

the ENVRI community International Winter School



With the support of  ENVRI FAIR and  LifeWatch ERIC



ENVRI-FAIR has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824068



Last editions of the schools

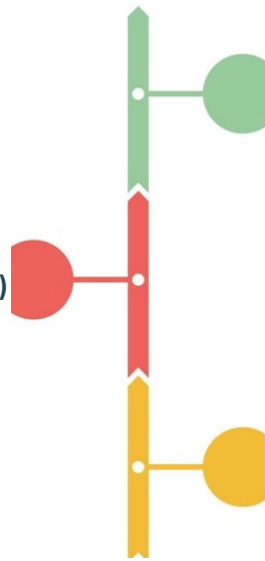


2019 July 1-5, Lecce (Italy)

DATA FAIRNESS INTERNATIONAL SUMMER SCHOOL

The course was focused on the specific Data FAIRness phase in the Environmental and Earth sciences. Main modules was: DATA MANAGEMENT in a nutshell, to be FINDABLE, to be ACCESSIBLE, to be INTEROPERABLE and to be REUSABLE

- 25 participants with representatives from Belgium, Estonia, France, Greece, Italy, the Netherlands, Norway, Portugal, Romania, Slovenia and Spain



2021 January 11–22, Virtual Lecce

ENVRI Community International Winter School on DATA FAIRness

The theme of the school is "ENVRI-FAIR Resources: Access & Discoverability", and it will cover a range of topics including semantic navigation, Jupyter environments for visualisation and data discovery, resource access tools and cloud computing.

- 33 selected Students (18 RIs and Technical Staff and 15 PhD and Master Students)

2018 July 9-13, Lecce (Italy)

International Summer School on "Data Management in Environmental and Earth Science Infrastructures"

The course was built as a five-day summer school providing an unique insight into the contemporary debate on Data Management in the environmental and earth sciences.

- 22 selected Students (16 RIs Staff and 8 PhD students)



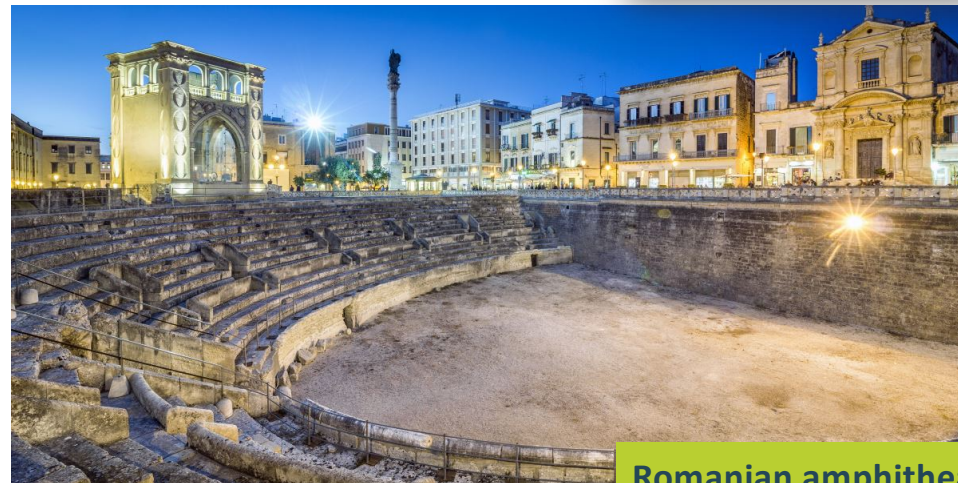


Virtual Lecce

Welcome!



Cathedral



Romanian amphitheatre



Virtual Lecce

Welcome!

🌐 City campus of University of Salento, in Building 6 of Studium 2000



Studium 2000 @University of Salento



Virtual Lecce

Welcome!

