



EOSC and the challenge of interdisciplinary research

(when the F of Findable, become a D of Discoverable)

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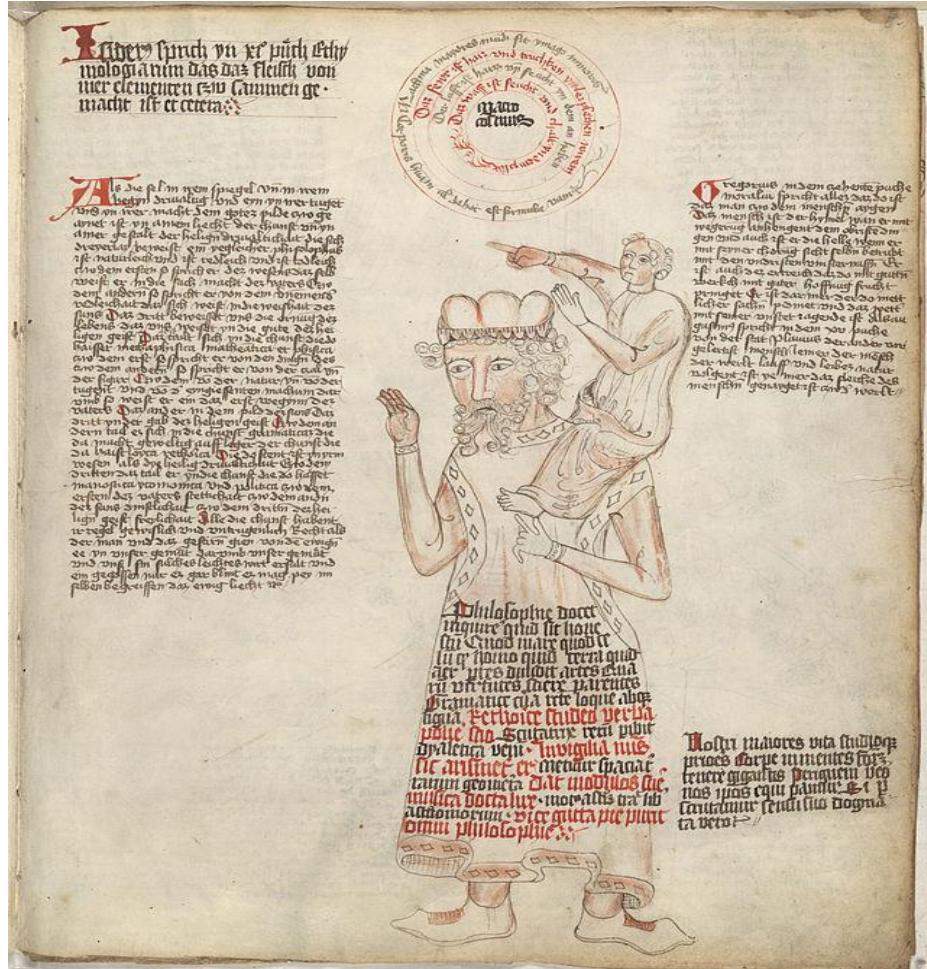
Universidad Carlos III de Madrid
Chair of the EU Open Science Policy Platform



