Interoperability in practice and FAIR data principles

e-Infrastructure interoperability panel

EOSC Stakeholder Forum

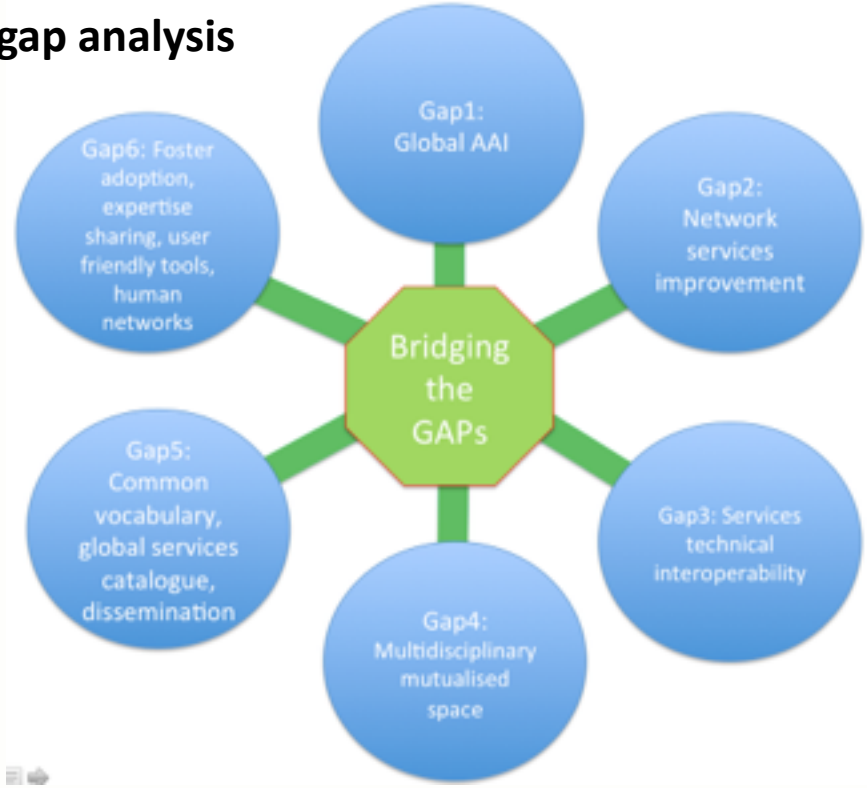
28-29 November 2017

Geneviève Romier (CNRS / IN2P3)

EOSCpilot
The European Open Science Cloud for Research Pilot Project
www.eoscpilot.eu

e-infrastructure gap analysis & interoperability architecture

D6.1: **e-infrastructure gap analysis**
June 2017



- D6.2: **EOSC architecture design and validation procedure** (October 2017)

describes the framework to be set to allow the interoperability between the e-infrastructures and Research infrastructures involved in the EOSC project.

- Further work: D6.8 : **Final EOSC architecture** (end of 2018)

The European Open Science Cloud for Research pilot project is funded by the European Commission, DG Research & Innovation under contract no. 739563

e-Infrastructure interoperability panel

Participants:

- Cristina Duma (INFN / CNAF, Italy),
- Licia Florio (GEANT),
- Laurent Crouzet (MESRI, France)

Chair: Volker Beckmann (CNRS / IN2P3)

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Panel Discussion

- What are the major challenges for e-infrastructures and research infrastructures to be part of an EOSC architecture?
- How does the connection of e-infrastructures in the EOSC context correlate with similar efforts on the national level?
- What advantages do you expect from the EOSC that will be worth doing the effort of the interoperability?
- What should be the next step and/or what is the most urgent action needed to progress towards infrastructure interoperability?

Cristina Duma (INFN), Licia Florio (GEANT), Laurent Crouzet (MESRI)

Chair: Volker Beckmann (CNRS / IN2P3)

