



# ESCAPE

European Science Cluster of Astronomy &  
Particle physics ESFRI research Infrastructures

## ESCAPE OSSR

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# eOSSR status

- Some troubles after Zenodo backend update
- Most bug now fixed in master
  - all unit tests are passing
  - CLIs scripts are working
  - => main fonctionnalités recovered
- Breaking API changes
  - Took it as an opportunity to make some refactoring and streamline the API
  - v2.0.0 coming soon to provide a working release to users (might not be exempt of bugs – tests from other users are still welcome => open issues)
- Some changes in the metadata schema
  - keywords are now subjects in Zenodo, in particular to search for records:  
``search_records('free text search', subjects='CTA' )``



# codemeta v3

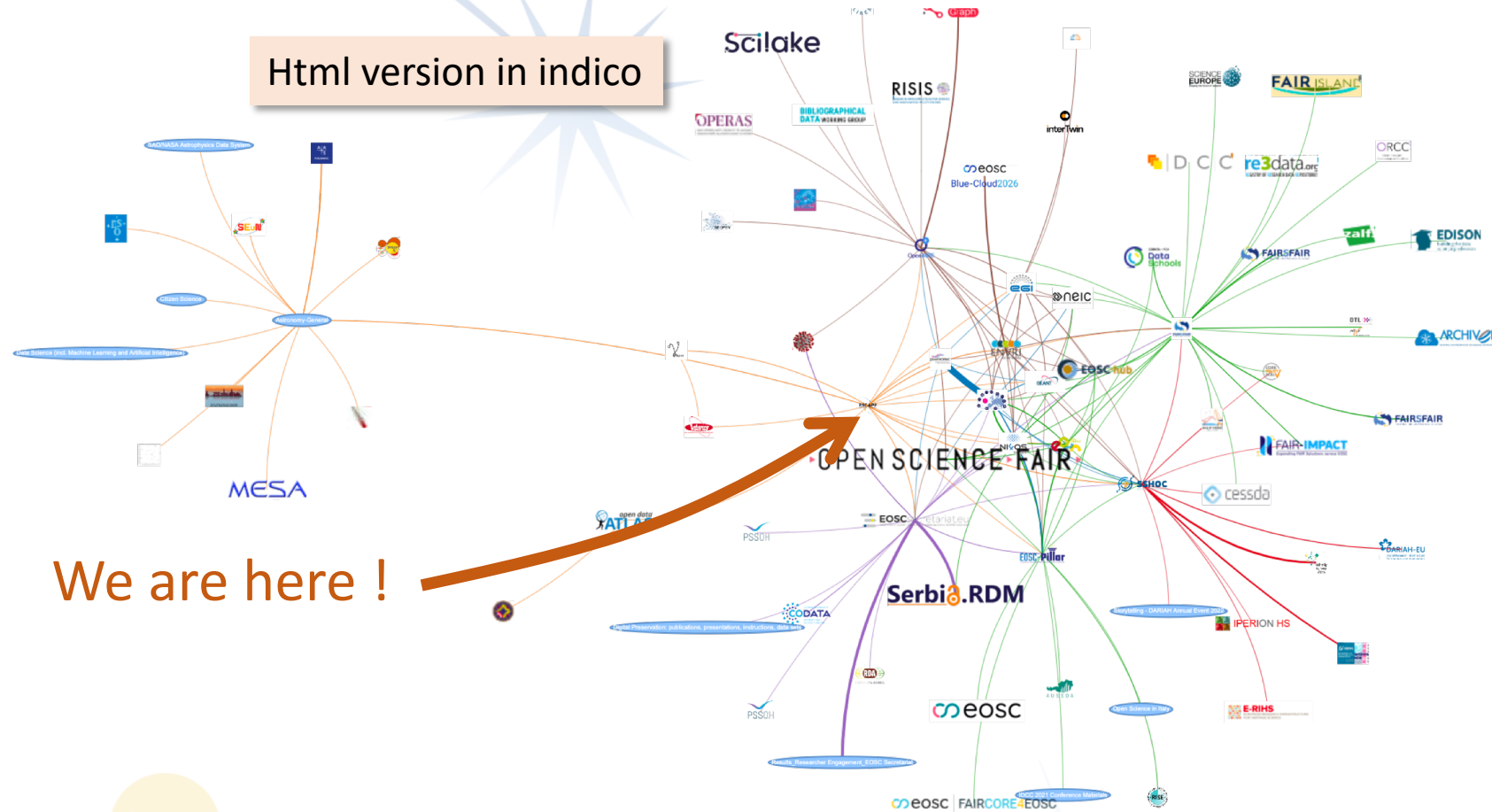
- Re-implemented how the codemetatozenodo converter works to
  - be actually based on the metadata table [https://escape-ossr.gitlab.io/eossr/metadata/ossr\\_metadata.html](https://escape-ossr.gitlab.io/eossr/metadata/ossr_metadata.html)
  - this is derived from <https://github.com/codemeta/codemeta/blob/master/crosswalk.csv> - **but codemeta table is not actionable**
  - the converter uses the *Property* and *Type* columns to know how to convert
  - updating the table automatically updates the converter – as less hardcoding as possible
- Updated table with codemeta 3.0 (note: no doi for codemeta-3.0?!)
- Inclusion of codemeta-1.0 and codemeta-2.0 for backward compatibility



# New functionality coming for communities: network graph!

- Records can be part of several communities → use them to link communities
- Build a graph with nodes as communities and edges as relations
- Node size = number of records in the community
- Edge size = number of shared records
- Use Louvain algorithm to cluster communities = color coded edges

Algo: start from a community, get its metadata, get list of records, for each record list other communities, repeat  
 Beware: this is exponential ! - limit to 2 degrees of neighborhood



Observation for the OSSR: we are more connected to “FAIR” and “EOSC” communities than to science domain or ESFRIs communities