 Traditional dishes



Purpu alla pignata



Sagne 'ncannulate



Ciceri e tria



Pittule



Frise



Rustico



Pasticciotto leccese

What you need for 10 pasticciotti

For the pastry

- 250 grams of flour
- 125 grams of unsalted butter
- 125 grams of caster sugar
- 2 egg yolks
- 1 teaspoon of baking powder
- A pinch of salt

For the custard

- 1/2 liter of milk
- 125 grams of sugar
- 4 egg yolks
- 50 grams of cornstarch
- 1/2 vanilla bean (or a little bit of lemon zest)

How to make the pasticciotti

- Start by making the pastry. In a stand mixer with a paddle attachment, mix together the flour, baking powder, butter and sugar until the mixture is the consistency of a crumble. Add the egg yolks and stir together until the mixture is combined. Wrap the pastry with plastic wrap and refrigerate for 30 minutes before rolling out.
- Make the custard by boiling the milk with the vanilla and leave to infuse for a few minutes. Apart mix sugar and cornstarch and then beat the egg yolks, add the mixture of sugar and cornstarch slowly and gradually add also the hot milk, stirring constantly. Put the mixture on a low heat and allow to thicken by boiling, taking care always to mix otherwise the custard will stick.
- Roll out the pastry to a maximum height of 4mm then line 10 oval molds, fill them with the custard cream and cover the surface with the remaining pastry. Brush with egg yolk and bake at 200° for 25 minutes. Remove from the oven and serve warm.
- **Preparation time: 2 hours**



The pastry challenge



ENVRI Chef

Presentation test

- 🌐 To participate:
 - 🌐 send an email with your request for participation
 - 🌐 prepare the Pasticciotto and take video/pictures to take evidence of the work done (used ingredients, step by step procedure and final result)
 - 🌐 send by email the material
- 🌐 A jury will declare the winner of the ENVRI Chef for the best Pasticciotto that will win a special gift!



Virtual Lecce

Welcome!

- ☺ We hope you liked and enjoyed the school gadget!
- ☹ It was a very critical period for couriers, indeed for 2 of you, the mugs arrived completely broken... so sorry ☹
- ☺ Did you already had the possibility to taste the chocolate keys or do you want to unlock our first coffee break together?





ENVRI Community International Winter School on DATA FAIRness

JANUARY 2021						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FIRST WEEK

Monday, January 11th 2021 [09:00 – 11:00]

- 09:00-09:30 welcome session
- 09:30-11:00 introductory session

Tuesday, January 12th 2021 [09:00 – 12:00]

- 09:00-11:00 Semantics - Antonio José Sáenz-Albanés & José María García-Rodríguez
- 11:00-12:00 Breakout room

Wednesday, January 13th 2021 [09:00 – 12:00]

- 09:00-11:00 VREs, Data Analysis & Visualisation - Ute Karstens, Claudio D'Onofrio, Karolina Pantazatou, Ida Storm
- 11:00-12:00 Breakout room

Friday, January 15th 2021 [09:00 – 12:00]

- 09:00-12:00 unsupervised session for assignments





ENVRI Community International Winter School on DATA FAIRness

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31						

SECOND WEEK

Monday, January 18th 2021 [09:00 – 12:00]

- 09:00-11:00 Resource access tools - Nicola Fiore & Lucia Vaira
- 11:00-12:00 Breakout room

Tuesday, January 19th 2021 [09:00 – 12:00]

- 09:00-11:00 Cloud computing for developing and operating data management services - Zhiming Zhao
- 11:00-12:00 Breakout room

Thursday, January 21th 2021 [09:00 – 12:00]

- 09:00-12:00 unsupervised session for assignments

Friday, January 22nd 2021 [09:00 – 12:00]

- 09:00-11:00 participants' presentations
- 11:00-12:00 closing session





ENVRI Community International Winter School on DATA FAIRness

- All lectures will be recorded
- You will find **all materials** (readings, slide, recordings, etc.) on our ENVRI Community Training Platform: <https://training.envri.eu/enrol/index.php?id=52>



- The course will be accessible by logging into the platform
- Your credentials:
 - username: the email you used during the registration
 - password: ...
I will put it in the chat
Please change the password after your fist login!





