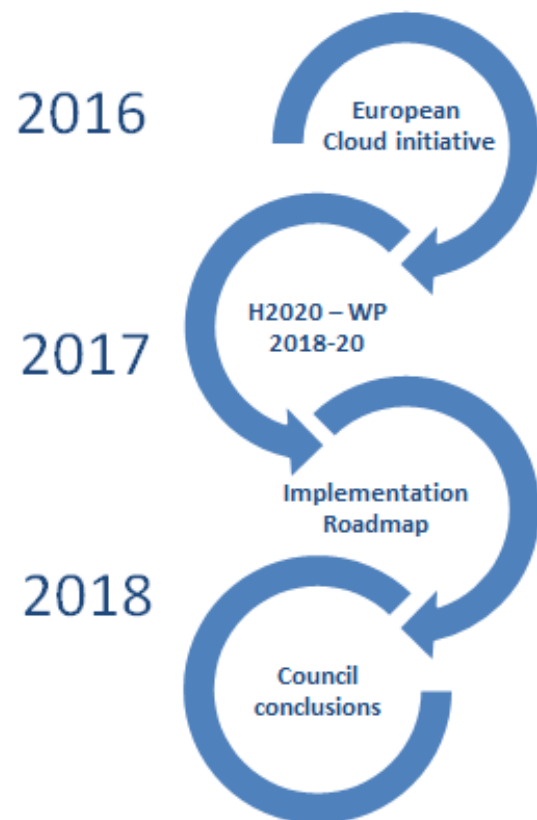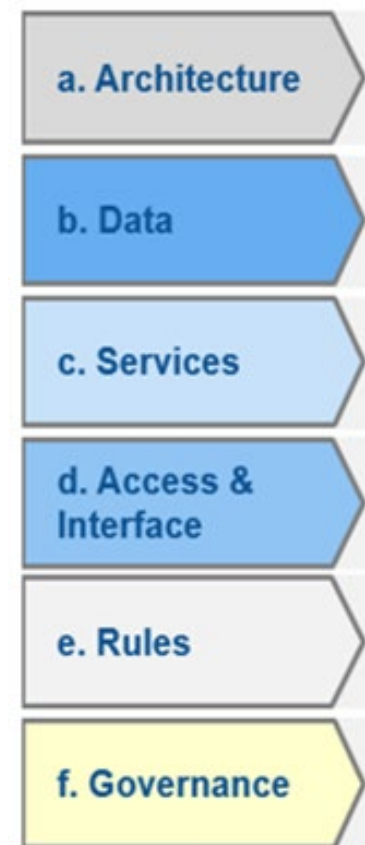# ESFRI – EOSC Liaison Workshop

Session 3.2 Policies

London, 30 January 2019

Michel Schouppe, Athanasios Karalopoulos, Corina Pascu, Kostas Repanas, Kasia Szkuta
European Commission, Directorate General Research & Innovation , RTD.B2 Open Science

EOSC achievements 2016-2018

2016 — European Cloud initiative

2017 — H2020 – WP 2018-20

Implementation Roadmap

2018 — Council conclusions

- Vision
- Roadmap
- Political support
- Targeted resourcing
- Communities at work
- Prototype Portal
- Governance 2019-2020

