Bootcamp participants' lessons learnt

OpenAIRE Open Science Train-the-Trainer Bootcamps

www.openaire.eu

Your colleagues can be great teachers, not only while teaching, but while asking questions and sharing their experience too.

Irena Njezic

- So many important changes in the way we do research, in just the last decade (!) - open science, FAIR, GDPR, digitisation, which…
- …requires much from researchers and support staff, but:
- ‘We’re in this together’
- It was great to hear about the experience of others, get to know about many new resources & training programmes and…clouds!;)

Leon ter Schure

- Illuminate NOT Annihilate
- Relate NOT Dissociate
- Interact NOT Orate
- Cooperate NOT Segregate (yourself)

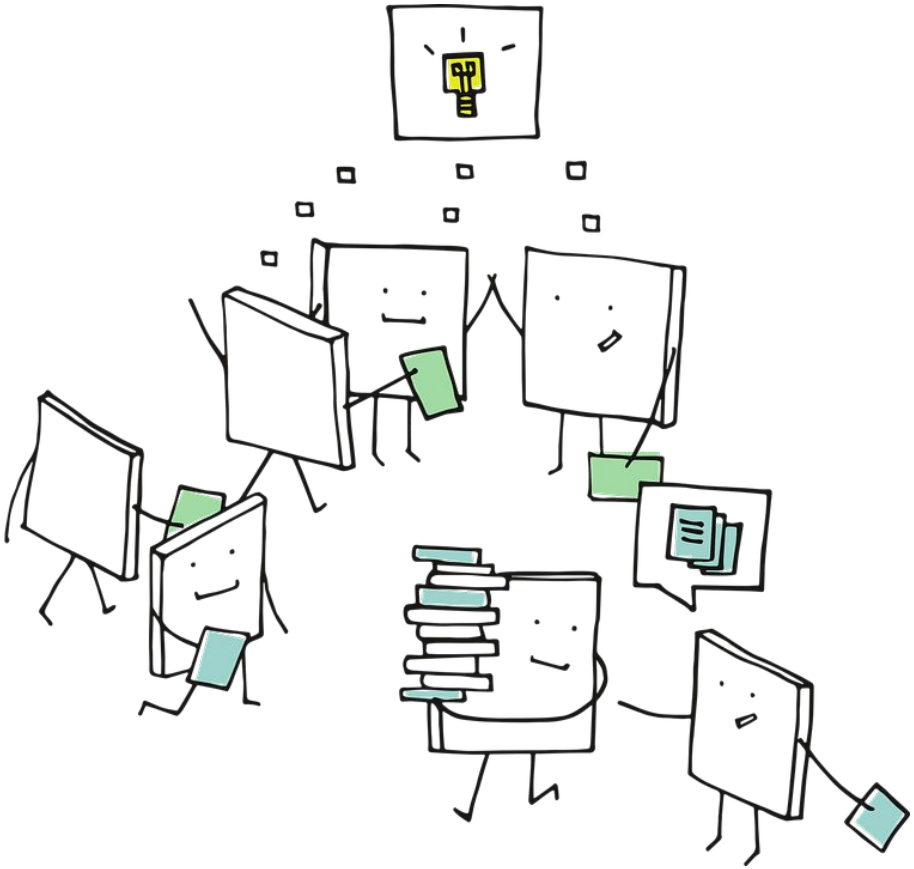
Martin Lochman

Build your network of colleagues and experts in various disciplines, countries and contexts

Mayya Sundukova

LL: Collaboration is key. Learning from others' experiences helps improving future trainings.

Valeria Di Cola



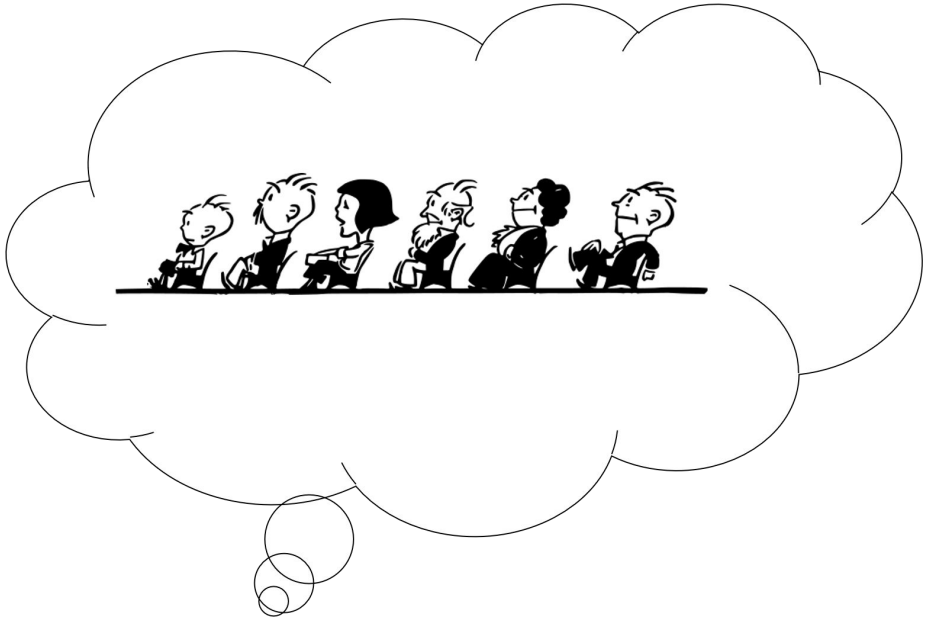
Think also about the design of the training not only the content.

Martina

https://pixabay.com/vectors/community-crowd-group-man-men-150125/

Crowdsourcing peer feedback on best practices (i.e. Team Science) has been key on the development of Open Science policy in all universities and research centers.

Pedro Hernandez Serrano



The first thing when preparing a training session is to consider the context and the audience you will be delivering it.