ENVRI Community International Winter School on DATA FAIRness

At the end of the school (on Friday January 22nd) we will ask you to give us a feedback, your responses will help us improve the quality and relevance of our future training events

TRAINING





Some simple rules of participation

We are looking forward to your active participation in the Winter School

1. Turn your camera on

In order to maximise collaboration and networking in the school, we prefer everyone to turn the camera on for a personal and informal atmosphere

2. Put your microphone on “mute” when not speaking

This will reduce background noise from the 30+ participants in the school

3. Use the chat when you have questions or comment

Questions will be read during the questions & answers sessions or will be used for the breakout rooms after the lecture





Introducing the ENVRI-FAIR project

Environmental Research Infrastructures
building FAIR services accessible for society,
innovation and research - An Overview

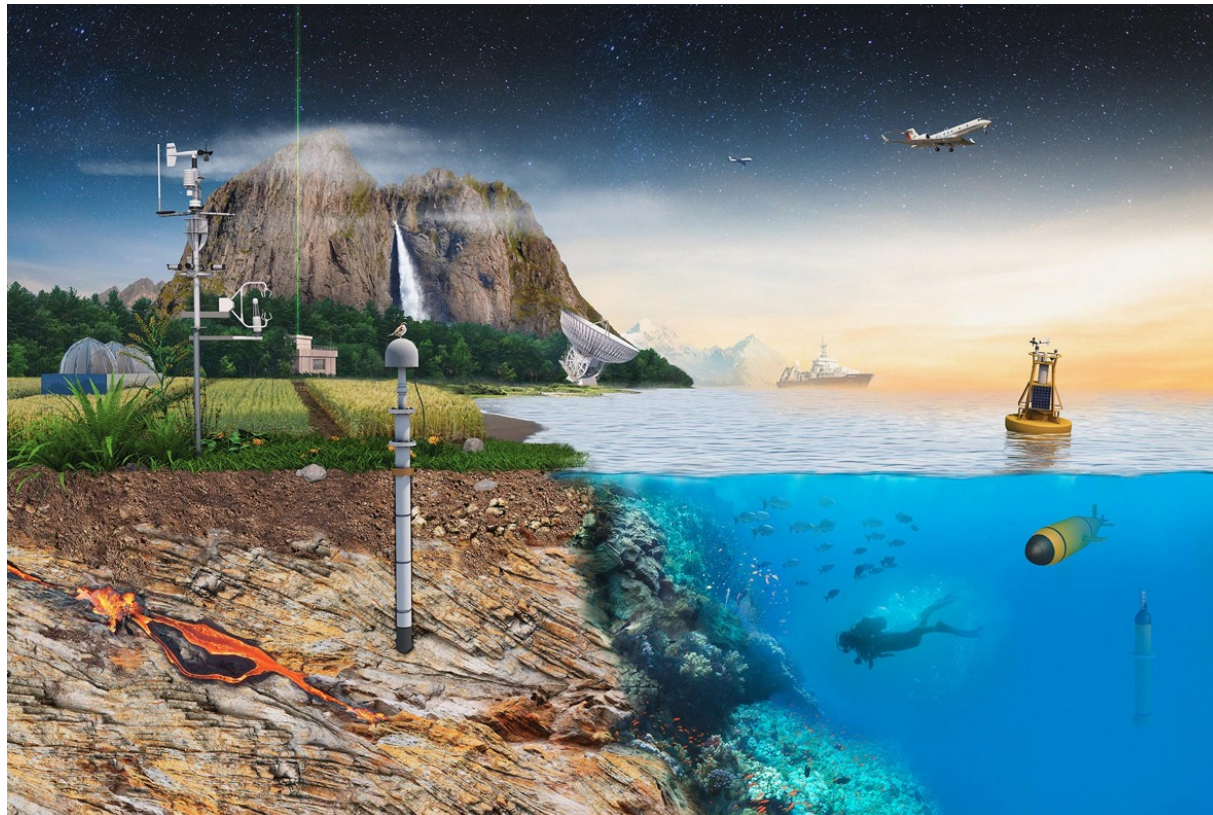


Coordination: Andreas Petzold a.petzold@fz-juelich.de
 Ari Asmi ari.asmi@helsinki.fi



