Desafios para a GDI na Europa e em Portugal: desenvolvimentos EOSC, planos institucionais, serviços nacionais e política FCT

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REPRESENTAÇÃO NACIONAL / FINANCIADOR

REPRESENTAÇÃO

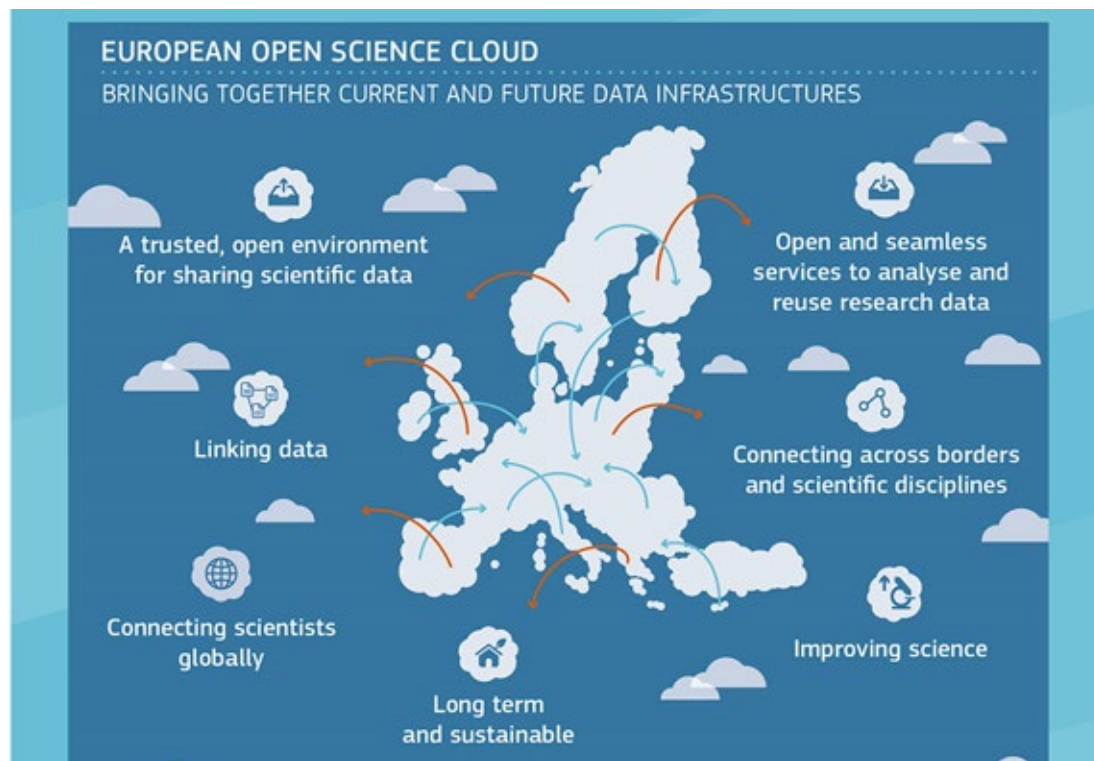- **EOSC Association (JMM)**
- **NPR Open Science COM (JMM)**
- **ERAC SWG-OSI (JMM & FP)**
- **UNESCO Open Science (JMM)**
- SCOAP3 (JN e JMM)
- **cOAllition-S (JMM e JN)**
- Science Europe (JN e JMM)
- **Berlin 2020 (JN e JMM)**

TEMAS

1. **Open Science**
2. **Open Innovation**
3. **Copyright Legislation**
4. **National infrastructures**
5. **Research Funding Organizations (RFOs) supporting OS**
6. **Responsible evaluation of researchs**
7. **Citizen Science**

FCT Fundação para a Ciência e a Tecnologia

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European Open Science Cloud

EOSC

Ambiente aberto e **seguro** focado nos serviços para dados de investigação

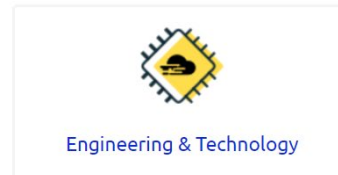**Federação de infraestruturas de dados** já existentes

Disponibilização de **Serviços** na área de GDI:
- Armazenamento;
- Gestão;
- Análise;
- Reutilização.

