

Open Science is the new normal

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RDA Norway Networking event: Implementing cultural and structural change



“Publishing research without data is simply advertising, not science”

Graham Steel

Not only publications

Science is also:

- data
- software
- protocols
- negative results
- lab notes
- project deliverables
- and much more...

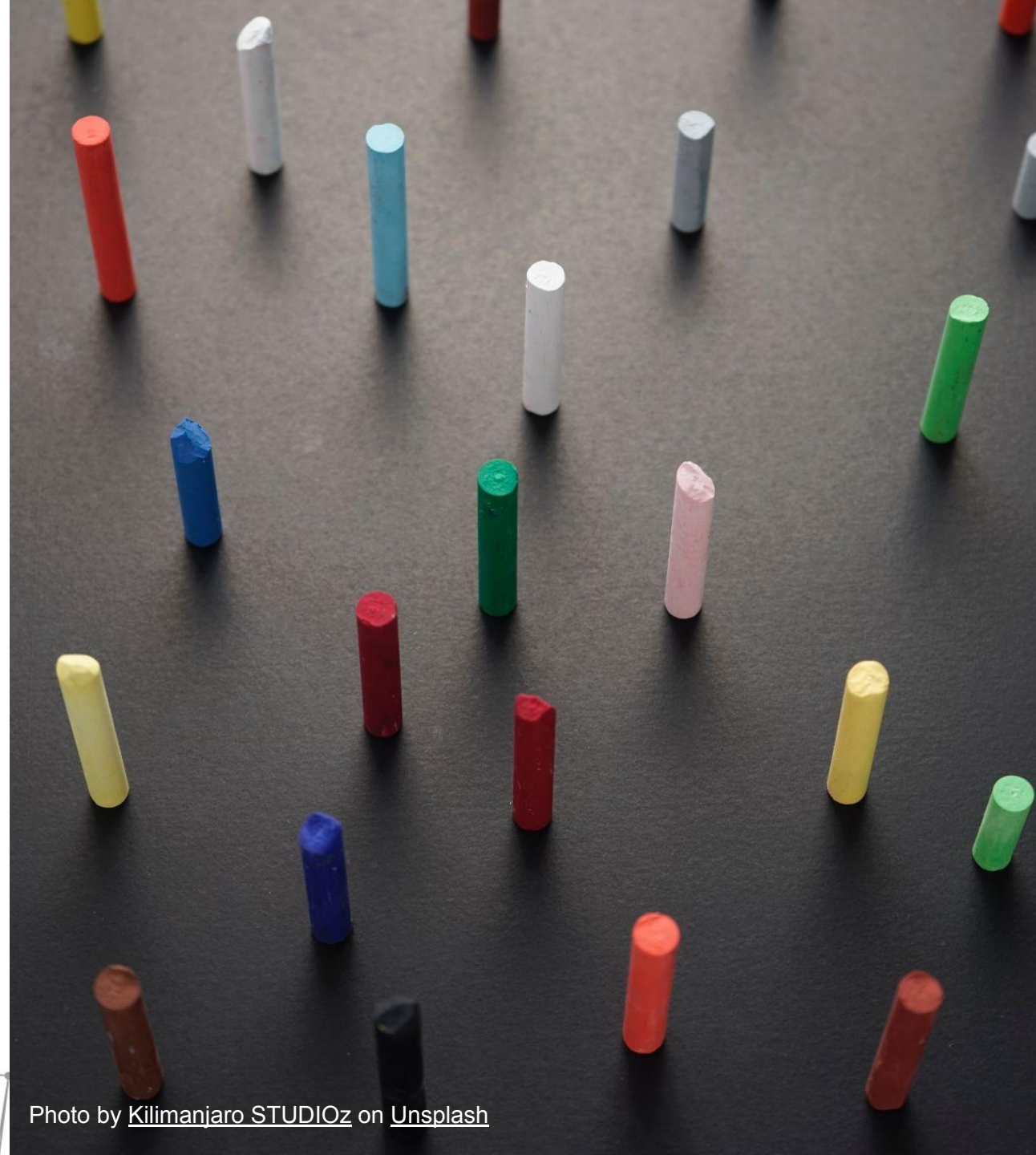



Photo by [Kilimanjaro STUDIOz](#) on [Unsplash](#)

**Research actions, skills and outputs other than publications:
if not shared they simply do not exist
and do not enter
the research lifecycle**

