



**EUROPEAN OPEN
SCIENCE CLOUD**

Addressing Organisational Interoperability

Webinar - 10 June 2021

Oscar Corcho - Universidad Politécnica de Madrid (UPM)

Juan Bicarregui - Science and Technology Facilities Council (STFC)

Kheeran Dharmawardena - Cytrax

Timea Biro - Digital Repository of Ireland/ RDA4EOSC

Housekeeping points

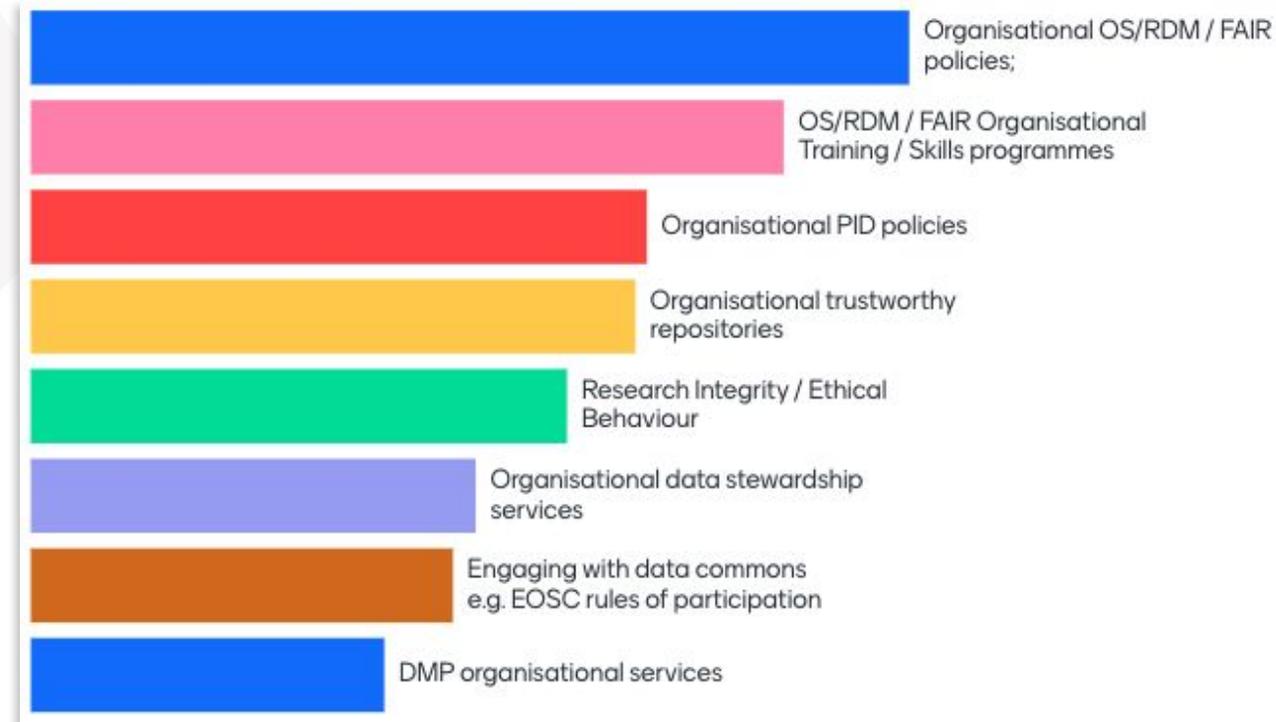
- Session is being recorded
- Please mute your mic when you are not speaking
- Please use the chat for your questions
- Feel free to raise your hand if you'd like to ask questions

Agenda

- Setting the scene - RDA4EOSC
- Addressing Organisational Interoperability - Oscar Corcho, Universidad Politécnica de Madrid (UPM)
- Discussion with Juan Bicarregui (STFC), Kheeran Dharmawardena (Cytrax) and Oscar Corcho (UPM)

Organisations

What are the focus areas organisations should look at to improve the engagement with the EOSC?



Support activities

Series of policy briefs - Focusing on different aspects of engaging with the EOSC & other data commons initiatives from an organisational perspective

Coordination webinars - facilitating the dialogue and knowledge sharing

Initial scoping with the RDA Organisational members
<https://www.rd-alliance.org/get-involved/organisational-membership>

Policy brief

Addressing Organisational Interoperability

RDA for EOSC – Policy Brief

Addressing organisational interoperability



This policy brief is targeted at stakeholders working on issues of organisational interoperability as a means of supporting coordination and collaboration, increasing efficiency, alignment and engagement with the European Open Science Cloud (EOSC).

Introduction

Achieving interoperability is fundamental for the implementation of Open Science and initiatives supporting policies and practices around that. More specifically, achieving interoperability within the European Open Science Cloud (EOSC) is essential for the federation efforts and in order to ensure that the data and services that compose the EOSC, provide added value for users and providers.