Introducing the ENVRI-FAIR project

The Earth is our Lab - Europe's Environmental Research Infrastructures





The Earth is our Lab - Europe's Environmental Research Infrastructures

Life

Air

Land

Water

ACTRIS AnaEE ARISE AQUACOSM	DANUBIUS RI DISSCo EISCAT_3D ELIXIR eLTER	EMBRC EMPHASIS EMSO EPOS EUFAR	EURO-ARGO EUROCHAMP 2020 EUROFLEETS EuroGOOS	HEMERA IAGOS ICOS INTERACT IS-ENES	JERICO-RI LifeWatch SeaDataNet SIOS
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The Earth is our Lab - Europe's Environmental Research Infrastructures



ENVRI-FAIR mission

Share experiences and find common solutions to:

- 🌐 data sharing
- 🌐 accessibility
- 🌐 interoperability

Develop joint services

Expose services to EOSC

Prepare ENVRI-hub

TRAINING



**EUROPEAN OPEN
SCIENCE CLOUD**





The Basics - FAIR Data and Service Provision

Findable 
Accessible 
Interoperable 
Reusable 
 +
Reproducible





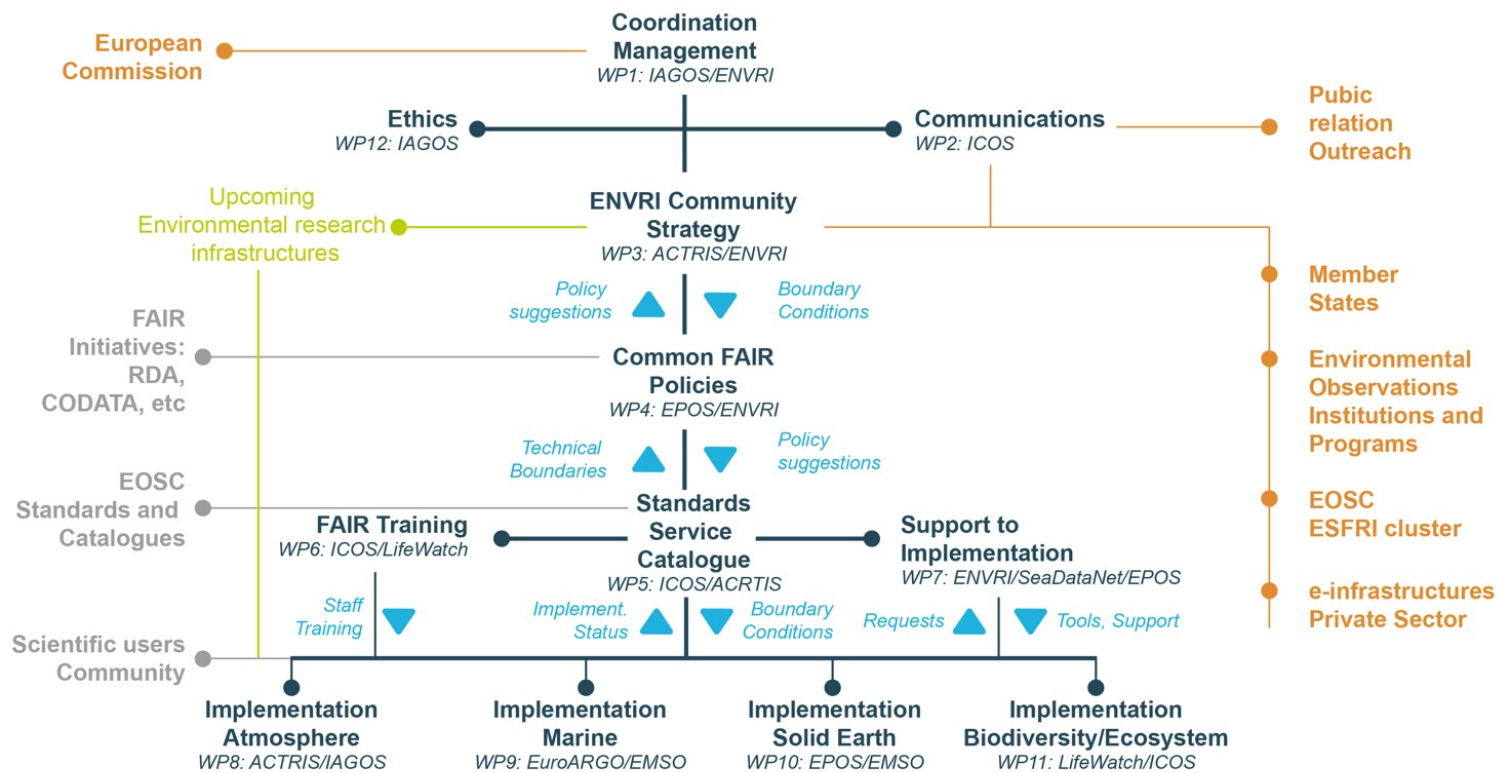
ENVRI-FAIR: Overarching Goals

- The primary goal of ENVRI-FAIR is the implementation and further development of services at RI and subdomain levels while ensuring the highest possible level of standardisation at the domain level.
- ENVRI-FAIR implies motivation to share solutions and strategies moving towards a shared approach to EOSC.
- The high-impact ambition of ENVRI-FAIR is to prepare the foundations for the successful implementation of a virtual, federated machine-to-machine interface to access environmental data and services provided by the contributing ENV RIs.
- This interface, the ENVRI-hub, will be realized as the services across ENV RIs and even between environmental subdomains become progressively more integrated.





ENVRI-FAIR: Work Flow





Training for & by the ENVRI Community

- Work Package 6 of ENVRI-FAIR: Training and capacity building
- Objective: to provide training to ENVRI and key ENVRI Community stakeholder groups about:
 - the FAIR principles & related legal and policy requirements
 - **implementation** in RI services and data management activities **at data center level**
 - assessing the degree of implementation using FAIR metrics