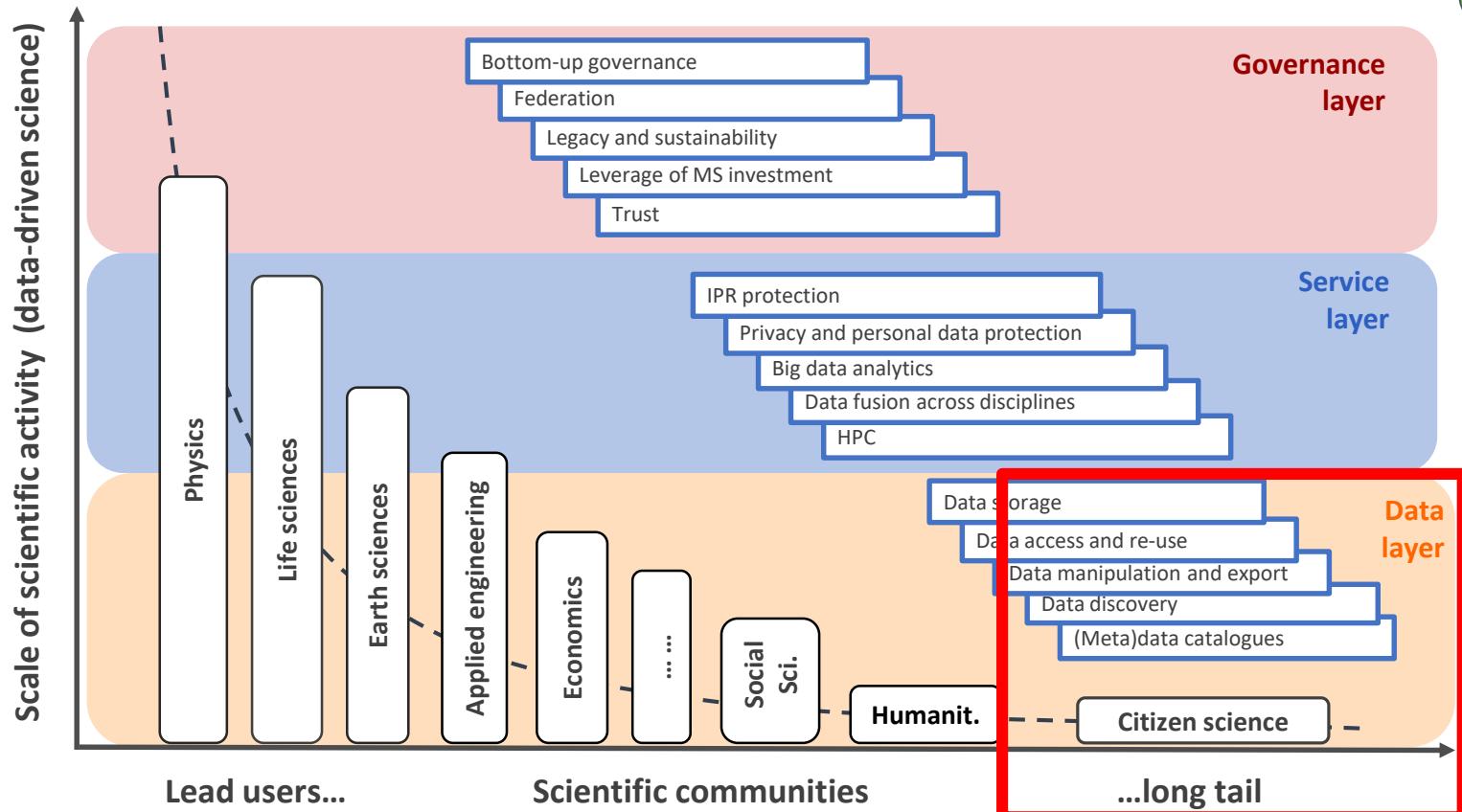
**“If I have seen
further it is by
standing on the
shoulders
of giants”**

Isaac Newton to Hooke (1676)

"discovering truth by building on previous discoveries".



Scientific landscape for EOSC



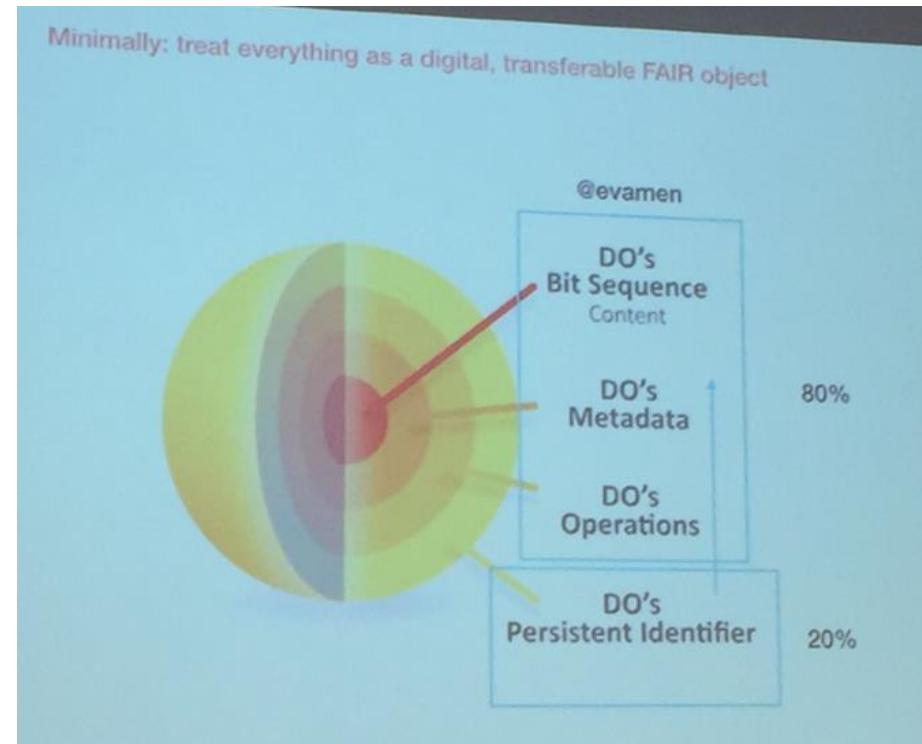
FAIR Guiding Principles

80%

Metadata

20%

Persistent
identifiers



Barend Mons @MRC-Drexel/CODATA workshop. 2018

FAIR Solutions

Persistent identifiers

Recommendations
that support
different use cases
and contexts

FAIR semantics

Recommendations
for creating FAIR
semantic artefacts

Metadata

Aligning and
integrating
metadata

Back to the problem

Metadata

are like toothbrushes...