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EOSCpilot 6.2

Data interoperability

Rafael C Jimenez

Interoperability in practice and FAIR data principles

The EOSC Stakeholder Forum

Nov 28, 2017, Brussels

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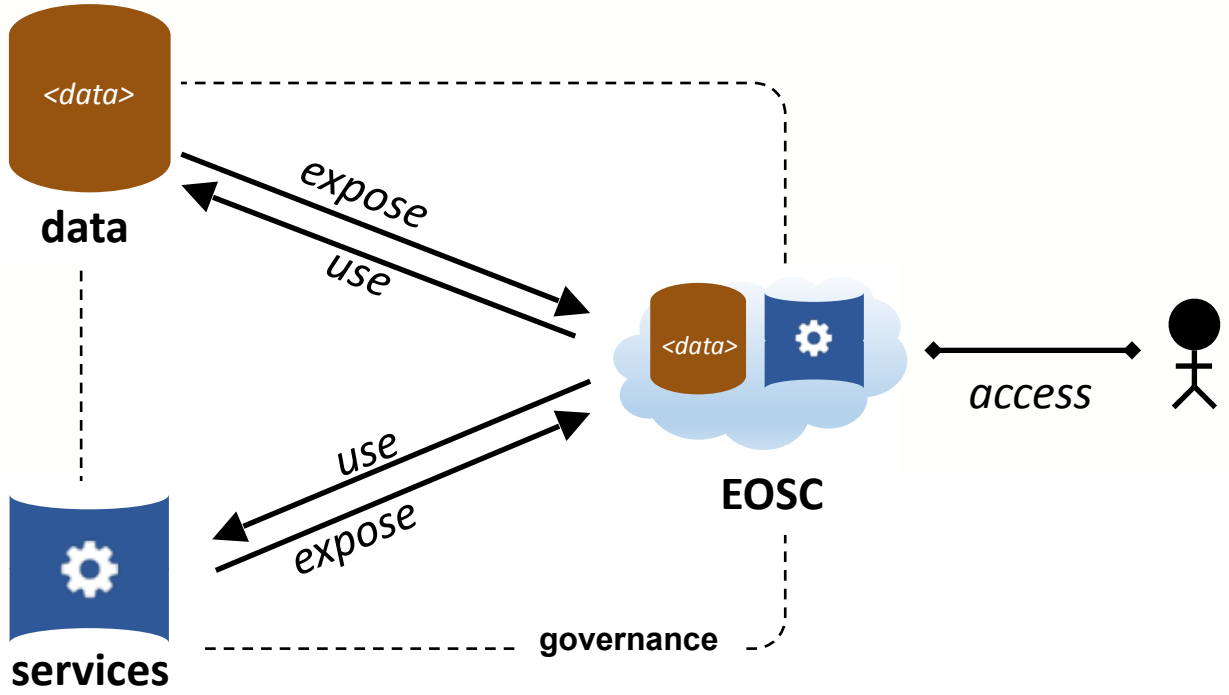
EOSC pilot action - Goal

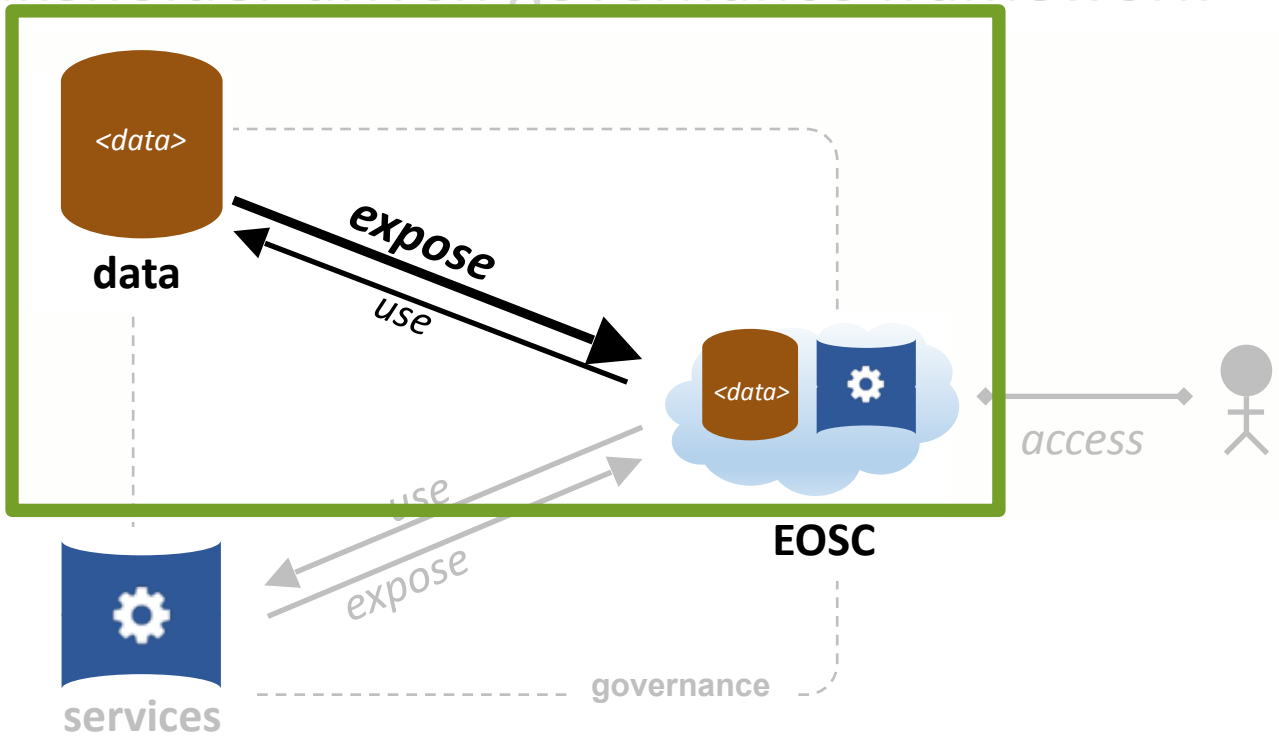
To **demonstrate how to ensure availability** of **scientific data** and **data-analysis services through a cloud infrastructure** and design a stakeholder driven **governance framework**

