Insights from research assessment and bibliometric experts

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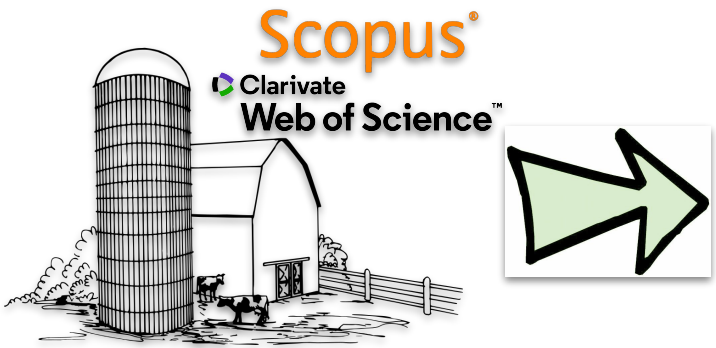
Context

GraspOS - Next Generation Research Assessment to Promote Open Science (https://graspos.eu)

OI4RRA - COARA WG Towards Open Infrastructures for Responsible Research Assessment (https://coara.eu/coalition/working-groups/wg-towards-open-infrastructures-for-responsible-research-assessment-oi4rra)

Both contexts focus on the need for and rise of
Open Infrastructures for Research Assessment

Open Infrastructures for Research Assessment



Intended usage of SKG-IF

- Foreseen as the identified **backbone** of such infrastructures
- ***"Lingua franca"*** that glues together different building blocks and enable exchange of information across federated data sources and services
- Some **SKGs already committed** (OpenAIRE, DataCite, OpenCitations), others contributed and are checking our work (Crossref, OpenAlex)

Current limitations of SKG-IF towards RA

In the current iteration of the SKG-IF, a **few aspects** that are crucial for research assessment **are missing**

- The fields describing entities in the SKG-IF Core model are currently **limited to bibliographic metadata**
- No coverage of potentially relevant **indicators** to quantify impact and usage
- No inclusion of **narratives** providing context to contributions to science

Current work extending SKG-IF

Within **GraspOS**, we formed a WG discussing on the **SKG-IF extension**

- Specification of **indicators as a "decorator"** of the SKG-IF Core entities
  - Build on previous experience from data sources sharing this kind of information
  - Identify and prioritise **entities to target** (products, actors, organisations, grants, etc…)
  - Define an **adequate data model for indicators** enabling explainability (e.g., how a given indicator has been calculated, using which data, under which circumstances, validity, etc…)
- Definition of the **data model for CV narratives** at multiple levels
  - Single research products
  - Streams of research products
- **Customisation of core API** specifications
  - Core APIs are bare-bones (i.e., a resolver with optional HTTP parameters)
  - Play with HTTP parameters and see if this can cover all the requirements
  - Optionally add new REST methods to cover what is needed