

Where are we in Open Science, and where to go from here?

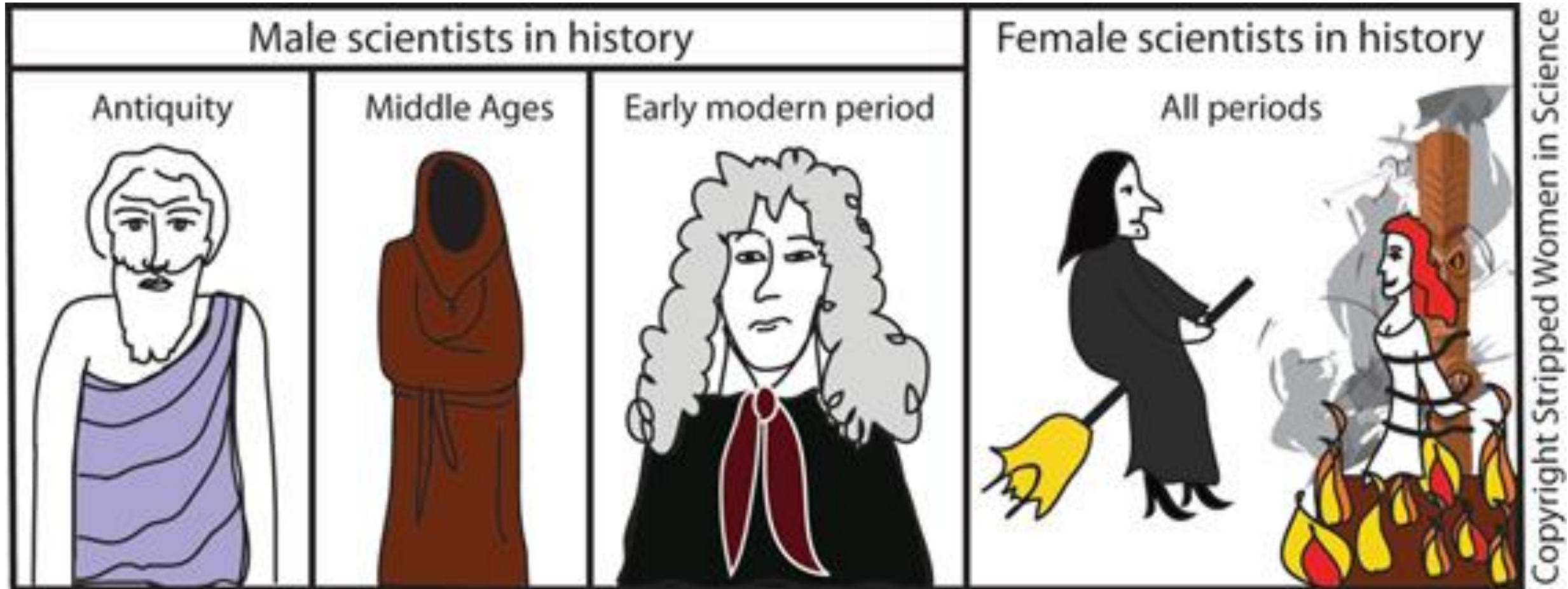
Prof. Dr. Eva Méndez

Deputy Vice-President for Research Policies. Open Science.

Universidad Carlos III de Madrid


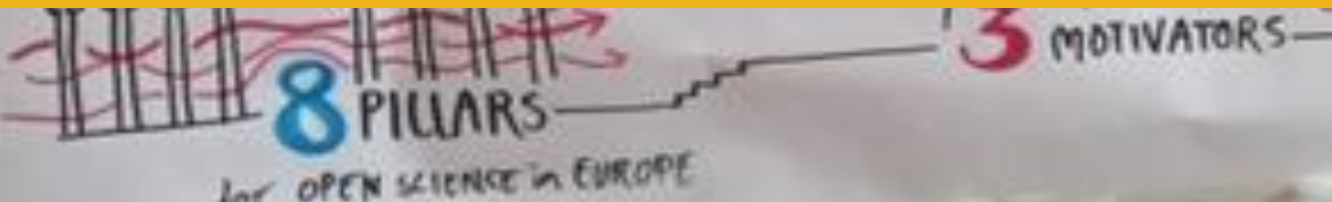
Chair of the European Open Science Policy Platform

BTW... Happy #IWD!!