Irene

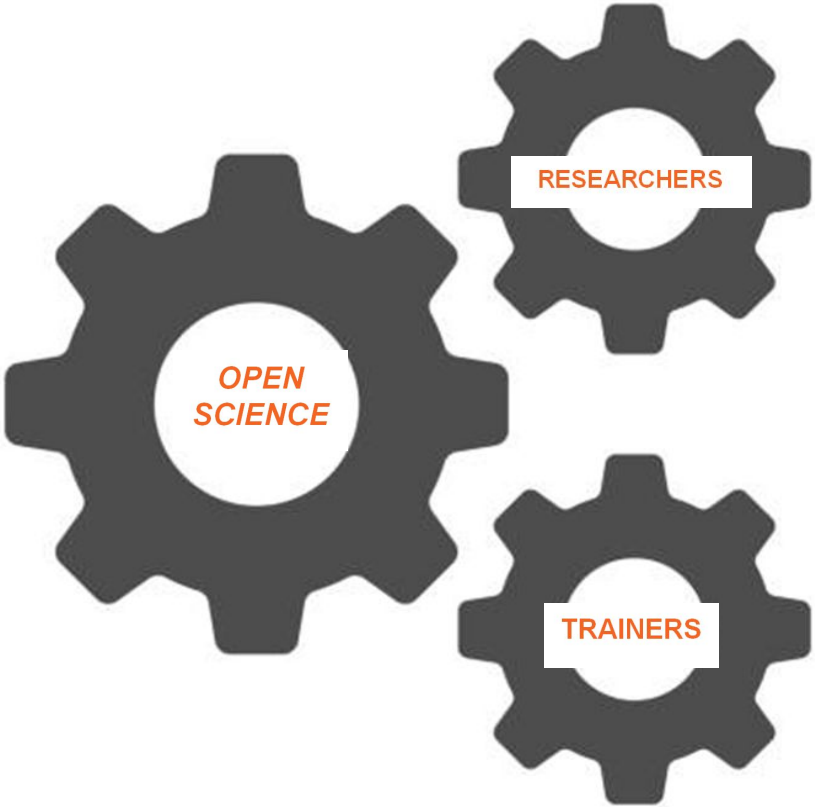
Open Science should not be a dogmatic stance. Every step towards it counts!

Margaux Larre-Perez

Credit: *Photo by Elviss Railijs Bitāns from Pexels*

Too much of anything is good for nothing. Trainings on open science should be served portionwise.

Gita Rozenberga



OPEN Science
Trainers-Trainers & Trainers-Researchers

-Connecting and interacting

-Exchanging ideas, knowledge and expertise

-Cooperating and networking

Vasiliki Rigakou

Explaining open science and getting researchers to embrace it is a long road with some challenges. But it is the right way to must follow!

Begum YAVUZ

https://depositphotos.com/stock-photos/sky.html

The important thing is to never stop questioning [or learning].

- Albert Einstein

Proper preparation prevents poor performance.

- Sorry, cannot remember who said this in this bootcamp…
Feel free to put your name here :)

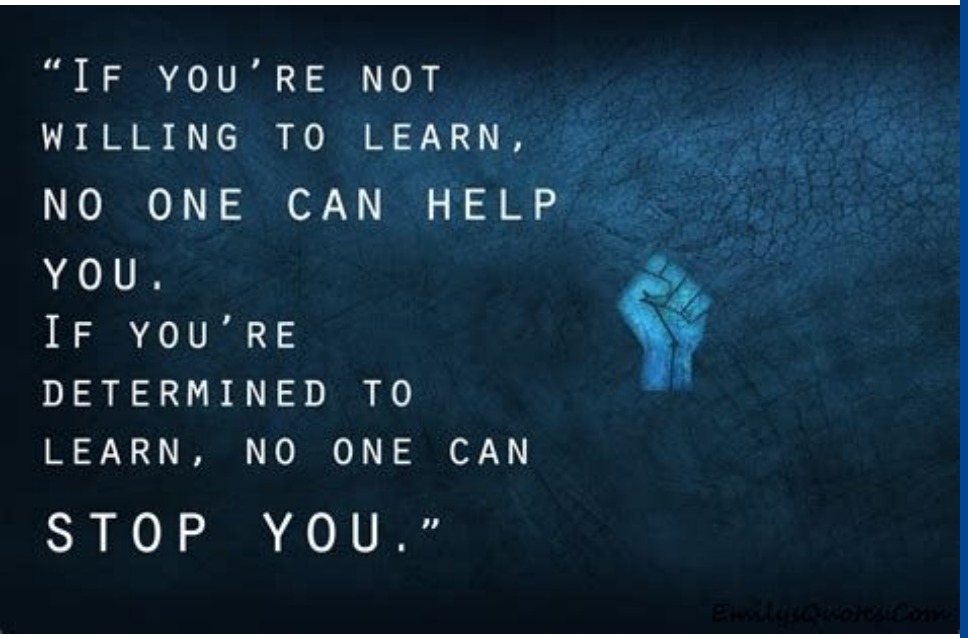
Vera Moitinho de Almeida

https://www.nature.com/articles/d41586-018-03071-1

Handling Training Challenges:

- Make the best use of the structured approach
- Do not obscure complexity
- Involve experts
- Use real-life examples

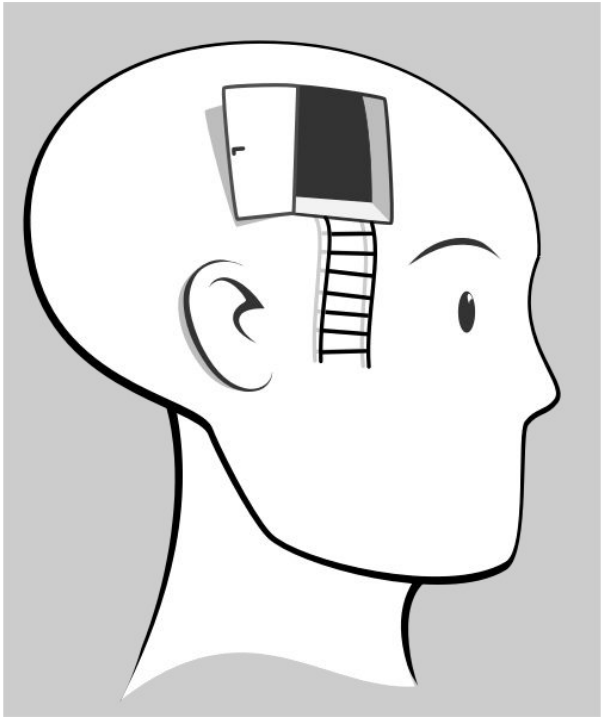
(Data Management Plan ppt by Milica Sevkusic)



You may not get an answer to every question you intended to ask. You will get answers to questions you didn't even know how to ask.

Dragana Radulovic

Image taken from https://tse4.mm.bing.net/th?id=OIP.XuDwcZkrFgS7qqWOwSo1ogHaE2



If today we succeed on training and advocating for Open Science, tomorrow it will be only Science.

Openness will be the new normal!