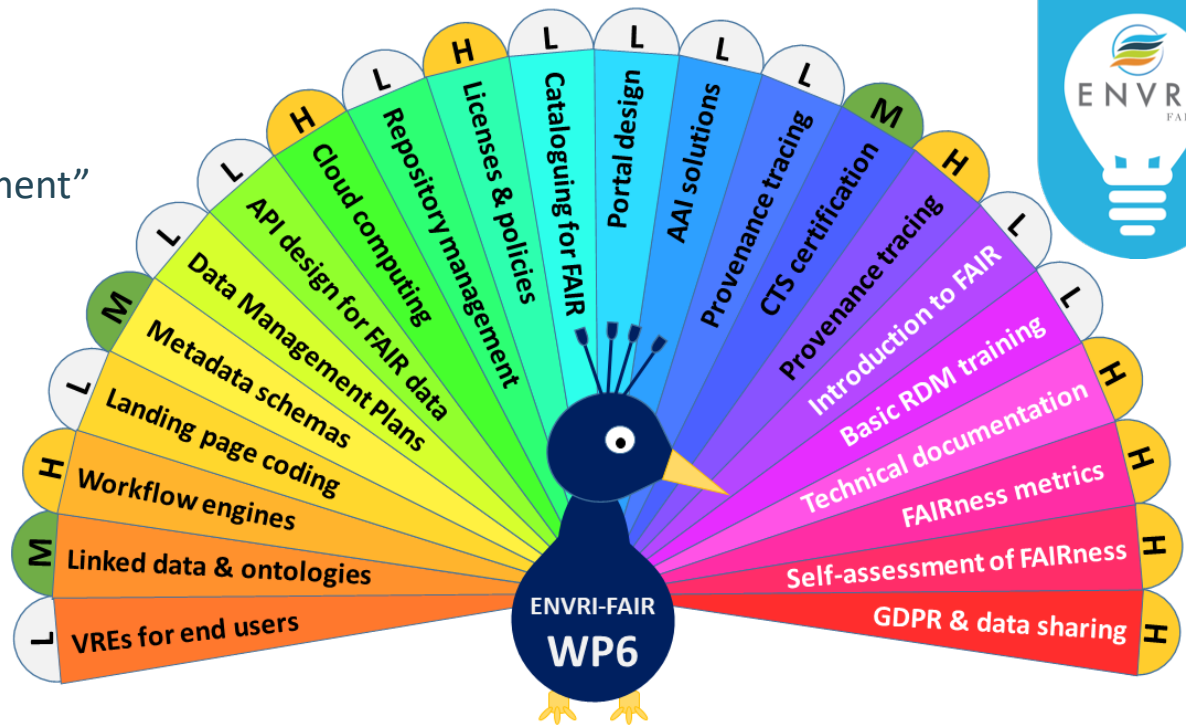




Topics for training

Topics to be considered

- 6 on “General FAIR”
(white labels)
- 16 on “Research Data Management”
concepts & technologies
(black labels)





WP6 activities

- Performing gap analyses (2019)
 - Current knowledge level in RIs & training topic priorities
 - Existing training resources
- The ENVRI “training hub”
 - New training resource catalogue
 - Updating training platform interface & functionality
 - Sustainable materials repository
- Development of training materials
 - Webinars
 - F2F training
 - Self-study materials





Training events so far

• Webinars & virtual workshops

- FAIRsharing presentation (December 13, 2019)
- FAIR the smart way (June 3, 2020)
- “Towards the winter school” (July 13 & 14, 2020 and September 22, 2020)
- Provenance webinar series (late autumn 2020 + early spring 2021)
- Winter school (January 2021)
- GDPR intro & PIDs for instruments (February 2021)

• F2F training

- Terminologies for ENVRI (February 5, 2020)



Ideas for training events & topics? Please let us know!



Elevator pitch



TRAINING

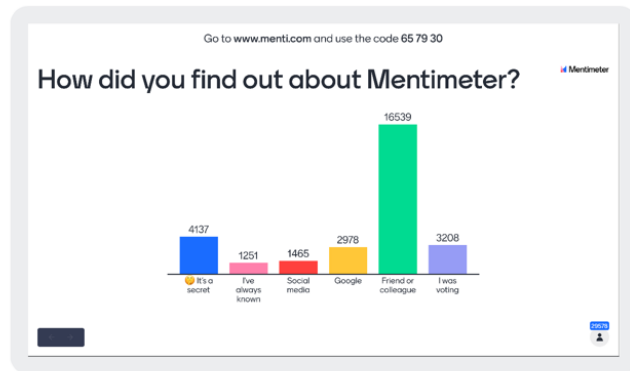




We will use some tools...