Source: <http://strippedwomeninscience.blogspot.com/2011/02/women-in-science-historical-outlook.html>



- 
- for OS & RI?
- DOES OS & RI really GO HAND in HAND?
- PROF. DR. EVA MÉNDEZ
- WE ARE RESEARCHING with TAXPAYERS' MONEY. WE NEED to GIVE BACK.
- OPEN SCIENCE KNOWLEDGE
- WRONG WORDS... RIGHT BRAND
- THERE IS ALWAYS A TEMPTATION to only show WHAT SUITS US...
- CHALLENGES
- DARLING, WE NEED TO talk
- TENURED YOU MUST BE an excellent OPEN SCIENTIST!!
- Where we are: Final report of the EU-OSPP
 - From Declaration mode to Impementation mode... (PCI)
 - But still, we (everebody) made recomendations for OS
 - Where to go: ... HORIZON Europe!
 - Are we just changing the date or... Do we really have a new horizon?
- 
- 8 PILLARS for OPEN SCIENCE in EUROPE
- 3 MOTIVATORS

Where we are: Just a reminder!! ...

Science

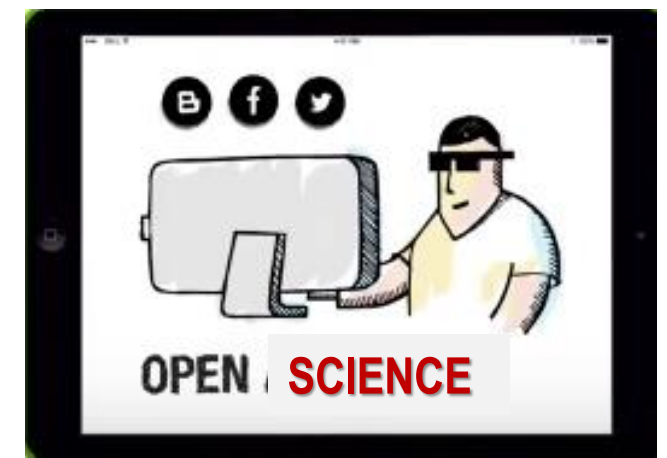
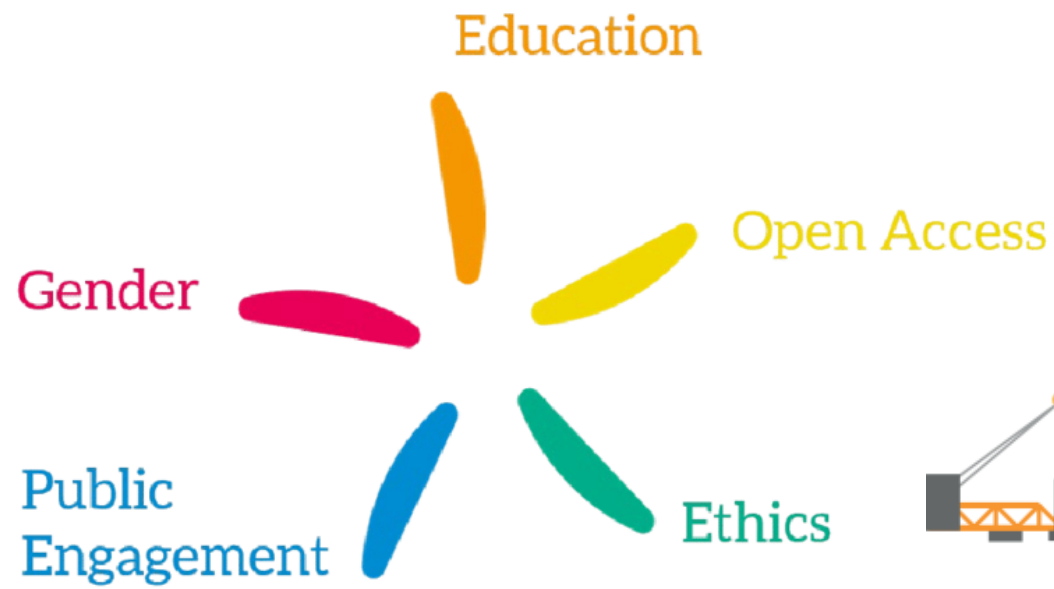


The web is for everyone and collectively we hold the power to change it. It won't be easy. But if we dream a little and work a lot, we can get the web we want.