Lorenza Saracco and Carmela Asero | European Commission,
DG Research & Innovation | Pisa, 14-15 September 2017

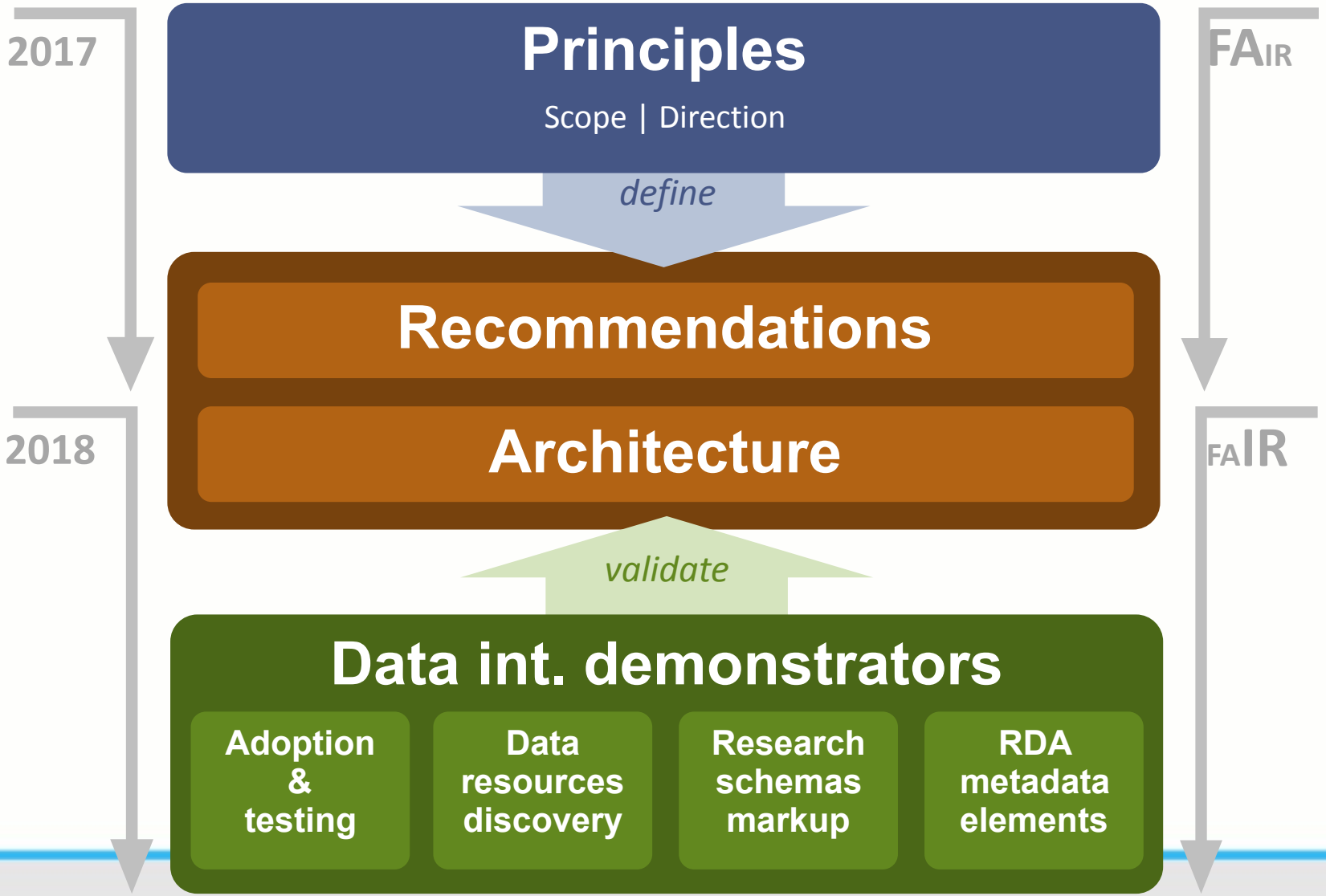


6.2 - EOSCpilot data interoperability - Goal

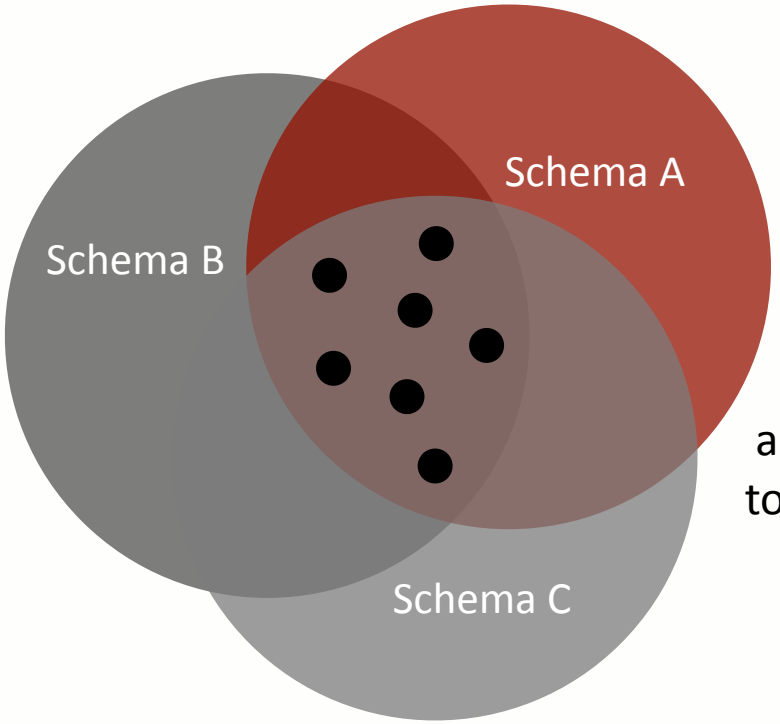
To **demonstrate how to ensure availability** of **scientific data** and data-analysis services **to users and services** **through a cloud infrastructure** and design a stakeholder driven governance framework



