

# Insights from research assessment and bibliometric experts



**Andrea Mannocci**

CNR-ISTI  
GraspOS pilot on national research organisation  
RDA SKG-IF co-chair

*Insights from research assessment and  
bibliometric experts*

# Context

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

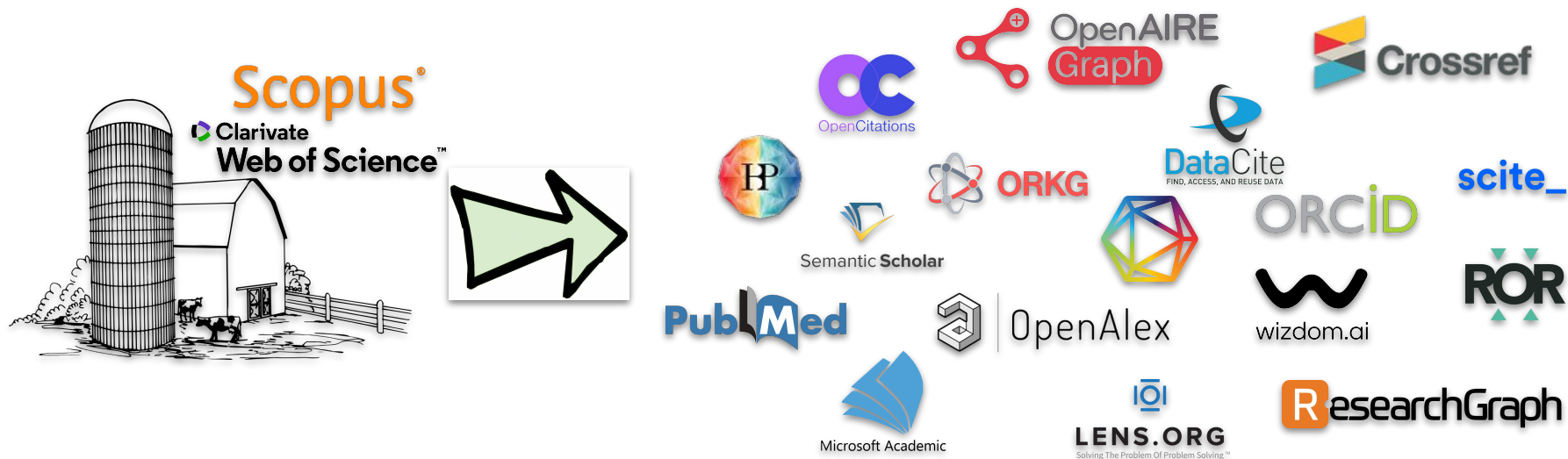


**OI4RRA** - COARA WG Towards Open Infrastructures for Responsible Research Assessment  
(<https://coara.eu/coalition/working-groups/wg-towards-open-infrastructures-for-responsible-research-assessment-oi4rra>)



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