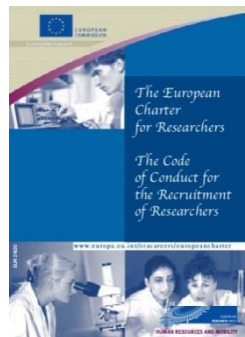
Sir Tim

<https://webfoundation.org/2019/03/web-birthday-30>

What's next #ForScience

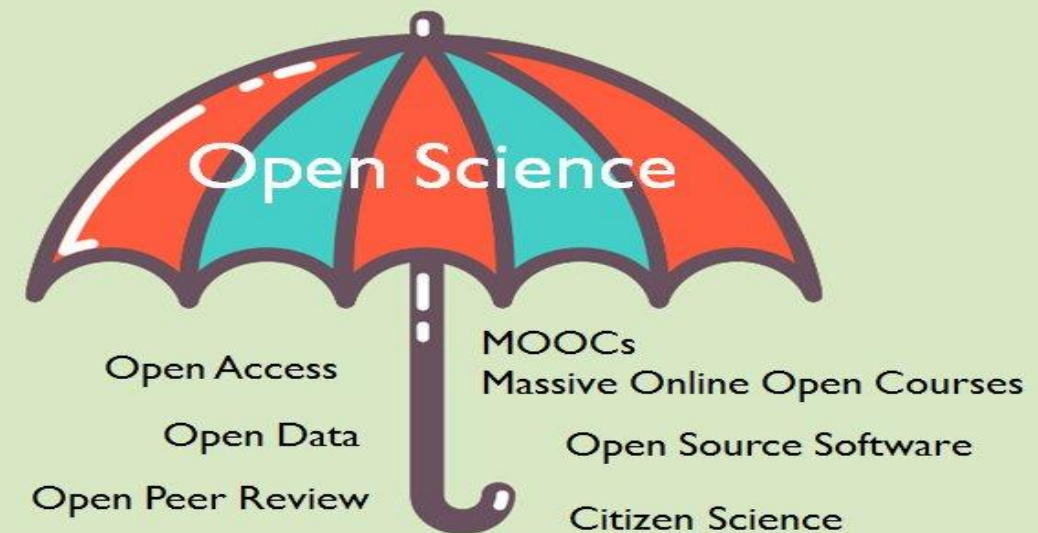
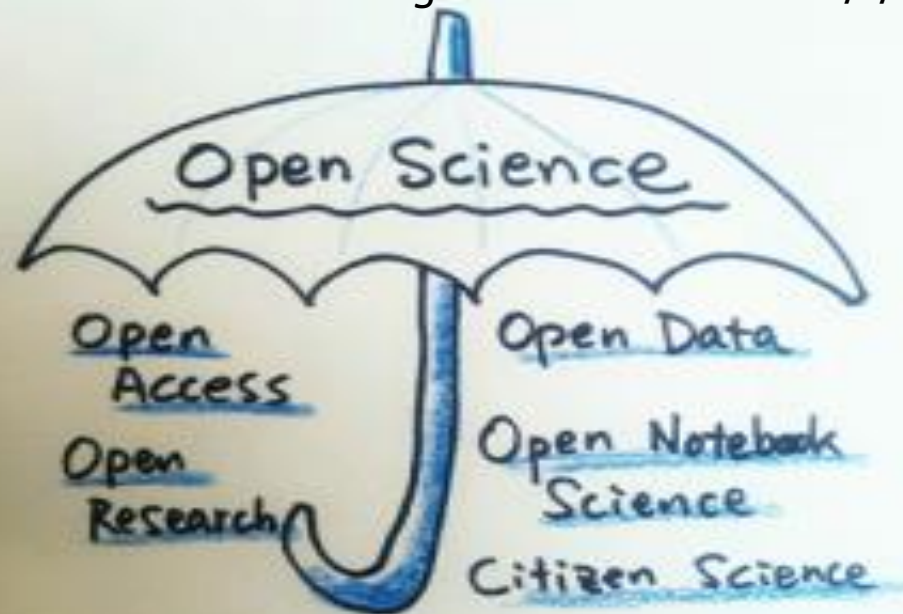


... Where **openness** and **transparency** are an integral component of the research and innovation process