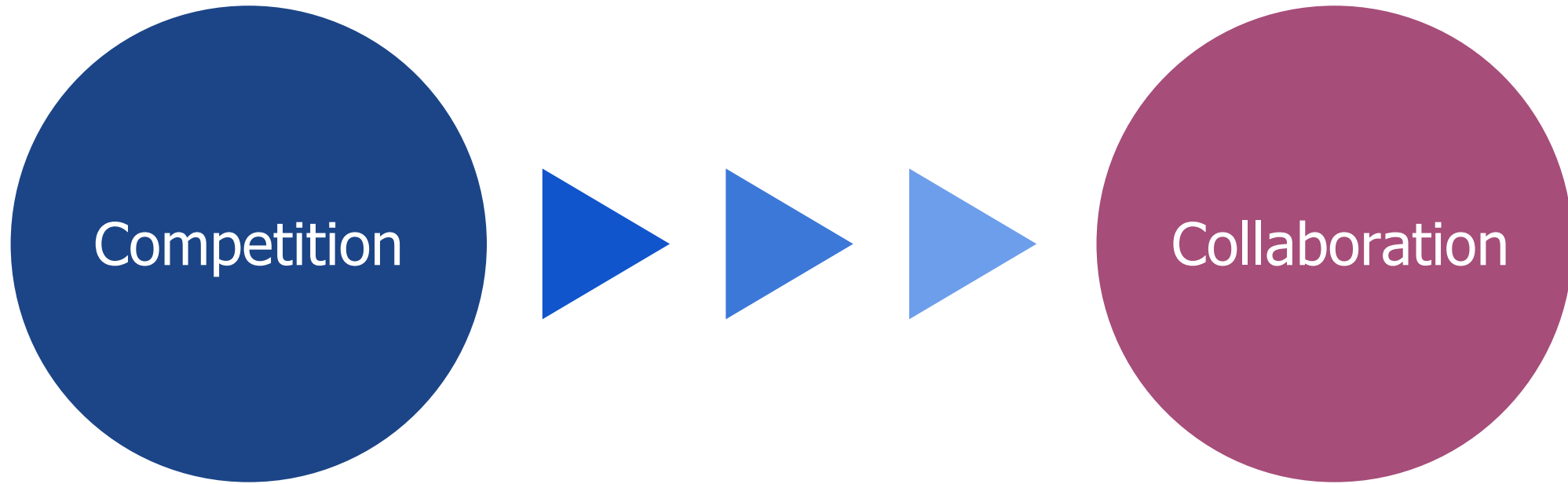


**WE ARE NO MORE
DISCUSSING
ABOUT THE
OPPORTUNITY:
OPEN SCIENCE IS
THE NEW NORMAL**



Yes, we are
OPEN

A change in the approach



Open Science Components

Open as much as possible
each step of the research activity



[Unesco Open Science brochure](#)

Do we need a Super-Researcher?

Do not harm! single researchers do not have to be experts in everything, instead, they need to:

- be aware of their social role and rights
- be able to work in an environment that allows them to implement open science practices
- have the skills to practice open science