6.2 - EOSCpilot data interoperability



Common set of minimum metadata for finding and accessing datasets



… **flexible** metadata **models** and programmatic **interfaces** to embrace domain specifics

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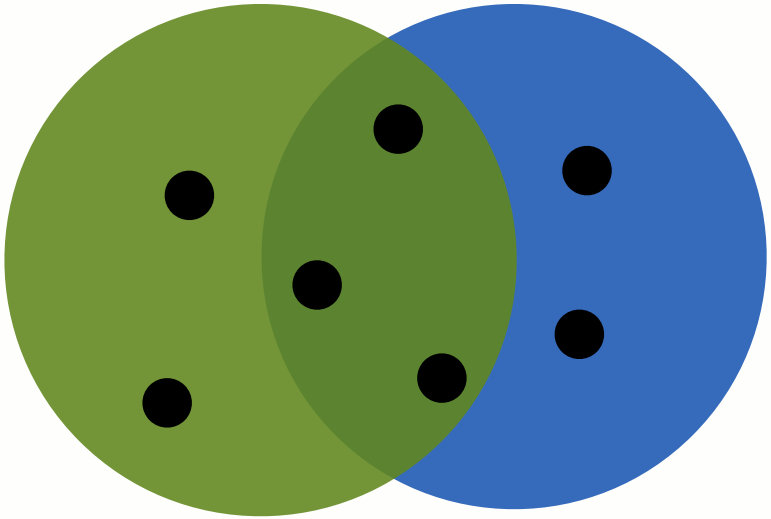
Researchers & Services metadata requirements