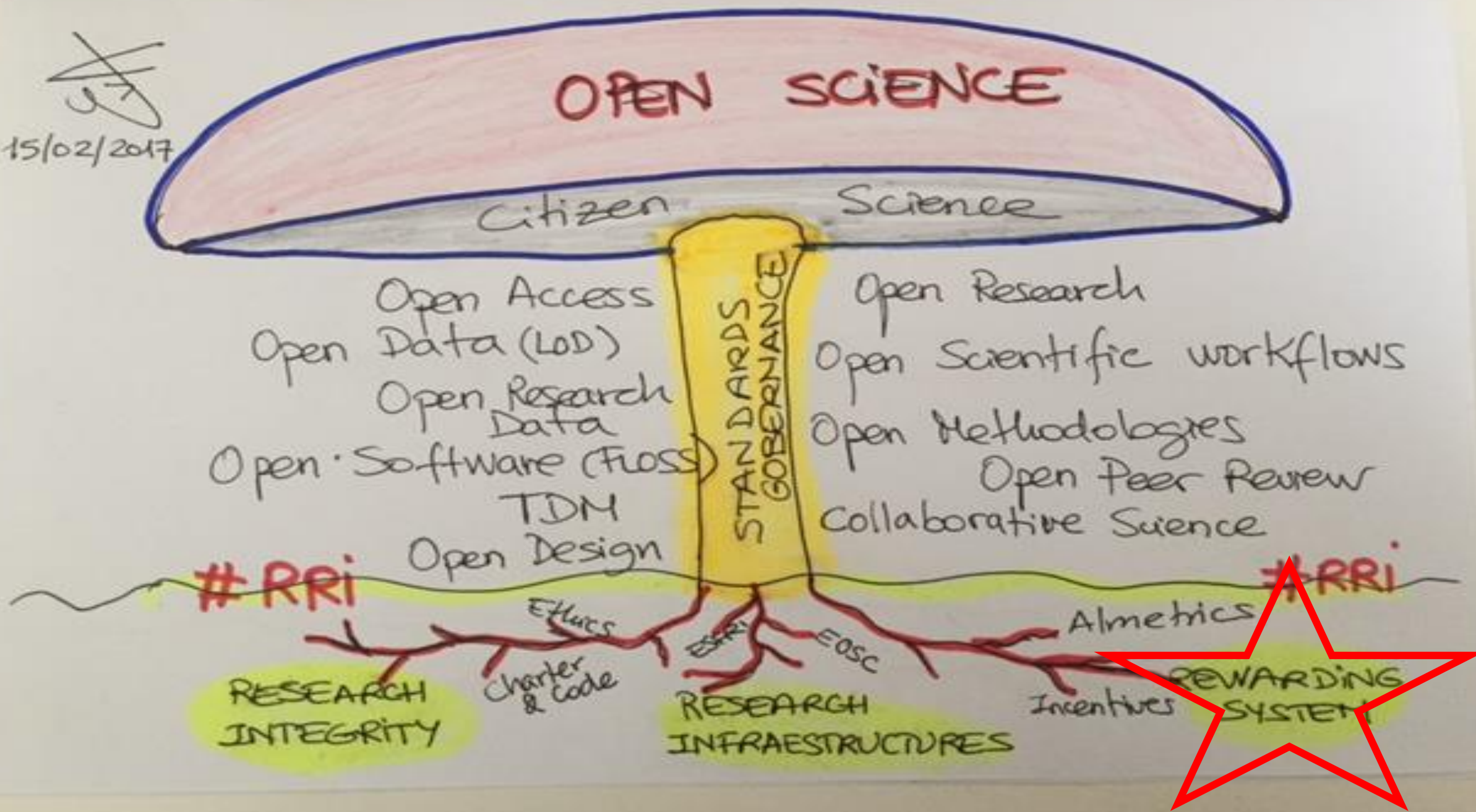




Open Science Umbrella. Image credit: Flickr user 지/우 황 CC BY 2.0




15/02/2017



Where we are...




Where YOU are...



About DORA ▾MeetingsContact

The DeclarationSignersCase StudiesResourcesBlog

Sign Dora



CASE STUDY

Universities Norway


Interview conducted 13 October, 2020

COMPARE CASE STUDIES

As a part of a broader action plan on Open Science, the national consortium Universities Norway formed a research assessment working group in the fall of 2019 with the objective to build a national career assessment framework. Current government-directed practice is holistic, including a focus on narrative self-evaluation. The anticipated report from the working group, due by the end of 2020, is expected to articulate current good practices across Norway by providing a more systematic and structured approach to assessment. Internal drivers within Norway, such as the transition to Open Science, the prevalence of DORA-like career assessment attitudes, as well as the need to assess teaching competencies, motivated the formation of the working group. While the internal drivers established the need for action, the formation of the working group was inspired by external forces, such as the national assessment reform efforts in Finland and the Netherlands, as well as the European University Association's Expert Group on Open Science.

Who: Organization profile

Country

 Norway

Profile of institution

university association

From our Blog

DORA Community Call: Overcoming obstacles to align research assessment with community values
March 8, 2021

Feb. 2021 DORA Newsletter
February 12, 2021

DORA, EUA, and SPARC Europe joint webinar "Reimagining Academic Career Assessment: Stories of innovation and change"
January 28, 2021

Resources

Advocacy resources (6)

Case studies (11)

Good practices (28)

Initiatives (8)

OSPP in 2020



European Commission

2.2. Prioritised recommendations for the eight ambitions of Open Science

Below are a set of actionable recommendations from the OSPP to be taken as the next step towards the longer-term vision articulated by Open Science consultations and expert groups set up by the EC and other organisations in Europe and worldwide. The recommendations have been split up into the eight priorities identified from the 5 areas of the European Open Science Agenda⁶, namely:

- Rewards and Incentives
- Research Indicators and Next-Generation Metrics
- Future of Scholarly Communication
- European Open Science Cloud
- FAIR Data
- Research Integrity
- Skills and Education
- Citizen Science

The major stakeholder groups (as listed in the key below) who have the main responsibility to drive the actions stated in the recommendations have been listed alongside each one.