Elis Gabriela

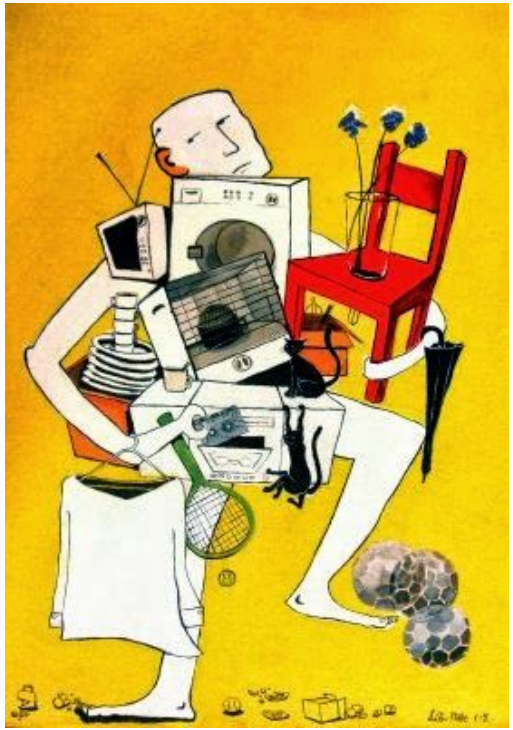
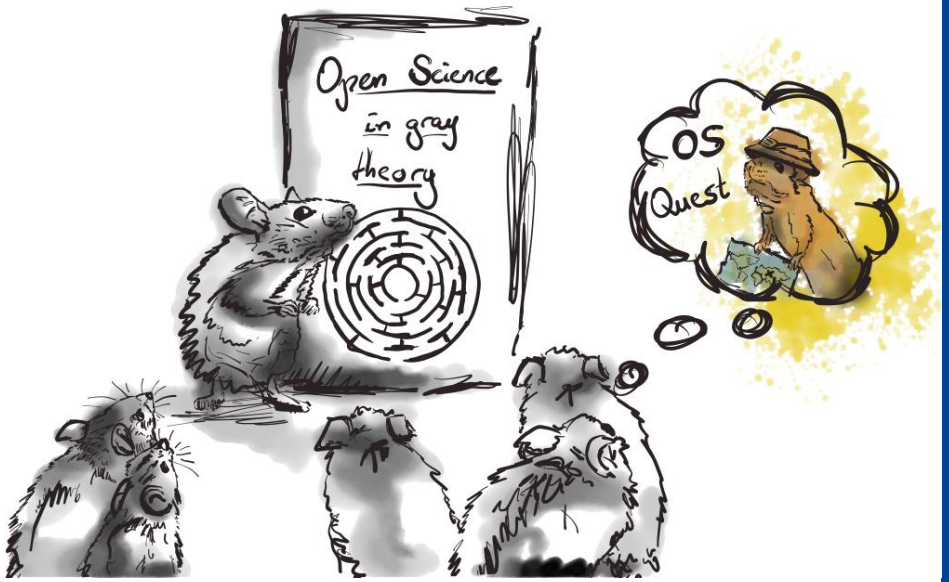


Image taken from https://blog.tiatula.com/2013/09/refranes-espanoles-quien-mucho-abarca.html

Open Science is a transversal topic with different dimensions. You do not need to cover it all at once .

Focus on what you know and enjoy, and remember that saying “I do not know” or “it is out of the scope” is ok.

Leyla Jael Castro



Open Science horror training is gray theory that does not engage the audience. Luckily there are alternatives.

Stephanie van de Sandt

Image: Gabi Fisova. 9.6.2022. CC0

IPR/RRS: Know THY rights!
(from the chat, don't remember who wrote it)

RDM: Language is a barrier - don't expect automatically that researchers know the terms like ontologies, standards for metadata/data etc. - EXPLAIN.

Technology won't fix poor training design.

Gabi Fisova

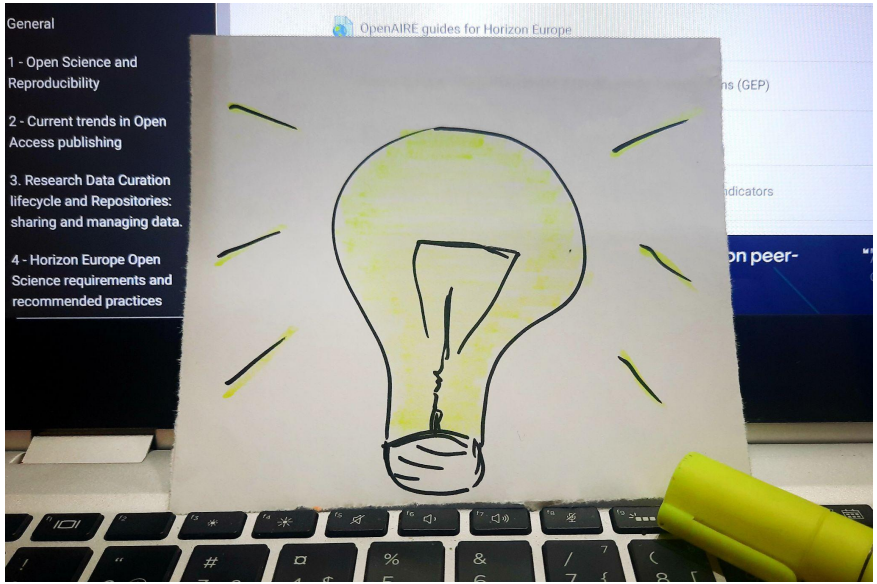


Image: Ana Đorđević

“Good reasons for Open Peer Review are transparency, speed, reliability, consistency, context and motivation.
There are many criticism on traditional peer review process, as we know it, and this could be an option, for example, for early career researchers.”

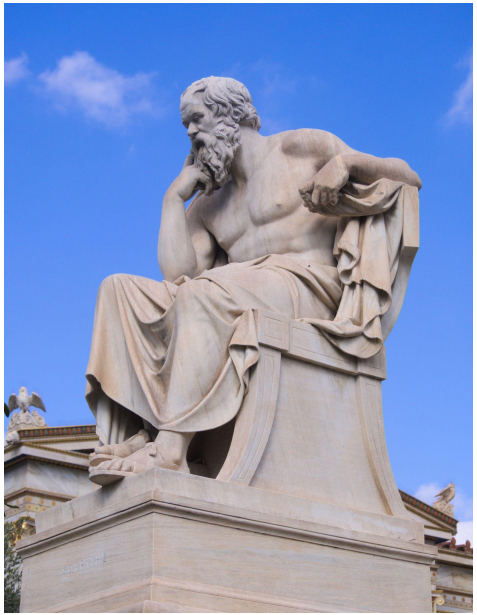
Antónia Correia

Ana Đorđević

https://www.sessionlab.com/blog/train-the-trainer-model/

It doesn´t matter what you know, but what you do with what you know.