EOSC – CONT.

WHO IS IT FOR?

1.7 million researchers

70 million professionals in science and technology

Opening up in the future to public services, industry and SMEs

Bringing benefits to citizens

Medical & Health Sciences

Engineering & Technology

Natural Sciences

Generic

Humanities

Agricultural Sciences

Social Sciences

Other

https://marketplace.eosc-portal.eu/

EOSC – CONT.

EUROPEAN OPEN SCIENCE CLOUD

Access physical & eInfrastructures

Aggregators & Integrators

Processing & Analysis

Security & Operations

Sharing & Discovery

Training & Support

https://marketplace.eosc-portal.eu/

EOSC - PRINCIPAIS ATIVIDADES GERAL

- Assembleia geral 17 de Dezembro: eleição do presidente, diretores e aprovação do orçamento.
- Assinatura da parceria co-programada com a Comissão Europeia, sendo o SRIA (Strategic Research and Innovation Agenda) um documento fundamental
- EOSC Symposium
- Grupos de trabalho

EOSC SYMPOSIUM (HTTPS://WWW.EOSCSECRETARIAT.EU/EOSC-SYMPOSIUM-2021-PROGRAMME)

EOSC Ecosystem

09:00 - 10:30	**Opening Keynote Session** Chair: Marialuisa Lavitrano, University Milano-Bicocca & Director, EOSC Association 9:00 – 9:10 Framing the EOSC Symposium 2021 and its aims - Marialuisa Lavitrano, University Milano-Bicocca & Director, EOSC Association, **Download presentation** 9:10 - 9:25 Welcome from the European Commission - Kostas Glinos, Head of Unit Open Science, European Commission 9:25 - 9:40 Welcome from EOSC Association - Ute Gunsenheimer, Designated Secretary General, EOSC Association, **Download presentation** 9:40 - 9:55 EOSC and its future: next steps towards EOSC as an e-science enabler for Europe - Liina Munari, Deputy Head of Unit, Open Science and Digital Modelling, DG CONNECT, European Commission, **Download presentation** 9:55 - 10:05 The European Open Science Cloud from the perspective of the Portugese EU Presidency - João Moreira, FCT/FCCN & EOSC Association, **Download presentation** 10:05 - 10:20 EOSC European Partnership & Association - Paulo Quaresma, Board of Directors of FCT & EOSC Steering Board, **Download presentation** 10:20 - 10:30 Q&A session

GRUPOS DE TRABALHO

- **Implementation of EOSC**
  - PID policy and implementation
  - Researcher engagement and adoption
  - Rules of Participation (RoP) compliance monitoring
- **Metadata and data quality**
  - FAIR metrics and data quality
  - Semantic interoperability
- **Research careers and curricula**
  - Data stewardship curricula and career paths
  - Research careers, recognition and credit
  - Upskilling countries to engage in EOSC

- **Technical challenges on EOSC**
  - AAI Architecture
  - Infrastructure for quality research software
  - Technical interoperability of data and services
- **Sustaining EOSC**
  - Defining funding models for EOSC
  - Long-term data preservation

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Potenciais serviços nacionais adoção EOSC

Area	Detail	Stakeholders
Landscape	GAP analysis (EOSC-Synergy)	- National System of R&I
Services (EOSC alignment)	1. FAIR Practice 2. PID Policy (PTCRIS) 3. Metrics & Certification 4. Interoperability (AAI, protocols, metadata, ontologies) 5. others	- Partners
Monitoring	Monitoring of EOSC Adoption	- FCT & Partners

European Open Science Cloud (EOSC) Future -
Domain Ambassadors

O que é: O objetivo desta **RDA** (Research Data Alliance) **Open Call** é **envolver especialistas disciplinares e grupos** através duma abordagem **bottom-up** e garantir que estes **contribuem com o seu know-how** para o European Open Science Cloud (EOSC), trazendo **benefícios para as suas comunidades, aumentando a conhecimento da comunidade sobre o EOSC**. O programa irá oferecer até **10 bolsas de, no máximo, € 7 500** para apoiar o trabalho nesta área ao longo dum projeto EOSC.