OSPP-REC

Framework / conditions for actors:

- European Charter for researchers
- Code of conduct for Research Integrity
- Charter for Access to Research Infrastructures

Framework / conditions for data:

- Copyright - TDM
- Free Flow of Data
- Data Protection (GDPR)
- Review PSI-Data Directive

Open Science Policy Platform

Wide input from stakeholders:

- Ad-hoc meetings and workshops
- **Reports & independent experts**

- ✓ HLEG on EOSC (I and II)
- ✓ HLEG on Altmetrics → Next Generation Metrics
- ✓ HLEG on Careers & skills
- ✓ HLEG on rewards and incentives
- ✓ HLEG on Future of Scholarly Communication
- ✓ HLEG on FAIR (Open) data
- ✓ HLEG on Indicators

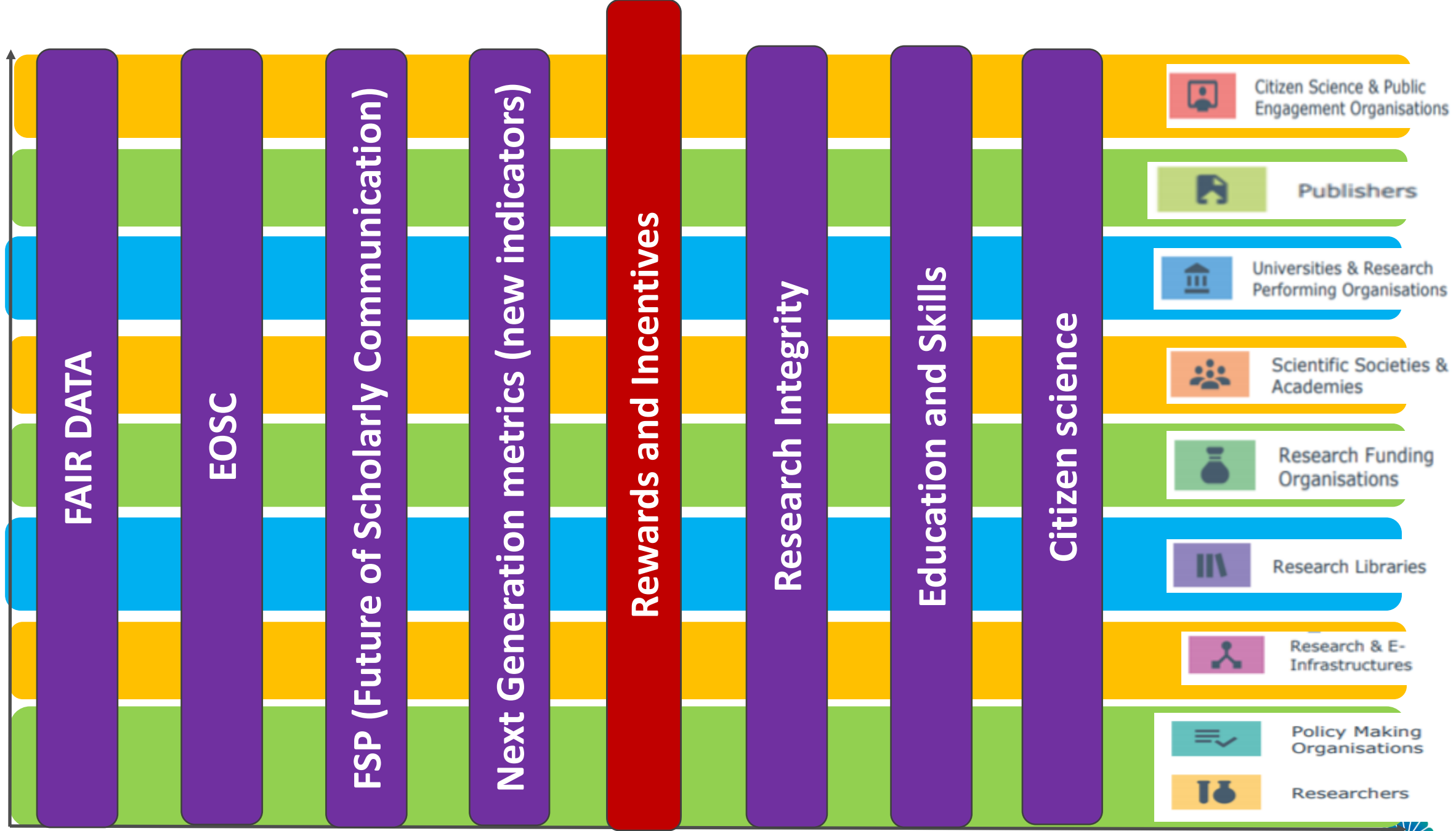
European **OPEN**
SCIENCE agenda



FIRST MANDATE

SECOND MANDATE

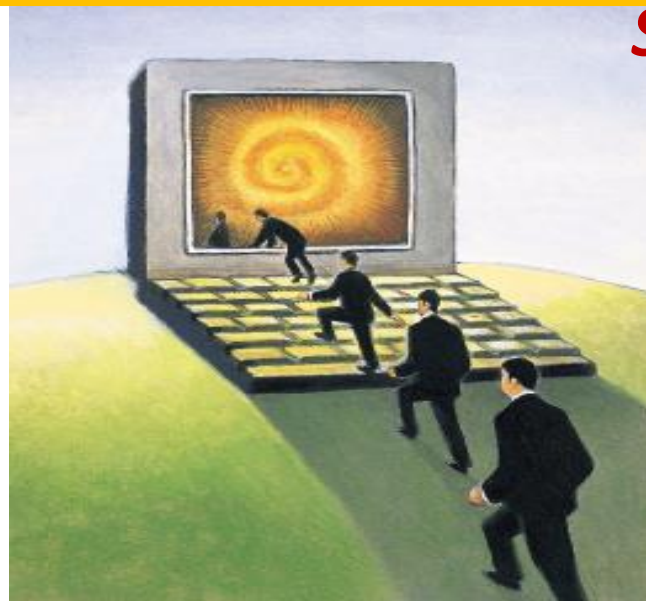




Motivators of will... (for academics)



SEDUCTION



Make it very easy...
Motivate...
Help...