Salima Rehemtula



As for me,
all I know is
that I know nothing.
Socrates

(Or let's be honest,

there is so much to learn for open science + training methods… it is a never-ending procedure

and this is exciting :))

Thank you OpenAIRE OS Bootcamp!

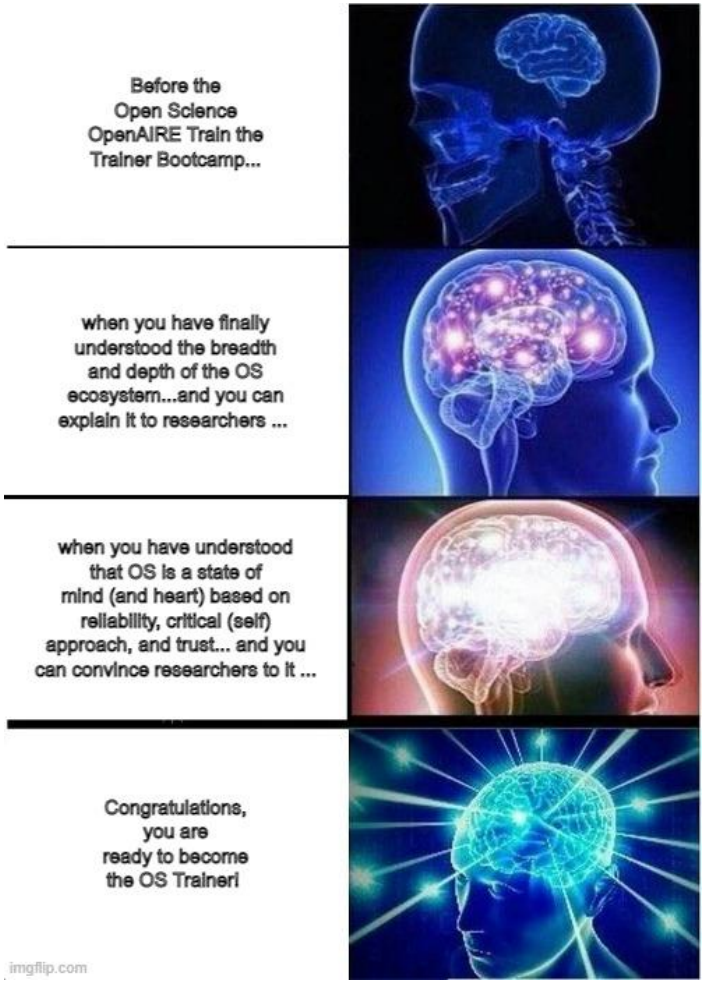
Katerina

Jon Tennant presenting in Ljubljana in November 2016

Bootcamp trainers and participants together are a treasury of knowledge and practical experiences on open science support.

https://www.quotespedia.org/authors/a/african-proverbs/if-you-want-to-go-fast-go-alone-if-you-want-to-go-far-go-together-african-proverb/

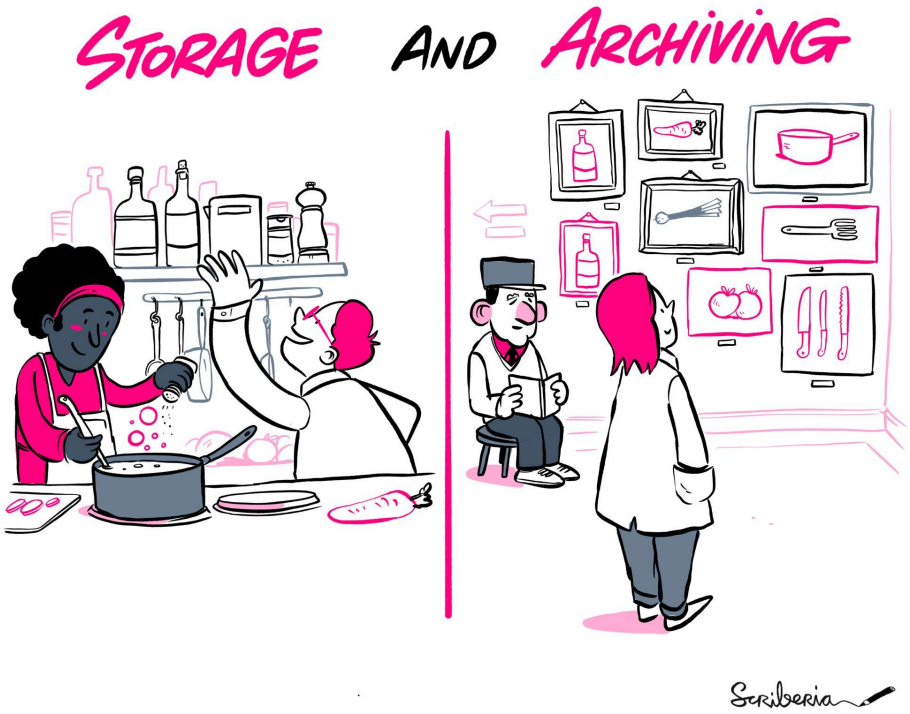
Mojca Kotar



Open Science enhance scientific equality in accessibility, reliability through transparency and the restoration of societal trust in research deliverables...name them data, metadata, publications, reviews, inventions, research findings, etc … It requires a structural and cultural shift in the way research is perceived and conducted.
It is why OS has to be implemented parallelly at global, regional, national and individual (researcher) levels…

So, it seems we have a lot of work to do … 😉

Natalia Galica



Context is key

Use simple but accurate explanations

Involve colleagues and experts as much as you can

Topics like Open Access may feel new and revolutionary, but they've been there for a long time

Lena Karvovskaya

TarikVision/Shutterstock.com

Interesting approach in delivering the myths and conceptions of OS to the trainee and participants to help us understand better.

Gamification in training increase engagement.

WOW FACT

I don’t know how much is the cost of Journal Subs / APC in Indonesia. Should try to find it!

Madiareni Sulaiman (Reni), Research Data Librarian, National Research and Innovation Agency, Indonesia

Open Science, the new 'normality'

Let's keep collaborating, keep dreaming, and keeping chasing the definition of Open Science

Laura Valeria Bonora

Open Science encompasses multiple spheres.

Allow yourself to learn and teach others step by step.

Good planning leads to good training.

Džalila Muharemagić, University of Bihać, Bosnia and Herzegovina

Image Credit: www.epictop10.com
Photo sourced from:
https://www.flickr.com/photos/182229932@N07/49019196696

There is no holy grail or 1-size fits all approach when it comes to Open Science. Identify what is relevant to your discipline, learn and adapt ideas from colleagues, and never seek perfection: excellence will do.