a. Architecture

b. Data

c. Services

d. Access & Interface

e. Rules

f. Governance

Raising importance of the FAIR principles over time

H2020 INFRAEOSC Calls

> 250 Mio €

EOSC dedicated activities to build a European FAIR ecosystem

Portal development

New services new users

Governance and policy

INFRAEOSC-06-2019
Enhancing the user experience

INFRAEOSC-03-2020
Portal integration & consolidation

INFRAEOSC-01-2018
Access to commercial services

INFRAEOSC-04-2018
Connecting ESFRI infrastructures

INFRAEOSC-05-b-2018-2019
Coordination of national initiatives

INFRAEOSC-02-2019
Prototyping new services for new users

INFRAEOSC-07-2020
Increasing the service offer

INFRAEOSC-05-a-c-2018
- EOSC coordination structure
- **FAIR Data uptake** and compliance
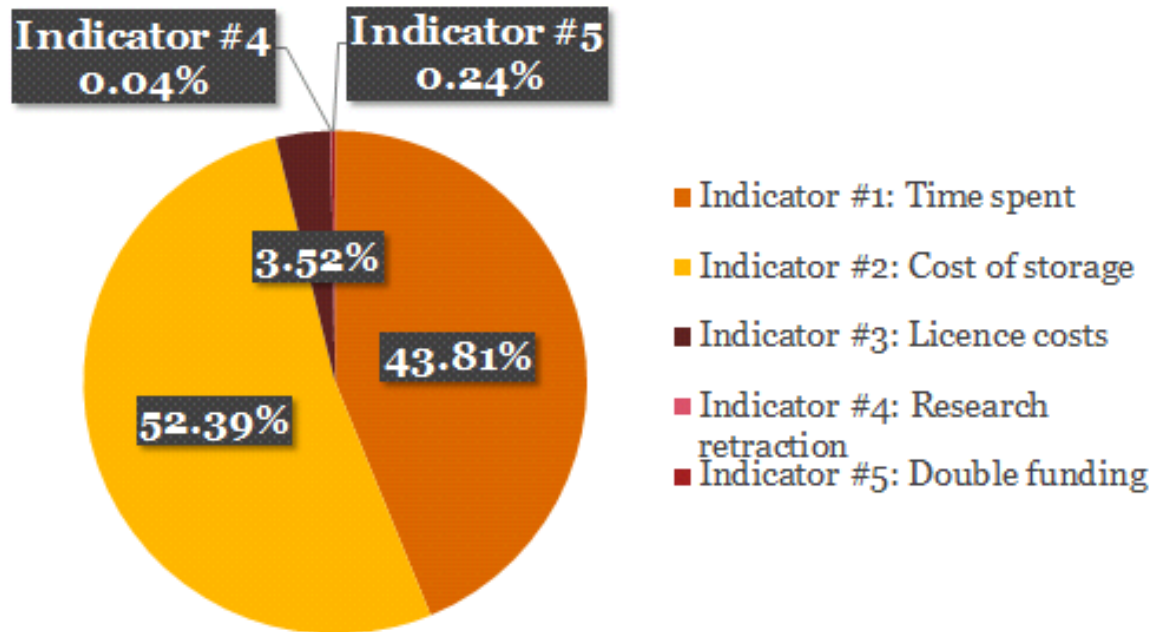
Estimated minimum cost of not having FAIR research data for the EU-28

Interpreting the overall cost of not having FAIR research data as a single value overlooks many non-quantifiable benefits of FAIR. Nonetheless, at

€10.2bn per year in the EU-28,

the **measurable** cost of not having FAIR research data makes an overwhelming case in favour of the implementation of the FAIR principles

Indicator #4
0.04%

Indicator #5
0.24%

3.52%

43.81%

52.39%

- Indicator #1: Time spent
- Indicator #2: Cost of storage
- Indicator #3: Licence costs
- Indicator #4: Research retraction
- Indicator #5: Double funding

Some considerations were taken:
- There are differences between research disciplines and sectors
- Not <u>every element</u> could be quantified
- Conservatives assumptions

(PwC study 2018, commissioned by the European Commission)

Turning FAIR into reality

- **Report and Action Plan**: Take a holistic approach to lay out what needs to be done to make FAIR a reality, **in general and for EOSC**

- Addresses the following key areas: **Concepts for FAIR, the FAIR data culture, the FAIR data ecosystem, skills, incentives and metrics, investment and sustainability.**

- **Recommendations and Actions**: 27 recommendations, structured by these topics, are supported by precise actions for stakeholders.

Turning FAIR into Reality - Report and Action Plan: https://doi.org/10.2777/1524

(Expert Group set up by the European Commission – DG RTD)

NEW Working Group at RDA!
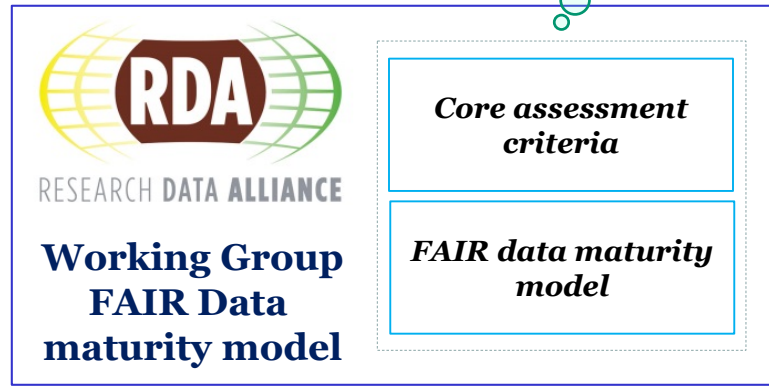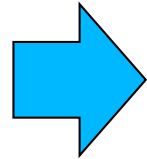
✓ **WG on a FAIR Data maturity model**

OBJECTIVES:

- **Agree on a common set of cross-domain assessment criteria for FAIRness by looking at common elements of existing approaches.**

  ! NOT to develop yet another assessment approach !

- **Apply the criteria in a generic and expandable self-assessment model for measuring FAIRness.**

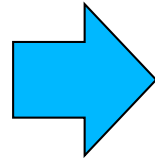- **Build a community to maintain the outputs and take into account emerging needs.**

Join this RDA Working Group !

https://www.rd-alliance.org/groups/fair-data-maturity-model-wg

- RDA/FORCE11 FAIR Sharing WG
- RDA DMP Common Standards WG
- RDA Metadata Standards Catalogue WG
- Data Description Registry Interoperability WG
- WDS/RDA Assessment of Data Fitness WG
- Research Data Repository Interoperability WG
- RDA/CODATA Legal interoperability IG
- RDA Data policy standardisation and implementation IG
- RDA Domain Repositories IG
- RDA Metadata IG
- RDA PID IG
- RDA GO FAIR IG
- RDA Disciplinary Collaboration Framework IG

Thank you for your attention

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