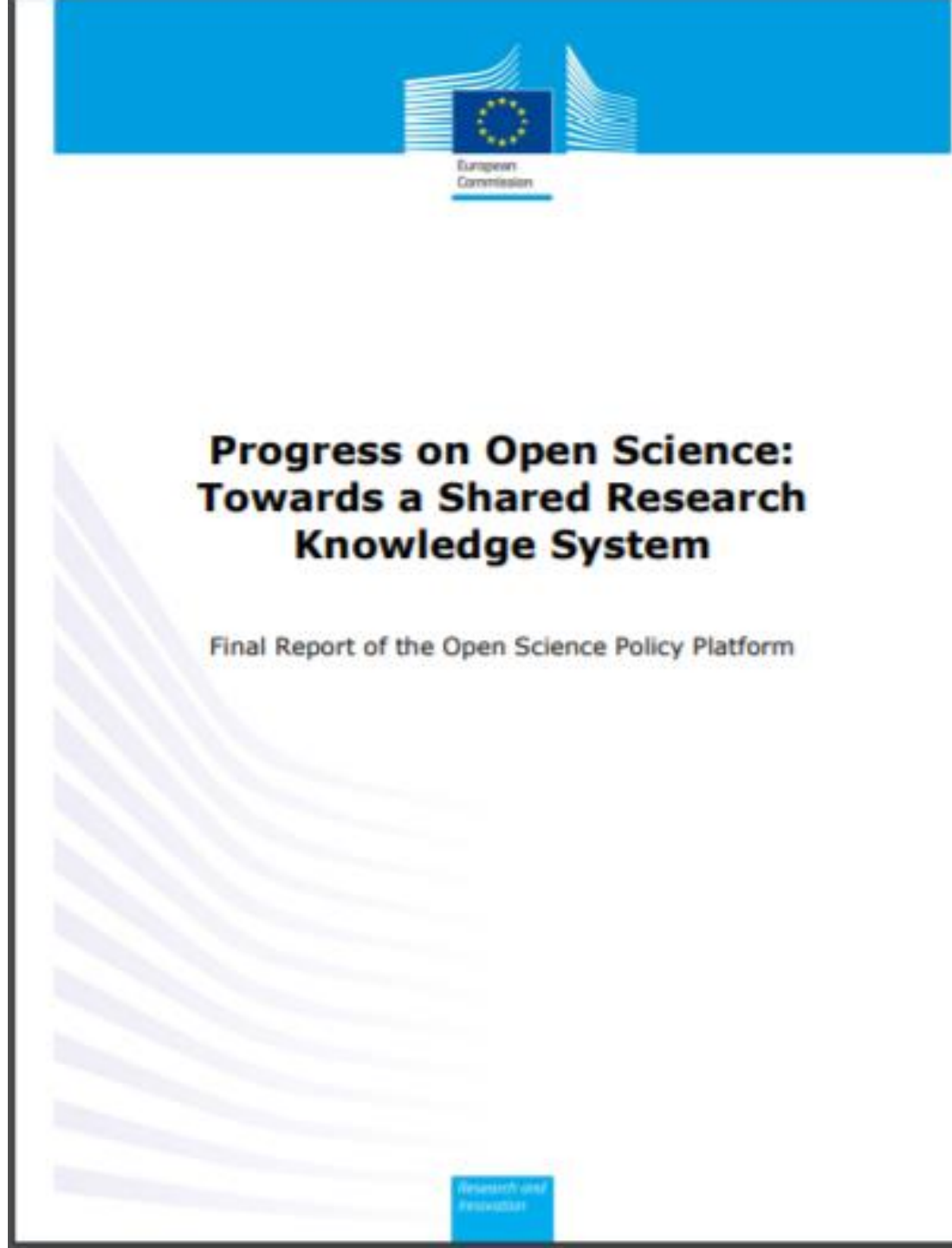


From Recommendations to PCIs

- **Commitments** regarding any aspect (challenge) of Open Science
- Actual, **realistic** and **affordable**... in a level where the proponent has “jurisdiction”
- **Effect** → real **implementation**
- They answer to the question: *What **CAN** I do to make Open Science happen?*
- Open science at “action level” (**practical**)

Final report

https://ec.europa.eu/research/openscience/pdf/ec_rtd_ospp-final-report.pdf#view=fit&pagemode=none