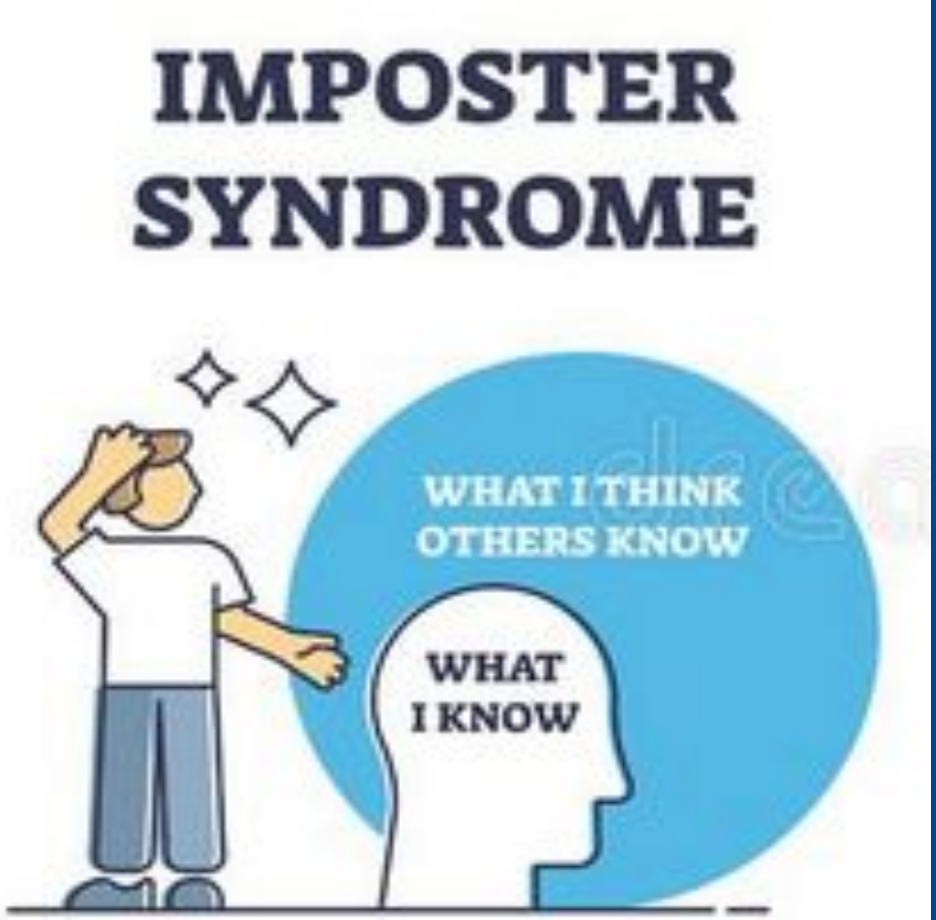
Fotis Mystakopoulos, Data Manager, R-NANOLAB, National Technical University of Athens

Contemporary Methodologies for Research Evaluation & traditional journal prestige criterion are a bane to adoption of Open Access publishing, if anything, university administrators are key stakeholders in transitioning to emerging Open Science research practices and principles prestige narratives ar

Tendai Mataranyika

“Inconsistent terminology tends to confuse Open Access messaging for researchers”

Tendai Mataranyika



Avoid the imposter syndrome when engaging researchers, and when justifying the need for DMPs depart from the bureaucratic stance and present them as part of good research practice.

Tendai Mataranyika

Takeaway from horror and hooray stories:

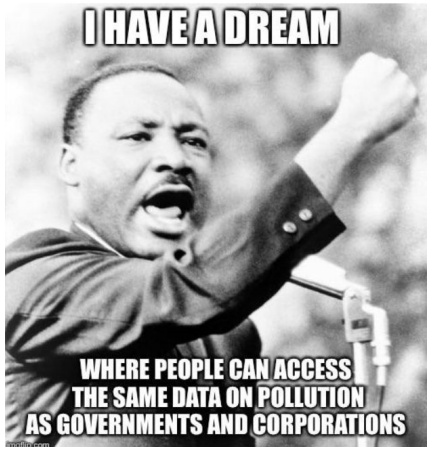
Be prepared for anything

Embrace the upcoming questions because they can lead to interesting conversations

Sanja

Adapt your speech and training material to your target audience

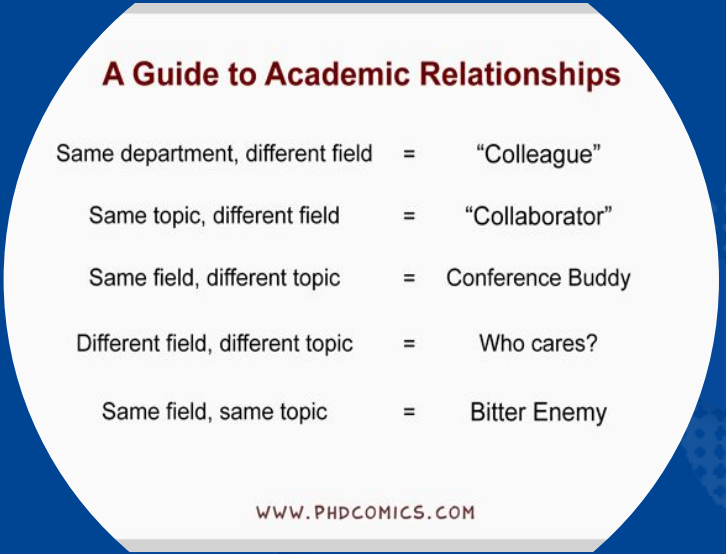
Sanja



Researchers understanding the availability, reproducibility and repeatability of data that is open can change perspectives along with the policy and rights of exploitation when this practice information is disseminated across well.

Nalina Hamsaiyni Venkatesh

Find use cases in an environment similar to yours. Researchers always follow their peers.



Bianca Gualandi (quoting Milica Ševkušić)

You don’t have to reinvent the wheel when preparing training content - there are lots of amazing resources out there for Open Science training once you know where to look!

Image: P. Tarnowski

Bryony Elbert Straker

OpenAIRE

Pick your battles when trying to engage opinionated academics. Some people will be resistant to open research practices and you will waste effort trying to change their mind.

Stavrina Dimosthenous

Photo by Clint Bustrillos on Unsplash

Open Science is moving fast - keep up to date *and* try not to freak out if you do not know something but ask your friendly colleagues.