...Everyone thinks that it is a good idea,
but nobody wants to use someone else's.

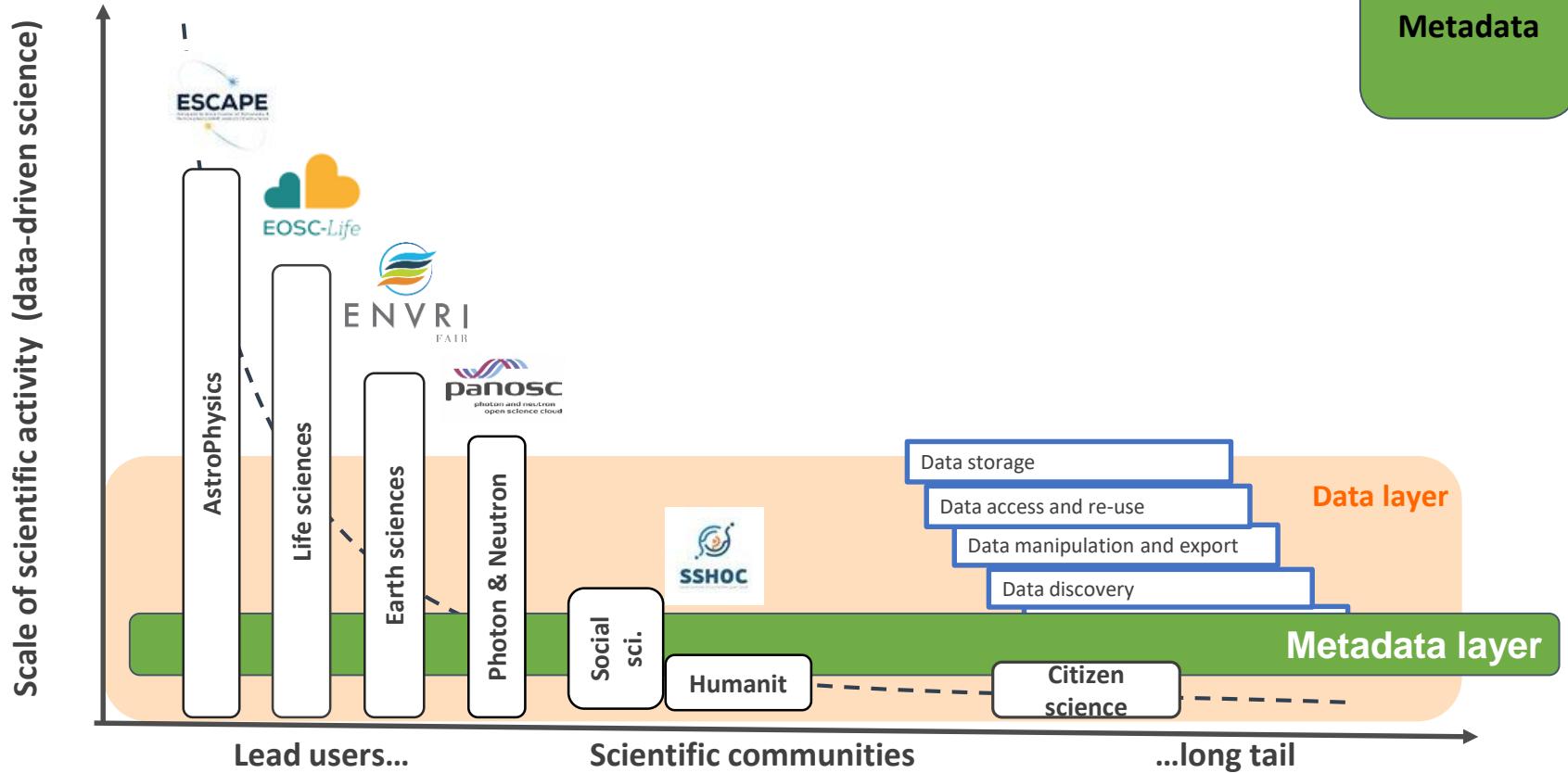
Challenges

Metadata



- **Inter-cross disciplinary** research
- Metadata **standards**: avoid the “*toothbrush effect*”
- (Meta)data **catalogue integration**
- **Metadata quality** is not only at schema level (metadata formats), but also at scheme (semantic artifacts) and content
- Good research outcomes (publications and data) include **good metadata**, but difficult to balance ***rich/cool/good*** metadata.

Proposal on integration of metadata catalogues to support cross-disciplinary FAIR uptake





Data Archiving and Networked Services



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Thank you!!

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Fostering Fair Data Practices in Europe