Where to go from here...



MUSEUM



← SCIENCE IN THE
MODERN ERA

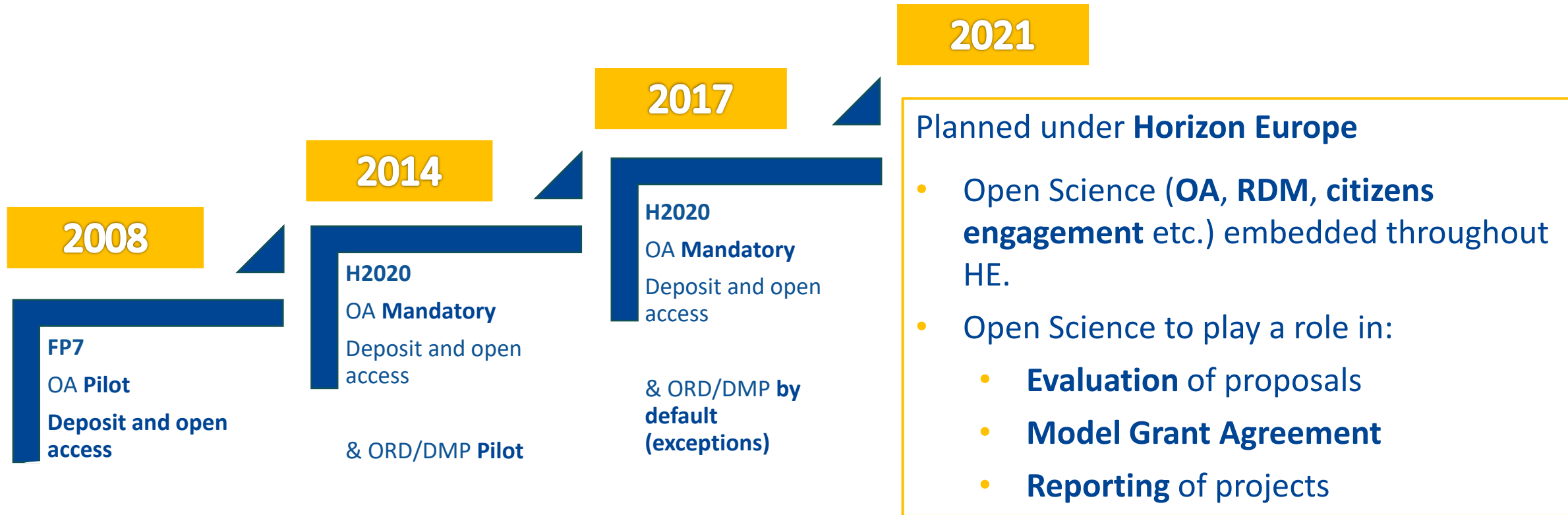


COVID-19

BEFORE THE GREAT
SUBSCRIPTION CRASH OF
SCIENTISTS BELIEVED
THE MORE INACCESSIBLE THE
STUDY, THE GREATER THE
IMPACT.



Evolution of the policies across the FPs





Reinforce openness > Open Science policy: Mandatory open access to publications, open access to research data ensured. Use of European Open Science Cloud as appropriate.