Susanne Tönsmann

Photo by Windows on Unsplash

Open science is benefit for the scientific community and promotes collaboration and quality research. It is important to get the terms and rules right so that researchers understand and use them. It is necessary to describe the benefits and potential risks of publishing results and scientific data.

Pavel Koudelák

OpenAIRE

Write Intended Learning Outcomes for every session and build a lesson plan around delivering them

Robyn Price

OpenAIRE

Ask questions about their research and what matters most to them. Researchers love talking about their work - this is why we are supporting them! Open Research needs to be led by researchers, for researchers.

Jacqueline Vigilanti

Photo by Etienne Girardet on Unsplash

Use concrete examples in your training, i.e. examples to which your audience can relate (e.g. discipline-specific, institution-specific etc)

Florence Impens

Collaboration is one of the most important principles of open science.
A network of colleagues who are always ready to share, help and support will mean a great deal to you in reaching common goals for the benefit of science.

Barbara Konjevod

Photo by Everyday basics on Unsplash

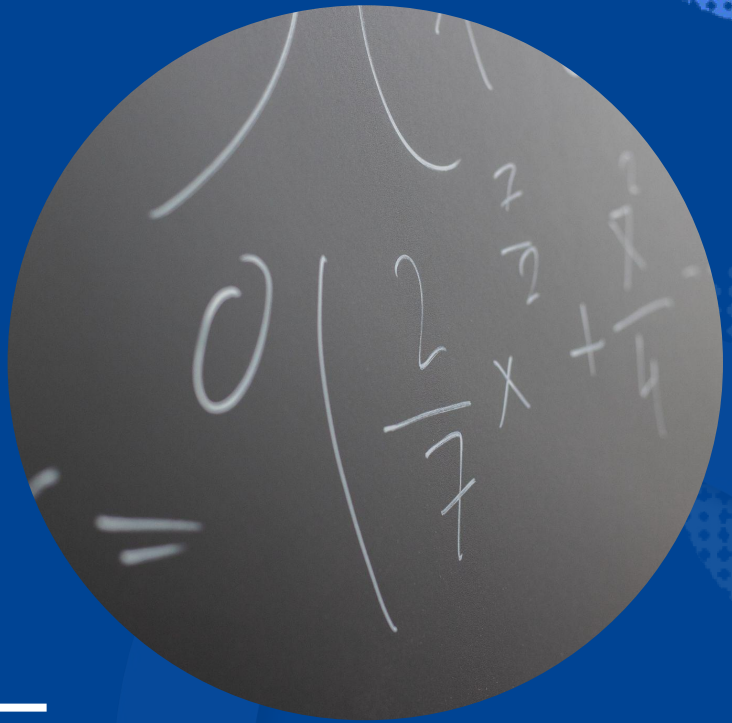
Careful not to overwhelm participants with too much content and too little time to explore concepts during hands-on activities.

Patricia Condon

Learn as most as you can about the type of trainees you are going to work with and learn also about their concerns to keep them engaged and to make them feel heard and understood.

Helena Vicente

Don’t take anything for granted. Researchers don’t know everything. Be well informed, concise and focus on the topic you want to share/promote.



Ifigenia Vardakosta

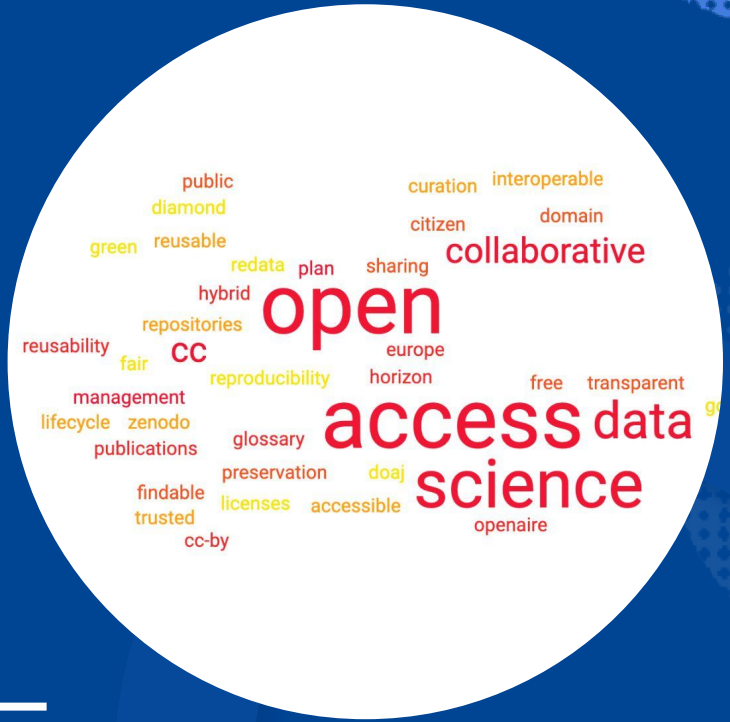
OpenAIRE

Use interactive teaching methods in your training. Audience are actively involved in the learning process by activities, assignment, etc. Promote an atmosphere of attention and participation.

Canan Tavluoğlu

OpenAIRE

Engaging trainees with practice sessions, breakout rooms and group works makes learning easier and effective



Laura Benassi

OpenAIRE

Teaching about RRS, involving participants with Menti and showing real life cases.

Silvia Sofianos

OpenAIRE

Open Science is constantly developing and evolving. Sign up to information sources such as mailing lists, newsletters, organisation updates in order to keep your knowledge current, and be aware of new tools or resources available to support your work.

Jenny Perkins

Collaboration should be more than a buzz word in Open Science. Cooperation with researchers should be a basis to build a common ground with researchers and Open Science Advocates.

Brígida Riso

OpenAIRE

“If I have seen further, it is by standing on the shoulders of giants.”
Newton
It is all about sharing the knowledge.

Mine Akkurt

OpenAIRE

Focus on culture change!
Different way of doing things needs time and patience.
Demonstrate Open Sciences practices with use cases and other examples whenever possible.

Obrad Vučkovac

OpenAIRE

Unexpected situations will always happen. The important thing is to stay calm and be positive and do your best...

Burcu Ersoy

OpenAIRE

There is an important difference between *depositing* and *giving access to data*.

AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY.

Amela Kurta

OpenAIRE

Language can be a barrier. Be careful of your wording and be sure to simplify and adapt your vocabulary to your trainees.

Martina Žugaj

OpenAIRE

Train yourself!

In an open science environment it is difficult to know everything and follow every development. Train-the-trainer camps are good opportunities to know that you are not alone in the challenges you face, to refresh your knowledge, to stay informed, to share your experiences and to stay motivated.

