EERAdata Brainstorm

GROUP BRAINSTORM

What...

...Metadata information from the selected DB example should be included in the platform?

- confirm the database(s) covered
- We should separate into metadata that showcase the database (when presented to make further choices) and metadata that go into more detail depending on the service

  requested
- results of policy mapping
- Dublin core for sure and the rest I don't know if as metadata but at least readable by humans
- Under RDF it is possible to select the name spaces (i.e. metadata repositories). This allows showing the sources of metadata. See prefixes in RDF examples.
- the format necessary to identify the scope
- The format of the metadata
- where they are
- provide metdata standards that are relevant for the UC (results from covered databases)
- which is the common format in the field
- Metadata should be included in the platform or easily accessed from it, linking to the tool
- Dublin core fields (IUE)
- Metadata not associated with standardized schema could be used for freeform search.
- which energy field is referring

  to
- All metadata can be obtained by searching for predicates. We use as many predicates as possible from outside standards, which allows mapping.

  PREFIX dc: <http://purl.org/dc/elements/1.1/ >
  PREFIX comets: <http://www.comets-project.eu/>
  SELECT DISTINCT ?p ?o

  WHERE {
  comets:cai_fra_288 ?p ?o.

  }

How should...

... the platform present Metadata information to support FAIRification?

- it should collect all types of metadata available
- As some fields may have multiple values, an outline view would seem to work well.
- Download in a structured format should be a "presentation" option
- UC-specific filters
- examples of solutions to support the practical implementation of FAIR in policies
- Inlucde references to standards/ontologies (IUE)
- Standard format easily accessed to anyone
- Metadata are now presented in a table with links to the PID of the metadata

  standard:
  ts
  dc:date
  "2022-05-05"
- tools for testing the fulfilment of FAIR principles in relation to policies
- Will depend on what each user is used to. My preference JSON

What...

... next steps in the FAIRification process should the EERAdata platform support?

- Point towards specific data resources as examples of highy FAIR compliant and possible targets for considering interoperability
- Visualization of data and/or queries (IUE)
- UC-specific descriptive metadata standards should be collected
- Identify EERAdata/ platform-specific FAIRification objectives (IUE)
- Machine assessment of involved databases for FAIRness (IUE)
- (Current policies are not structured in machinne readable format) - promote data sharing proncicples to make data readable both for human and

  machines.
- top-level standard descriptive

  metadata standard
- Identify domain standards (IUE)
- Consensus among use cases for the semantic model (IUE)
- Define the ontology/ semantic (meta)data model to be used (IUE)
- Identify tools for exploiting/ querying qualkitative data
- Set standards to be used
- Keyword based suggestion of metadata standard with link to PID
- EERAdata should propose some FAIRification workflows
- Communication / collaboration with related projects/ initiatives
- automated matching tools to create suggestions for subsequent manual matching
- visualization of a descriptive metadata

  tree

What...

... should the platform not include?

- Partial data with missing fields/ entries
- Analytics, maximum mapped results (e.g., sourcing from open street map)
- Thematic ontology that is overly detailed, beyond what the data supports.
- Tools for developing new ontologies
- Legal advice, e.g., we should not be advising on GDPR compliance, although we might mention it as an issue to consider
- whether the platform should catalogue all databases or whether it should only collect examples of good practices in the implementation of FAIR
- Too technical information, it should be a

  friendly platform
- visualization features if there is already something available at the targeted resource

What...

... existing FAIRification tools should we integrate/ reference?

- Service of versioning - showing a timeline with milestones in the development of a database (incl. if it is not updated)
- Worked examples (with option to get detailed information, with link to publication - for example: commented UC2 implementation)
- Link to all EERAdata material
- Links to contacts and relevant working groups of RDA/EOSC and OEO etc.
- Tools for fair verifications, both automatic and manual
- Links to existing FAIR assessment tools (e.g. Evaluator, RDA FAIR assessment tool) (for reference/ benchmarking)(IUE)
- a dynamically constructed ontology that can be linked to other ontologies - an ontology mapping tool
- Table showing the PID standards across different sources (e.g., comparing validates definition with schema.org definition). To highlight differences. Emphasis should be given to those definitions available from the energy sector.
- Keyword based search that shows what information the platform has to offer
- a dynamically constructed ontology that can be linked to other ontologies - an ontology mapping tool

UC1

UC2

UC3

UC4

ANY UC

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