EUROPEAN UNION



Regulation of the European Parliament and the Council establishing Horizon Europe

<https://data.consilium.europa.eu/doc/document/ST-14239-2020-INIT/en/pdf>

Horizon Europe Model grant agreement (MGA)

Draft Model Grant Agreement available at the Funder & Tender opportunities portal: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/agr-contr/general-mga_horizon- Euratom_en.pdf

Horizon Europe goes **beyond open access** to publications & data

- It clarifies and strengthens OA requirements to empower researchers and their institutions
- It shifts the emphasis from research data to **responsible RDM with DMP, FAIR and open data sharing**, under the principle *‘as open as possible, as closed as necessary’*
- It mainstreams Open Science practices beyond open access, such as **science communication and citizen science**
- Open Science will be embedded throughout the Framework Programme: elements **included in the evaluation** of proposals

Infrastructures: ORE



We are delighted to announce that [#OpenResearchEurope](#), the [@EU_Commission's #OpenAccess](#) publishing platform, is now accepting submissions! All [@EU_H2020](#) grantees are eligible to publish at no cost to them. Find out more here: bit.ly/ORESubsOpen

Translate Tweet



12:01pm · 26 Nov 2020 · Twitter Web App



Delighted to announce that Open Research Europe, the [@EU_Commission #openaccess](#) publishing platform for all [#H2020](#) grantees, is now accepting submissions!

Join the [#EU](#)  [#OpenScience](#) community:
europa.eu/!xP74Wv

[#EURResearchArea](#)

Translate Tweet



I am happy to announce to all [#H2020](#) beneficiaries that you can now submit your results in Open Research Europe, the high-quality publishing platform that offers fast publication and open peer review [#EURResearchArea](#)

europa.eu/!kd43qG

[#ResearchImpactEU](#)

Translate Tweet



Infrastructures: EOSC

- A **web of FAIR data and services** based on federation of data resources at the European level

Governance of the Partnership



Strategic Research and Innovation Agenda
(SRIA)

of the

European Open Science Cloud (EOSC)

Version 0.8 18 October 2020



European co-programmed partnership under Horizon Europe

Two key topics

Reproducibility & new research assessment



Q1 2021: study on reproducibility, to measure reproducibility of H2020 results and projects, and to help design specific interventions to increase reproducibility in HEurope

Open Science Assembly with Research Performing Organisations and other Stakeholders

Consultation on Reforming Research Assessment

18 March 2021, 9:00-13:00

16-18 March

Stakeholders forum: Reforming Research Assessment

(New ECF for researchers, revision of the C&C)

The objectives of this meeting are:

- *To take stock of views of, and challenges faced by, research performing organisations in reforming research assessment to reward quality, impact and open science practices*
- *To discuss enablers and identify actions to move towards such a reform*

Towards a new *modus operandi* for Science

Current System (dominant)		Open Science	
Rewarding individual competing scientists - gaining scientific prestige		Rewarding collaboration and sharing to achieve societal impact (e.g. Covid-19)	
Publish as much and as fast as possible (<i>publish or perish!</i>)		Share knowledge/data as early and as openly as possible	
Excellence defined largely on the basis of <i>where</i> scientists publish		Composite definition of excellence	
Incentivises researchers to <i>produce specific outputs</i> (mainly publications)	Use of quantitative metrics	Incentivises researchers to share, collaborate, increase quality and impact; while considering diversity of outputs and research cultures	Use of qualitative and quantitative metrics

Urgent changes

- The way we publish (papers)
- The way we evaluate Science (JIF)
- The way we give credit (copyright)



Science



The poster features a yellow background with a blue and white logo at the top left. The logo consists of a stylized 'U' and 'N' with the text 'DAG HAMMARSKJÖLD LIBRARY' below it. To the right of the logo is a circular graphic made of 17 colored segments, representing the Sustainable Development Goals. The main text on the poster reads: 'UNITED NATIONS OPEN SCIENCE CONFERENCE' in large, bold, red letters. Below this, in blue, is 'Towards Global Open Science: Core Enabler of the UN 2030 Agenda'. On the right side, a dark blue box contains the following information: 'TUESDAY 19 NOVEMBER 2019 9 A.M. - 6 P.M.', 'UNITED NATIONS HEADQUARTERS, NEW YORK', 'CONFERENCE ROOM 12', 'MORE DETAILS & RSVP AT: research.un.org/conferences/OpenScienceUN', 'FOLLOW THE LIVE WEBCAST: webtv.un.org', and a Twitter icon followed by '#OpenScienceUN'.

DAG HAMMARSKJÖLD
LIBRARY

UNITED NATIONS
**OPEN SCIENCE
CONFERENCE**

**Towards Global
Open Science:
Core Enabler of
the UN 2030 Agenda**

TUESDAY
19 NOVEMBER 2019
9 A.M. - 6 P.M.

UNITED NATIONS
HEADQUARTERS,
NEW YORK

CONFERENCE ROOM 12

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 #OpenScienceUN

*We should give back to the society the
Science we do
... to have the future we want*

THANK YOU!!

Thank you to my colleagues of the EU-OSPP and the EC for slides and inspiration, particularly Rebeca Lawrance and Alea López de San Román