- The Why of Organisational Interoperability - the challenges
- The How of organisational interoperability - the recommendations

Value of RDA for EOSC

<https://www.rd-alliance.org/get-involved/value-rda/value-research-data-alliance-european-open-science-cloud-eosc>

<https://www.rd-alliance.org/RDA-for-EOSC>

- | **Organisational interoperability is a socio-technical challenge - RDA serves to build these social and technical bridges.** There is a need for an integrated approach that considers the technical and social architectures, including formal and informal structures
- | **Use common vocabularies and provide clear specifications** regarding processes, services, data, skills and roles internally and externally to ensure coordination, collaboration and alignment
- | **Avoid or limit organisational heterogeneity or differences in practices and processes** - start internally as departments and areas shouldn't develop in isolation from each other
- | **EOSC Interoperability Framework calls for clear guidelines for organisational interoperability through the Rules of Participation and a governance structure** that will deal with interoperability across organisations and disciplines (regarding key interoperability aspects such as data formats, AAI services, metadata schemas, ontologies etc)
- | **Interoperability certification mechanisms**
- | **Consider at all times the point of view of the researcher** - who should not face any conflicts in the steps and processes they follow

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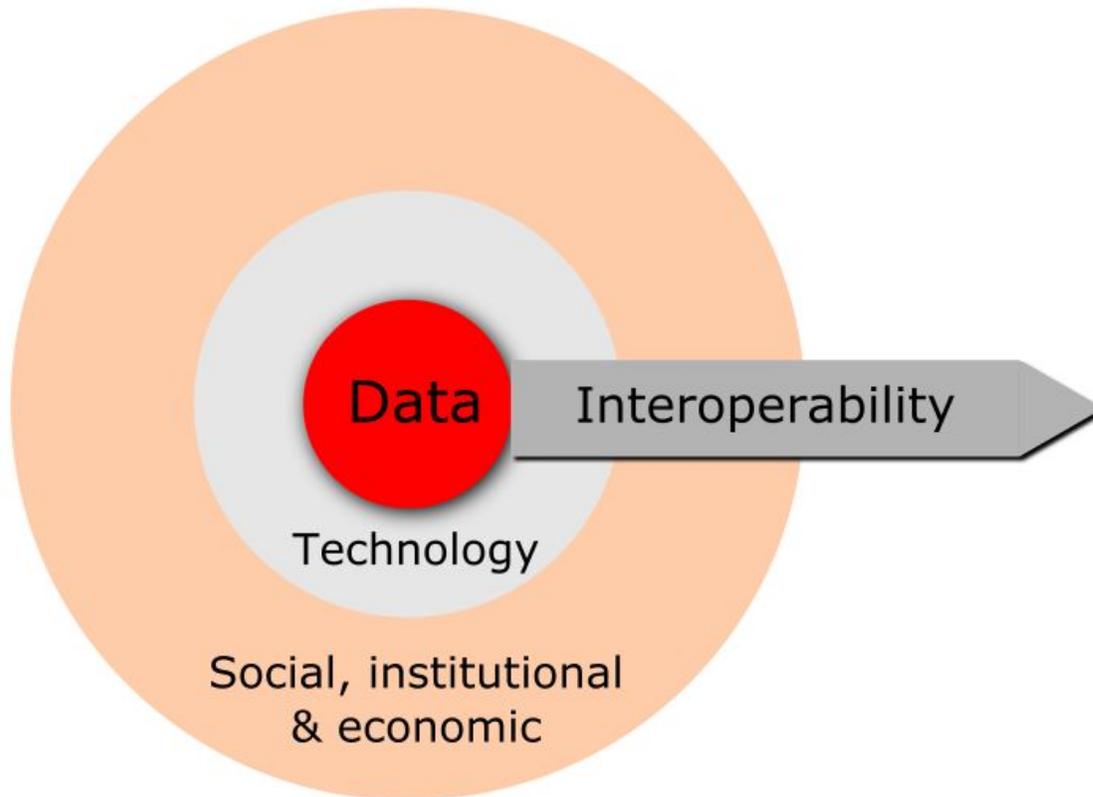
- Type of organisation
- Your role
- Your interest in the topic



Social Dynamics of Data Interoperability

Interest Group

<https://www.rd-alliance.org/groups/social-dynamics-data-interoperability-ig>



Identify organisational, institutional, economic, and individual aspects that increase the friction to achieving information interoperability.

Compile a corpus of knowledge, including models, frameworks and patterns that can be applied by practitioners to reduce friction and foster information interoperability.

Identify case studies of solutions that demonstrate the application of the corpus of knowledge on this topic.

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- Type of organisation
- Your role
- Your interest in the topic