Burcu Bulut

Learning together

with building a network of **similar minds** makes the hardest **mission possible**!

Antonina Chaban

OpenAIRE

Use real life case studies!
What you say matters - but researchers will mirror each other’s practices

Lesley MacRae

OpenAIRE

Connect with early career researchers and emphasise the importance of Open Science.

Aaron James Worsley

OpenAIRE

Encourage interdisciplinary and transdisciplinary collaborations to enhance mutual understandings in Open Science.

Stefania Oikonomou

OpenAIRE

“Open science” means an approach to the scientific process based on open cooperative work, tools and diffusing knowledge

Fadime Taşçı

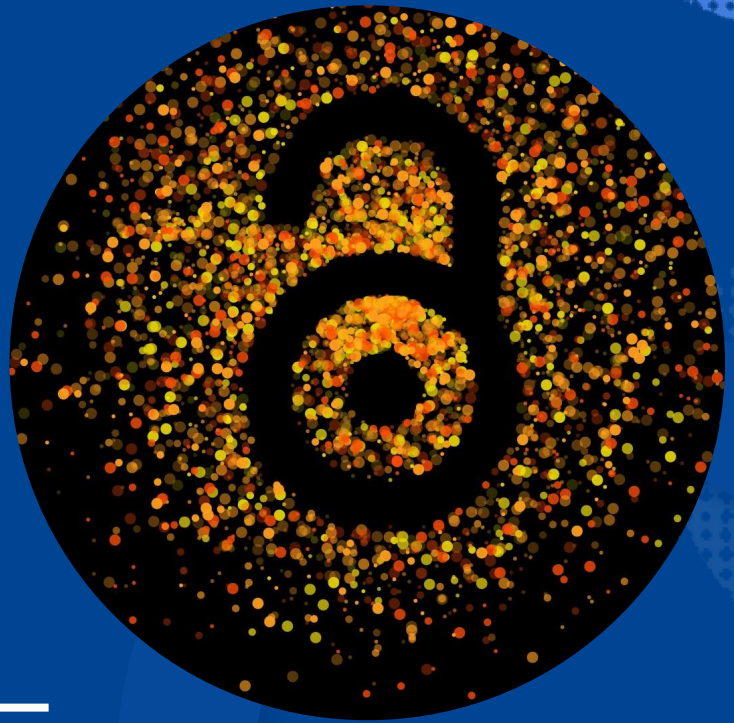
OpenAIRE

Engagement is the most important aspect of training

James Normansell

Photo by Patrick Perkins on Unsplash

Different international audiences have very different experiences (such as different “normal” Open Access routes) depending on where you’re based. Sharing our varied experiences is a great way to understand the Open Science landscape and design excellent training.



Clare Foley

OpenAIRE

Fostering Open Science means advocating for a culture change – it is hard and slow. Exchange and mutual support in our community is key to success.

Paula Samsó

OpenAIRE

Be empathetic and understanding to young researchers. Their decisions are not just ethical choices. They are often a compromise between their "moral compass" and the requirements of the institution where they are employed.

Source: High Impact PhD Memes @MemingPhD

Beata Koper

OpenAIRE

For researchers to become open to open science, not only as an idee, use vivid and direct examples for presentation in training, that will be relevant to the researcher's work (link to their direct work, to the specifics of the discipline, etc.).

Foto:
https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSEMc5bFeXBGXMslflF6GClBfirpg1C0Ksvmw&usqp=CAU

Martina Kerec

OpenAIRE

Open science is the future of academia and the key to the success is to exchange knowledge and embrace the change that is happening.

Magdalena Wnuk

OpenAIRE

Plan based on learning outcomes rather than objectives!

Marija Maksimovic (Iryna Kuchma)

Open Access benefits everyone. Retain your rights.

It’s good for you, for science, and for society

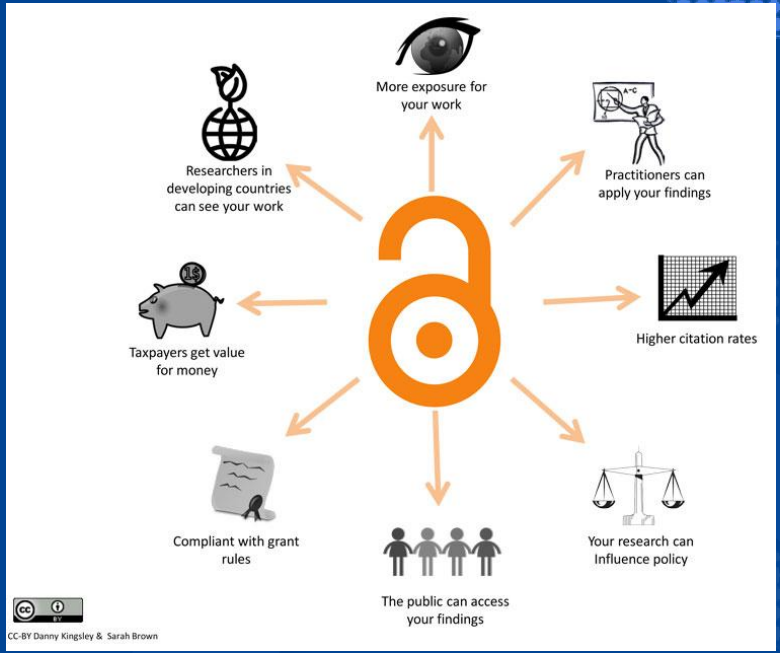
Rights Retention Strategy (cOAlition S)

Iliana Araka

Image Credit: Andrea De Santis via Unsplash

OpenAIRE

Finds a way of training that fits your audience.



Pasquale Del Vecchio

It is essential that the next generation of researchers adopt open science practices from the get-go.

Milica Ninković

Photo by Jon Tyson on Unsplash

OpenAIRE

Training can be draining

Design your training to give participants time to reflect on their own practice and to leave them motivated to change it when the opportunity arises.

Steve Boneham

Tailor the messages to your audience as much as possible and keep them simple

Germán Infante

Balance is key!

Make sure your efforts are worth the outcome

Enable the researcher, but don’t ‘spoon feed’ them

The right information at the right time

Lindsay Dowling

OpenAIRE

Make it worthwhile for you and them & continue dialogue

The training should meet at least one of their needs but also your needs!

Post-event, continue the dialogue/keep in touch!

Helena Korjonen

Realisation of the sometimes very large differences between the theory and practice.

