I want to be an Open Scientist!

Research Evaluation and Incentives to boost Open Science and Research Careers
How to interact during this session

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Note: interaction available only during the session
Philosopher of science by education, communicator and manager by employment, I’m with GARR, the Italian Research and Education network, since 2004.

I am proud to help supporting the research community in collaborating worldwide and I like to bridge borders. I’ve been involved in building scientific clouds since they went under other names, and now we have one, my job is to help making them a success.
Science work: what I thought I would do
Science work: what I really do

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11,791,993
Research Data

1,257,016
Open Access

(source: OpenAIRE)
Science work: what I should do to advance my career

Research Evaluation

Based on bibliometric indexes or, for non-bibliometric sectors, on selected list of journals

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H-index: the pitfalls

- **Early careers scientists** are penalised
- It does not consider the **context** of citation (eg. Negative citation)
- It is influenced by the **limitation of the citational databases** (all owned by big scientific publishers)
- It does not take into account **self-citations**, and it can be manipulated through self-citations
- It does not take into account the **number of authors** in a paper and their contribution given
- It seems to give more credits to the work done within **large collaborations**
- It does not take into account research **multidisciplinarity**
- It does not facilitate **science freedom**
• **Recent Journals** – even if prestigious – are not assigned an IF for many years.
• Eugene Garfield and Clarivate Analytics warns about using JIF to evaluate researchers because the **quality of single papers in a Journal cannot be judged on the basis of a medium index**
• It does not take into account the **number of authors** in a single article and their contribution
• It is **discipline-dependent** and strongly affected by mainstream topics
• It has **never been certified** by independent studies
• It does not take into account the **multidisciplinarity** of research.
Ok, warmed up?

Good, let’s start with the serious stuff...

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Gareth is an expert in Open Science focusing on Open Access and the European Open Science Cloud (EOSC).

He is an ambassador for Plan S at cOAlition S and is an adviser to the Marie Skłodowska-Curie Actions (MSCA).

Gareth has represented researchers at all policy levels and is a former president of the European Council of Doctoral Candidates and Junior Researchers (Eurodoc).

Technopolis Group
Principal Consultant on Open Science

Leiden University
PhD Researcher in Theoretical Linguistics

@gtoneill
• Open Science should enable researchers to easily share and benefit from research
• Openness is a spectrum: not all research outputs must be fully or immediately open
• Researchers should be made more aware of the practices/benefits of Open Science
• Researchers need training/support in key practices like Open Access and FAIR Data
• We are publishing too many articles and should publish less and also publish data sets
• We should move away from impact factors/journal brands to new encompassing metrics
• Researchers should be rewarded for Open Science practices in funding/career evaluation
• Early-career researchers need leadership from their senior researchers on Open Science
• Open Science practices like reviews should not negatively affect early-career researchers
Shalini Kurapati, PhD

- Open Science fellow at PoliTo, Italy (Adjunct)
- Co-founder and CEO of clearbox.ai
- Certified Information Privacy Professional/Europe

Past:
- 7 years research experience, TU Delft
- Co-founded an AI consultancy firm in the Hague
- Department advisor on RDM, Data stewardship project TU Delft

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Data stewardship: The third space in academia

Researchers require a new kind of support to realise FAIR research output

A glance into the evolving role:

- Analyse data management needs
- Provide advice and consultancy on all things data
- Coordinate with key stakeholders
- Train and inspire, drive cultural change
- Help comply with funders’ and journals’ policies (DMPs, data sharing)
- Develop research data policies
- Prepare the institutions for the future

https://blogs.lse.ac.uk/impactofsocialsciences/2019/04/30/becoming-a-data-steward/

@shalini_kr
Emma Lazzeri

Italian National Research Council
Researcher

- European Commission Open Science Monitor advisory group member
- Member of the European Open Science Cloud Working Group on Training and Skills
- Chair of the Italian Computing and Data Infrastructure Task Force on Competence Center
- OpenAIRE National Open Access Desk Coordinator
- Coordinator of the Research Data Alliance Italian Node
What they offer

**Expertise**
- Legal
- Technical
- Community
- Thematic
  ...

**Training**
- Open Science
- Open Access
- Data Management
- FAIR data
  ...

**Support**
- EOSC
- Tools
- Services
- Infrastructures
- Resources
  ...

Why?
- Provide researchers with the skills needed for Open Science and EOSC
- Accelerate European Open Science Cloud, and Open Science practices uptake
- Boost the cultural changes needed to overcome the current barriers
- Interact with different regional/thematic/disciplinary communities

Examples of ongoing realisations:

National/Regional

Thematic

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Born 1947, Virologist, former rector. Chair, EUA Expert Subgroup on Research Assessment in an Open Science setting.
In their assessments of academic performance, universities must increasingly focus on quality, content and creativity.

Identify different profiles and encourage complementarity.

Assess researchers based on both their individual and their team performance.

Incentivise researchers to share their research outcomes with society.

Offer more diversity in career paths and profiles for researchers.

Stimulate good academic leadership at all levels.
Thank you!

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