Photo by Kerwin Elias on Unsplash

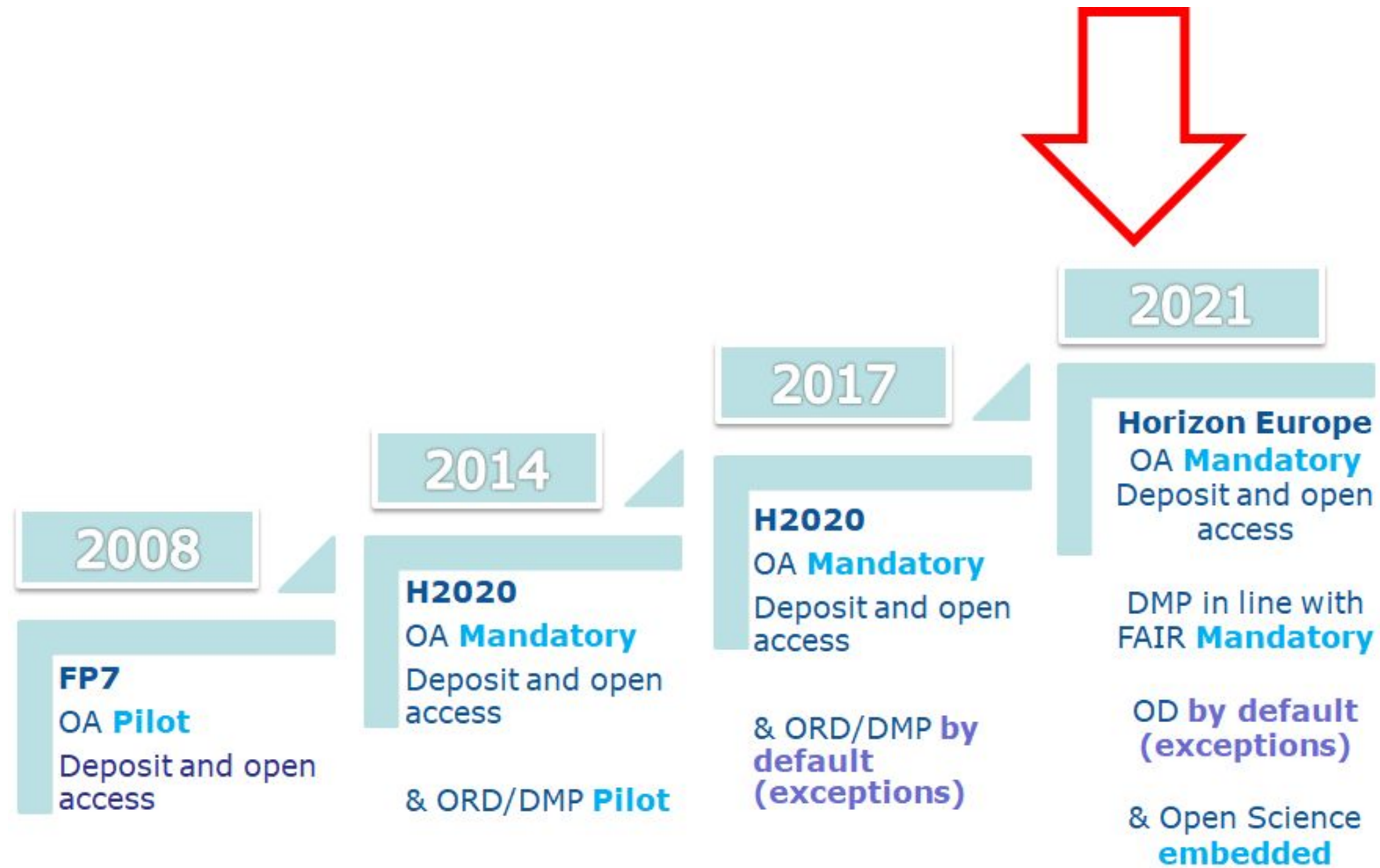
**We need team work,
recognition of skills and competencies
and credits for each contribution**



The example of the European Commission

Open Science from a funder perspective

The European Commission and Open Science



Evaluation focus

In Horizon Europe the proposal and the results are evaluated under the Open Science Perspective

What

Results must be managed in line with FAIR principles and as open as possible as closed as necessary

How

Methodology must show Open Science practices are embedded

Who

Single Researchers and Consortium are evaluated for their capacity to support Open Science practices

HORIZON EUROPE **LEGISLATION** defines three types of impact, tracked with Key Impact Pathways



Open Science practices



early and open sharing of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing)



research output management including research data management



measures to ensure **reproducibility** of research outputs



providing **open access** to research outputs (e.g. publications, data, software, models, algorithms, and workflows) through deposition in trusted repositories



participation in **open peer-review**



involving all relevant knowledge actors including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science)

Tools are key



Open Research Europe

- It is not a Journal, it is a **publishing platform**
- The **aim** is to give researcher a venue where to publish the results of their research funded by the EC, irrespective of the perceived level of interest or novelty
- **Confirmatory or negative results**, as well as null studies are suitable
- The **scope of the Peer Review** is not to reject or accept a result but to improve its publication thanks to a collaboration effort among experts
- The **Reviewer role** is to assess whether the research is technically sound and of academic merit.
- Only H2020 and Horizon Europe results are **eligible**
- **Open Peer Review**



Cultural change



References

- [1] Victoria Tsoukala, PhD - DG RTD Open Science (Unit G4) - PUBMET 2019, Zadar, September 19th, 2019, <http://pubmet.unizd.hr/pubmet2019/talks/fit-for-purpose-shaping-open-access-and-open-science-policies-for-horizon-europe/>
- [2] Angelica Marino, April 21, 2021, Webinar: A successful proposal for Horizon Europe: Scientific-technical excellence is key, but don't forget the other aspects, <https://ec.europa.eu/research/participants/docs/h2020-funding-guide/other/event210421.htm>
- [3] EU Grants AGA – Annotated Model Grant Agreement https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf
- [4] Victoria Tsoukala, April 21, 2021, [Webinar: A successful proposal for Horizon Europe: Scientific-technical excellence is key, but don't forget the other aspects](#)

Tusen Takk!

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