Renske Gudde

OpenAIRE

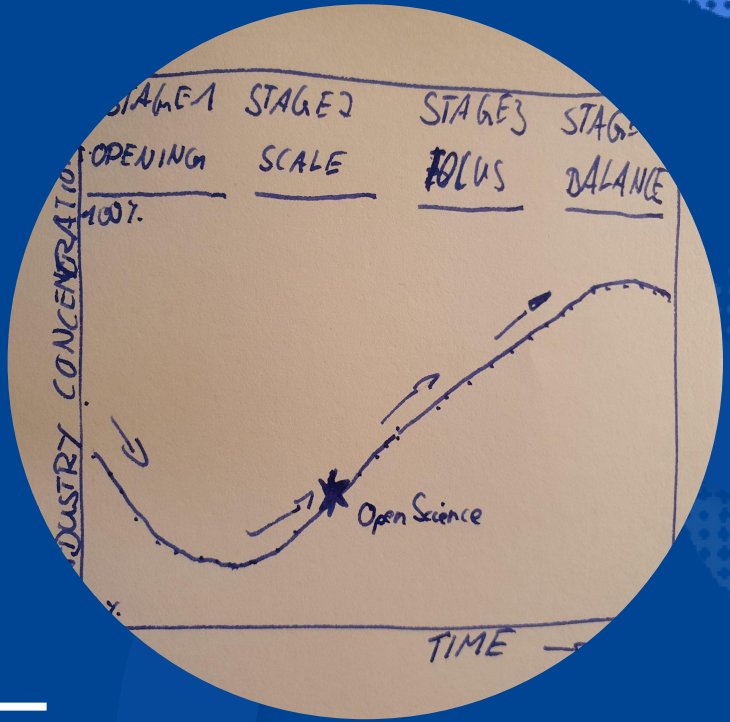
Explain, Dispel & Show

- Explain the topic as simply and clearly as possible
- Dispel myths & misconceptions
- Present useful tools & show researchers where to find relevant materials

  + Use real-life examples and use cases

Penelope Weissman

The Open Science landscape is rapidly evolving. One person cannot cover every aspect. Key is to keep a good overview, build up a network, and help each other.



Lisa Knoche

OpenAIRE

What about the  ?

Know your audience
Read the funder requirements
Follow real life examples
Use recommended tools
Try to make learning fun
Work together to find the solution

Data sharing

The focus should be on sharing scientific research data wisely!

Erika Kurucz

Use gamification to motivate and engage your public.

Online education must be interactive and dynamic.

Kristina Posavec

OpenAIRE

“Try to compare the innovative approaches to the traditional venues”

“ Present new tools”

Workflow as a research output, WorkflowHub !!!

Argyro Frantzi

OpenAIRE

Community-based Research

- utilise social media and AI in the changing research cycle
- create community-based projects based on participation, inclusivity and open science
- reach out to new social groups and engage them in collaborations

Bence Vida

We need to find the right balance in using and implementing AI as well as OA regarding documents and datasets, reviews.

Ljiljana Radisavljevic

OpenAIRE

Let´s talk about OS…
Don´t panic!

- Keep calm, clear and organized
- Keep you updated on new trends and tools
- Improve your communication skills
- Study your audience
- Balance theory and practice
- Introduce use cases
- *Less is more*

Marisa Pérez

OpenAIRE

Understandibility

Always put a README file into the deposited research collection to meet FAIR principles – so important!

README files sometimes talk more to people, because we've been used to it much longer, than to DOCUMENTATION – so true and what an idea!

Key is to get closer to researchers even by the terms used.

Julia Egyed-Gergely

Image by Andrea Piacquadio on pexels.com

Let’s stay OPEN and learn from each other!

So whenever you need help or support contact a colleague.

Together we can solve complex problems better!

Ursula Ulrych

OpenAIRE

Vision to reality?

Implementation needs investment and incentives (from/for individuals and institutions).

Meet your audience where they are. Different audiences have different needs, interests and level of knowledge. Adopt & adapt.

Jenny Ostrop

- Don't skip the design stage!
- Adapt interactions to suit different situations (eg. is gamification appropriate for my audience? do I have enough time?...)
- Open science ideas and practices can contribute build a more trustworthy AI (RDM importance for the quality of open data, focus on the importance of explainable AI, proper regulation etc.)
- DMPs are structured documents - not essays :)
- The importance of diversity.
  Recognize that what one person likes may not necessarily be liked by others (eg. the case for social justice arguments)

Gina Pavone

OpenAIRE

- Open Science is complex and there are no perfect shiny solutions
- It’s a culture change - we need to be patient, and most importantly, to discuss the changes in depth and considering the different perspectives
- Being a trainer is not a simple task and requires being up-to-date with the current developments, but also being humble about not knowing things (yet).

Eduarda Centeno

OpenAIRE

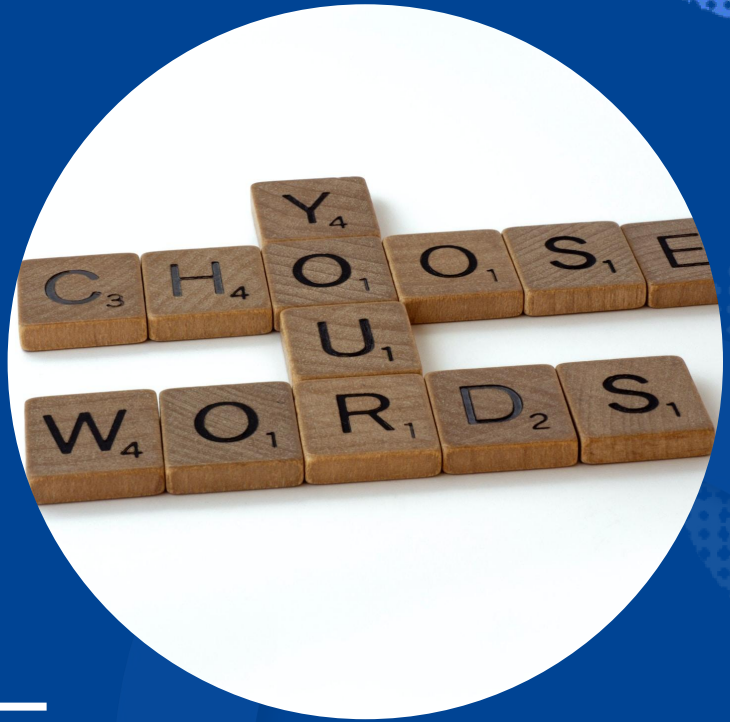
We need to collaborate!

- Plenty of skills are needed on Open Science, let's work together!
- Planning your training with your audience in mind and, if possible, do specific sessions for each one.

Anna Caellas

Image by vectorjuice on Freepik

Try giving definition without giving definition



Rasa Dovidonytė

OpenAIRE