Para quem: Indivíduos e grupos de especialistas.

Candidaturas até: 15 de fevereiro de 2022, às 16h portuguesas.

Mais informação: https://eoscfuture-grants.eu/

Update from the Commission

Latest developments in
Open Science policy & Open Research Europe

Silvia Bottaro, DG R&I, Open Science Unit

Improving the research assessment system

Policy objective

- Objective of the Commission: **facilitate and speed up reforms to research assessment**

- Towards a research assessment system that:
  - ➢ Promotes qualitative judgement with peer-review, supported by a more responsible use of quantitative indicators;
  - ➢ Considers the **value and impact of a diversity of research outputs**;
  - ➢ Incentivizes open collaboration and early knowledge and **data sharing**;
  - ➢ Rewards the diversity of tasks of researchers, and supports team science.

- Not a new objective but a new initiative

- Coherence between research and academic assessments is necessary

A European initiative

- An **alliance** of funders, research performing organisations (including universities) and national evaluation agencies, willing to take the lead in reforming the current research assessment system

  ➢ Agreement on **principles** and **actions** between funders and performers**;**

  ➢ Building on DORA and other declarations;

  ➢ **Committing signatories to act** according to a roadmap for delivery;

  ➢ **Joint ownership** of the initiative by the participating organisations;

  ➢ **Monitoring** of progress.

Next steps

- Finalise the **consultations** and publish a **report**, and organise a **meeting with stakeholders** (December 2021).

- Translate the agreed rationale, principles and actions, into a **draft Memorandum of Understanding**, and introduce a timetable for reforms.

- **Political announcement** of the initiative at an event of the French Presidency on 4 & 5 February 2022.

- **Roll out** the initiative during 2022.

European Commission

Open Research Europe (ORE)

The open access publishing platform for Horizon 2020 and Horizon Europe beneficiaries

European Commission

The publishing service

- **A peer-reviewed** publishing platform. ORE is **not a repository**

- **Original** articles i.e. stemming from Horizon 2020-funded research and Horizon Europe

- **All scientific areas** of Horizon 2020 and Horizon Europe covered

- **Immediate open access**, with **content licensed for re-use**

- **Open peer review** (i.e. open reviewer identities, published reviews, post-publication comments)

- Each article has a **dedicated metrics** page

- 'Super-networked' and '**minable**': PIDs, connection to repositories, **open data** and software, interoperable technologies, preservation of content, etc.

Some figures…

220 submissions – 118 published articles – 36 passed peer-review
Authors from 31 different European countries

