Supporting technologies for FAIRification
EERAdata Workshop No. 4
15 – 17 March, 2022

Round-up DAY 1

EERAdata platform is a project deliverable. Platform focuses on FAIRification; we need to move from vision to specification. Update on realistic timeline for developing the platform services.

COMETS database (Use Case 2). General workflow for machine-actionability (Steps A-E). Tools used for FAIRification: creating RDF from tabular data, querying RDF; data quality controls.

EnergieAtlas: Scenario development with geo-referenced data for (electrical) energy applications. Potential collaboration UC2 & EnergieAtlas.

Questionnaire Survey in Use Case 4: to assess the status of FAIR knowledge in the low-carbon energy research community. Please continue to comment!

Round-up DAY 2

IIASA as a data hub & capacity building for the integrated assessment community (esp. Scientific Services & Scientific Software). 2 Zenodo communities.

EU-Building Stock Observatory: 3rd Tender upcoming; mid-term perspective: EU Member States create national BSOs.

Working Session on workflows and tools for FAIRification: MURAL for gathering expectations on platform services: Clustering of Use Case-specific needs, with many common needs. Results will inform Platform design.

Round-up DAY 3

RISIS Core Facility: Scenarios (workflows) for accessing, analysing data from a range of heterogeneous SSH databases through an integrated hub.

Machine actionability: Basic understanding and relation to APIs, informing afternoon discussion. APIs as central component of web site implementation.

Human-centered digitalization: must consider stakeholders to reach. Tools, goals, and incentives don't currently align—how can this be improved? Barriers to FAIRification (Buildings, transparency and scientific underpinning of policy design, …)

Breakout Sessions on Use Case Specific features and services for the platform

EOSC: how to collaborate and contribute

Next steps for platform implementation

Working version with core resources included, building on concrete first implementations.

Focus on scientific users (identification, access, download).

Visualization features: should support multiple data resources, playing an integrative role. Build on common metadata, initially meaning Dublin Core.

Role as "switchboard".

An excerpt

Day after day, day after day,
We stuck, nor breath nor motion;
As idle as a painted ship
Upon a painted ocean.

Water, water, everywhere,
And all the boards did shrink;
Water, water, everywhere,
Nor any drop to drink.

Rime of the Ancient Mariner
Samuel Taylor Coleridge
1798

Self-made Haiku

FAIRification

Better data better world

We need them dearly

THANK YOU!

EERAdata

TOWARDS A FAIR AND OPEN DATA ECOSYSTEM IN THE LOW-CARBON ENERGY RESEARCH COMMUNITY

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