- Mentimeter (<https://www.mentimeter.com>), a web-based tool able to collect polls, data and opinions from participants using smart devices



Mentimeter

Please enter the code

Submit

The code is found on the screen in front of you

Powered by Mentimeter Terms

- Very simple to use:

- go to www.menti.com
- put the code found on the screen in front of you
- answer the questions

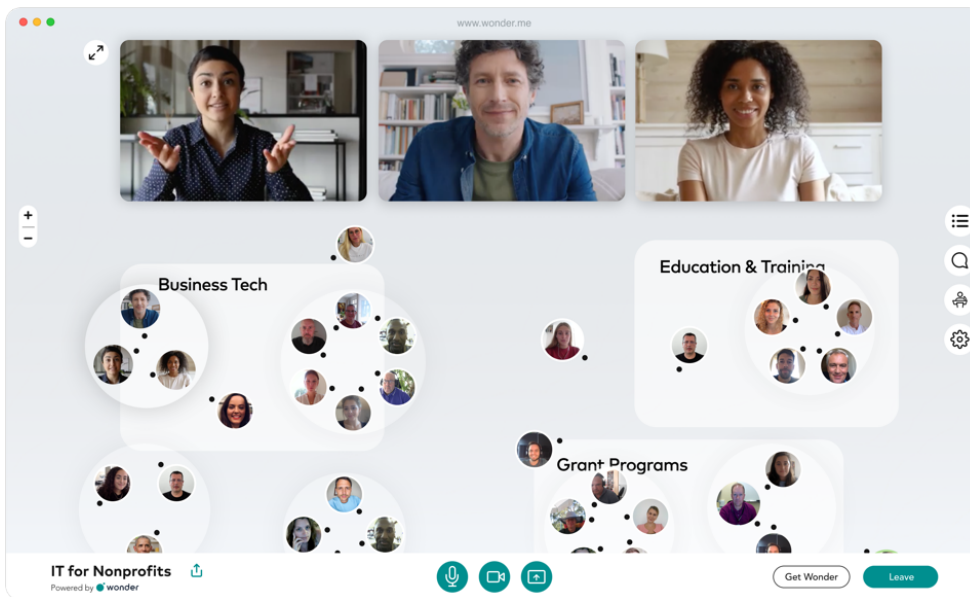




We will use some tools...



Wonder (<https://www.wonder.me>)



- a browser-based virtual space where people can meet and talk (no need to install software)
- by clicking or dragging your mouse, you can move around the room. If you get close enough to someone else, a videochat opens
- you can see other people moving around the space and talking to each other, but you cannot hear or see their conversation unless you stand in the small circle around them.
- in the bottom part of the page there are the common actions to mute/unmute the microphone, activate/deactivate the camera, share contents
- In the right part of the page there are the other controls (chat, settings, etc.)

TRAINING

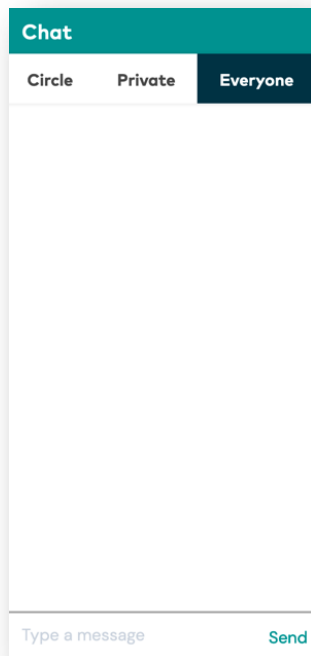




We will use some tools...



- The link to our room: <https://www.wonder.me/r?id=1eb7bc05-9894-422e-a139-00f86d9fd007>



- It does not work with Safari
- Up to 15 people can join one circle
- To prevent guests from entering our room, we set a password, hence you will be able to enter in the room if you provide the password beforehand:
- The chat can be opened by clicking on the speech bubble icon on the right. You can send direct private messages to other guests (Private), messages to all guests in your current circle (Circle) or else send a message to the whole room (Everyone)
- You are free to form your own little conversational groups as in a real coffee break
- FAQs: <https://support.wonder.me/hc/en-us/articles/360013499978-FAQs>





ENVRI
FAIR

THANKS



envri.eu/envri-fair



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[ENVRI community](#)



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