Top 10 countries for submission:
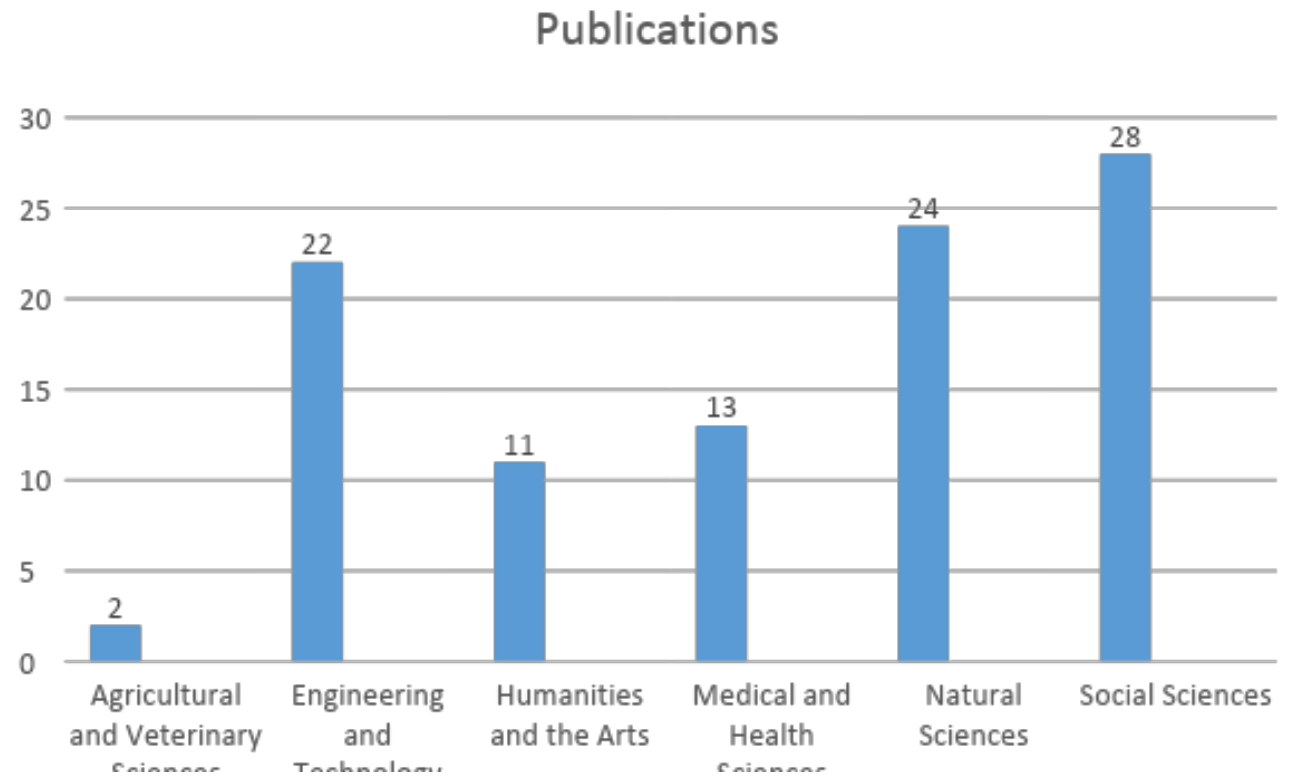Spain: 48
UK: 47
Germany: 47
Italy: 39
France: 33
The Netherlands: 26
Greece: 20
Belgium: 17
Austria: 17
Ireland: 15

