plataforma de Ciência Aberta⁹ • Website of Open Schooling – School Cluster of Figueira de Castelo Rodrigo¹⁰
Communication Campaign (e.g. Radio, TV)	2	<ul style="list-style-type: none"> • (This campaign was led and made by the students) The students gave an interview to the local radio “Elmo” about the work they did, namely, surveys to identify volunteers and houses that could accommodate war refugees. They also collected medicines, hygiene products and basic children’s items from local pharmacies, which were later sent to Ukraine, with the support of the Fire Department, <i>Interview to Rádio-Elmo</i> (min. 2:47 – 12:42) • (This campaign was led and made by the students) Students created a campaign to raise computer materials, to lends to students who needed it at the time of confinement, and publicized the campaign to 2 local newspapers that shared it, <i>Newspaper “O Interior”</i>, <i>Newspaper “Ecos da Marofa”</i>

7 https://drive.google.com/file/d/13ouydAIMVukKfunem35E1tNt_tzHhUpy/view?usp=sharing

8 <https://drive.google.com/file/d/1IS9oPPem3qJSpSFjkm17xSRom6yZLKGx/view?usp=sharing>

9 <https://www.plataforma.edu.pt/oshub-network>

10 <https://sites.google.com/plataforma.edu.pt/aefcr-escola-aberta/p%C3%A1gina-inicial>

Participation to a Conference	7	<ul style="list-style-type: none">• Falling Walls Engage Hub Kenya• SciComPt 2020• 9th Living Knowledge Conference• Ars Electronica Festival 2020• ARNA Conference• SciComPt 2021• Falling Walls, Engaging the Excluded <p>Detailed information in the document in the footnote¹¹</p>
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Participation to a Workshop	2	<ul style="list-style-type: none">• Ars Electronica Festival – A New Digital Deal 2021• Master Class (Community-Based) Participatory Research at 9th Living Knowledge• Master class: Science Shop Summer School at 9th Living Knowledge
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Participation to an Event other than a Conference or a Workshop	9	<ul style="list-style-type: none">• OSHub Inspiration Session #5• Municipal Assembly of Figueira de Castelo Rodrigo• Festa das Amendoeiras em Flor• Sabugal ENERTECH Feira• FIC.A – Festival Internacional de Ciência 2022• Open Day – AETrancoso• Ciência Viva Festival FCR• Ciência Viva Festival Pinhel• Jornadas Ciência Viva Mêda <p>Detailed information in the document in the footnote¹¹</p>
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Video/Film	6	<ul style="list-style-type: none"> • (This video was led and made by the students) Students created lyrics for the song and rapped about different types of discrimination identified in the school community¹², <i>Videoclip</i> • (This video was led by the General Directorate of Education of Portugal) The school group of Figueira de Castelo Rodrigo was identified as one of the schools from the region as having “Reference practices within the scope of Curricular Autonomy and Flexibility” and, because of that, the coordinator of Citizenship and Development, the school psychologist and some students were interviewed, <i>Video</i> • Falling Walls Engaging the Excluded • “What is Open Schooling?” (made by the consortium)¹³ • “Why would you encourage a peer to take part?”, featuring a local partner¹⁴ • “What do I need to know to get started?”, conversation between an “experienced partner” and a newcomer¹⁴
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Brokerage Event	1	<p>Open Schooling Forum</p> <p>Detailed information above</p>
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Other	1	<p>Interview with the Mayor of Figueira de Castelo Rodrigo, a teacher from the school cluster of Figueira de Castelo Rodrigo and the OSHub-PT project manager¹⁵ (featured in OStogether newsletter #2)</p>
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12 <https://www.youtube.com/watch?v=cJIXemHWwll>

13 <https://opensciencehub.net/index.html>

14 https://opensciencehub.net/local_OSHub_PT.html

15 <https://opensciencehub.net/interview.html>

Legacy

Although it will be important to continue providing support and follow-up in the future, we believe with a high degree of confidence that the School Cluster of Figueira de Castelo Rodrigo has created the conditions to integrate Open Schooling in its institutional culture and daily-practices in a sustainable way. That can be seen by: 1) the high number of autonomous sessions led by teachers; 2) the Open Schooling website of the school cluster that provides evidence for the high and diverse number of Open Schooling projects in place; and 3) the video made by the General Directorate of Education of Portugal, because the school was appointed as having “Reference practices within the scope of Curricular Autonomy and Flexibility”, where a teacher, the school psychologist and some students talk about Open Schooling.

In addition, the team of OSHub-PT, which is part of the Municipality of Figueira de Castelo Rodrigo, was invited to create a Science and Innovation Office within the Municipality. Complementary to this, the inter-municipal Governmental structure – Intermunicipal Community of Beiras and Serra da Estrela¹⁶ – proposed to OSHub-PT, in collaboration with some other entities from the territory (Network of Libraries, University of Beira Interior, Estrela UNESCO Geopark) – to present a short-medium term (2 – 5 years) strategy for the territory to bridge science, society and the territory, with a big focus on education.