for finding and accessing datasets

Scientific

Functional

Researchers



File

Operational

Services

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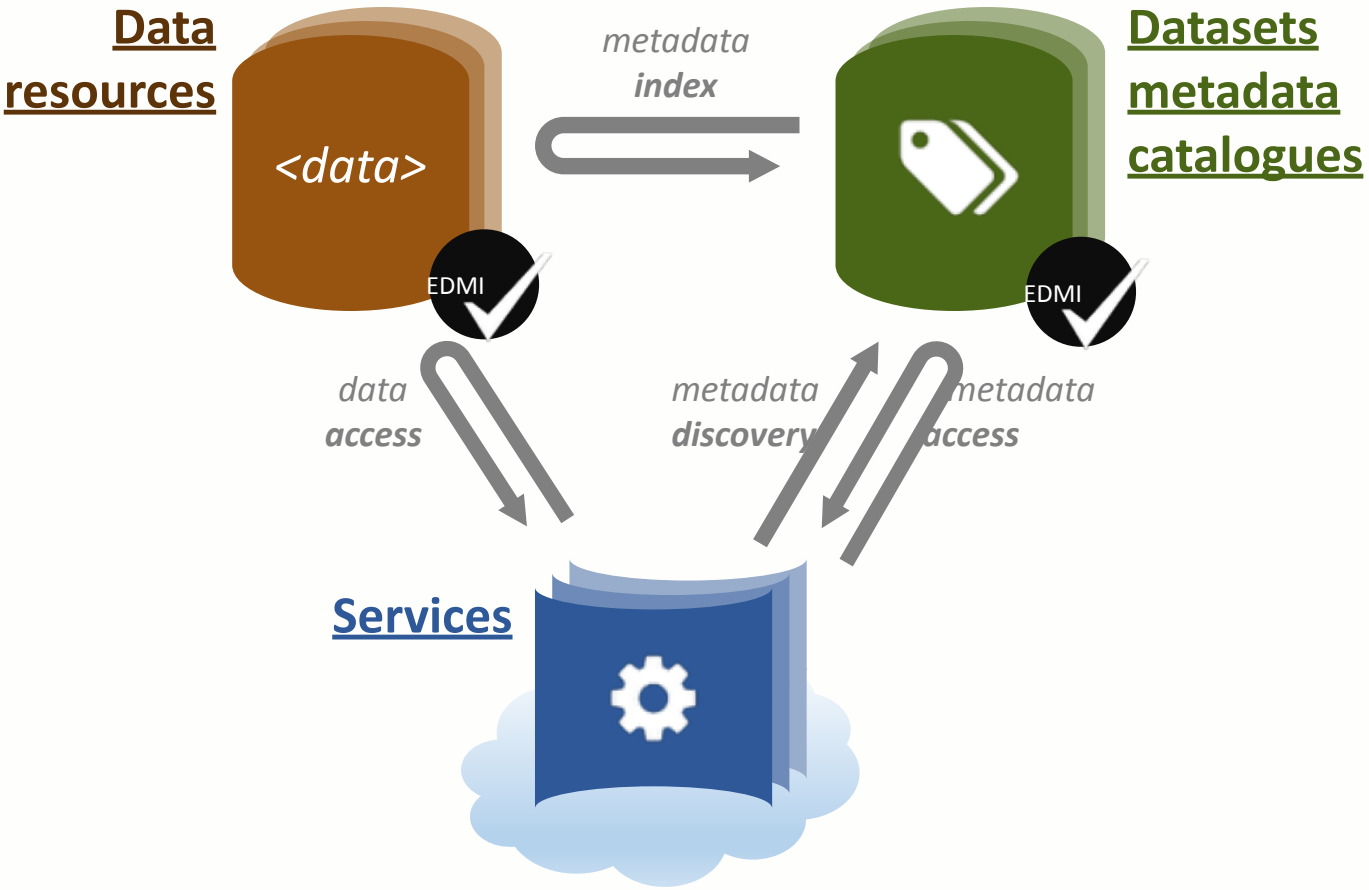
Architecture



Interoperability in practice and FAIR data principles: Data interoperability panel

- Panel Discussion (25 min); Chair: Volker Beckmann (CNRS / IN2P3)

  - Participants
    - **Françoise Genova** (Université Strasbourg, RDA)
    - **Carole Goble** (University of Manchester, ELIXIR)
    - **Andrew Treloar** (Monash University, ANDS)
    - **Barend Mons / Luiz Bonino** (DTLS, GO FAIR)
    - **Donatella Castelli** (CNR, BlueBridge)

  - Questions
    - What are the **synergies** between EOSC and RDA and GO FAIR?
    - What actions are taken in the context of **FAIR data in your countries**?
    - What should be the **next step** and/or what is the **most urgent action** needed **to progress towards data interoperability in ESOC** ?

RDA tag cloud