Publications

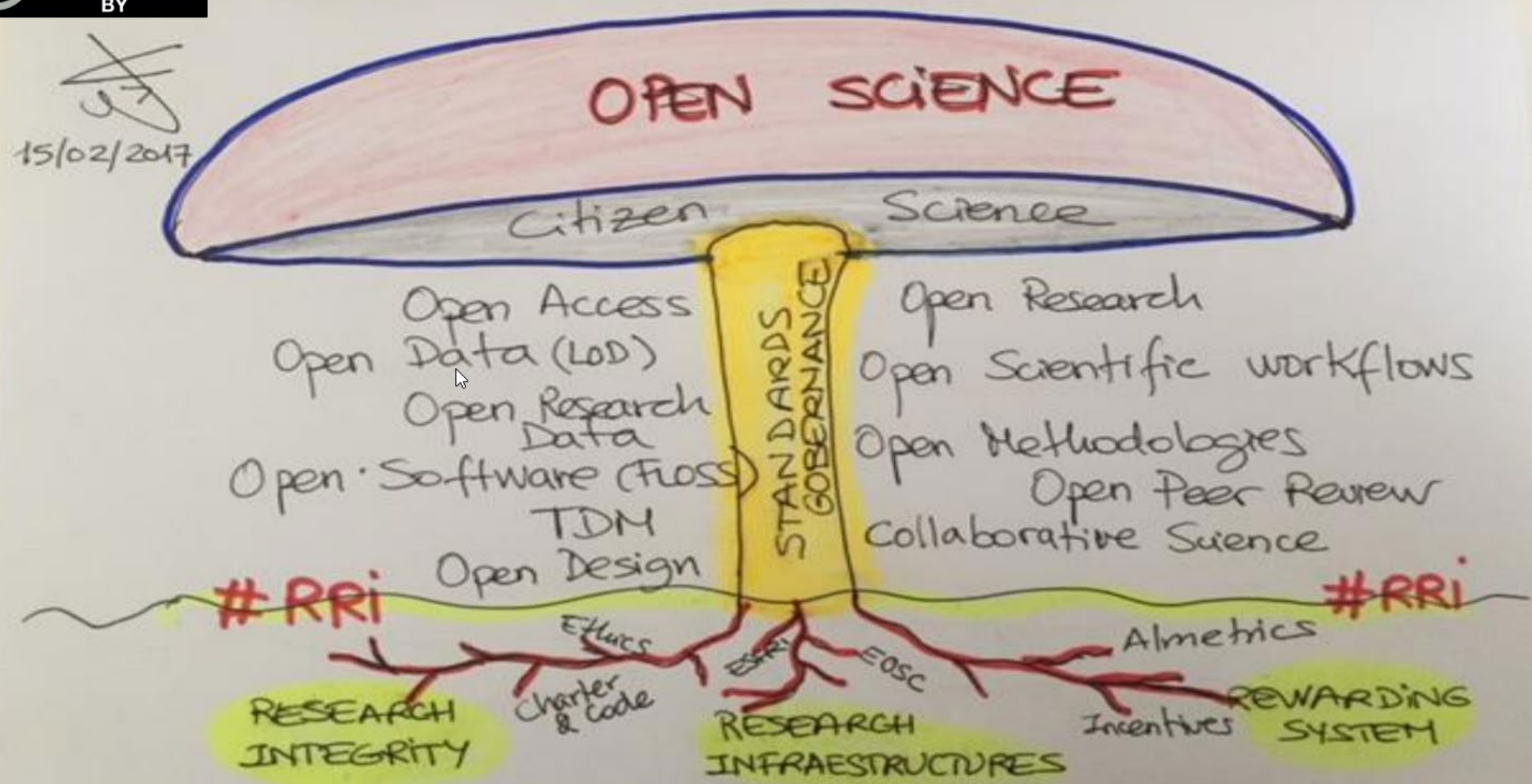| Category	Value
Agricultural and Veterinary Sciences	2
Engineering and Technology	22
Humanities and the Arts	11
Medical and Health Sciences	13
Natural Sciences	24
Social Sciences	28

European Commission

The future of ORE

- Beyond March 2024 (end of the current framework contract)

- Establish a vision: current thoughts to expand within the European Commission and beyond i.e. **other framework programmes** (e.g. Health Programme, European Structural and Investment Funds (ESIF), etc.) and **other national funders**

- Exploring possibilities in **legal and organizational terms**

- **Sustainability** and long-term service is already being studied

Expanding to national funders?

- An option, if there is commitment from national funders

- During this framework contract: **Case studies** to be carried out in collaboration with interested national funders to explore possibilities for future involvement (**anticipating legal and organisational aspects**)

Would any SWG OSI member be interested in participating in such case studies?

Desafios e perspectivas

Mudar as práticas de investigação

Pirâmide	
Política	**Ser obrigatória**
Incentivos	**Ser gratificante**
Comunidade	**Ser a Regra**
Interface / Experiência do utilizador	**Ser simples**
Infraestrutura	**Ser possível**

- Limitações
  - Equipa (13+5 ACC, 100 FCCN)
  - Orçamento (aprox. 15 M€ ACC/ > 20 M€ FCCN)

- Governação
  - GT CRUP (Ciência Aberta)
  - Consórcio EOSC.pt?
- Políticas
  - Política de acesso aberto, dados abertos => Política CA
- Serviços
  - Consolidação de serviços (ex: Repositório de publicações e de dados)
  - Serviços na nuvem vs geridos pela FCCN