



HERMES

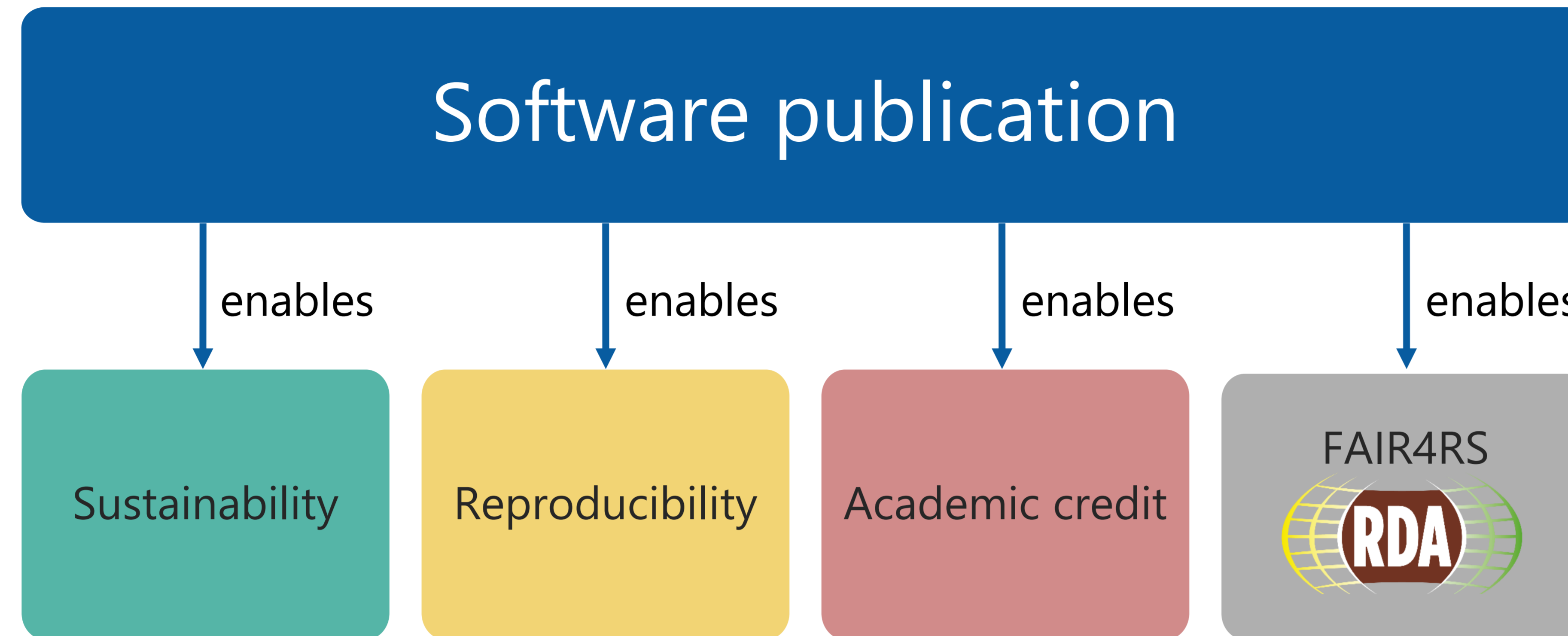
- [project.software-metadata.pub](https://project.software-metadata.pub)
- [github.com/hermes-hmc](https://github.com/hermes-hmc)
- [team@software-metadata.pub](mailto:team@software-metadata.pub)

# Automated FAIR4RS software publication with HERMES

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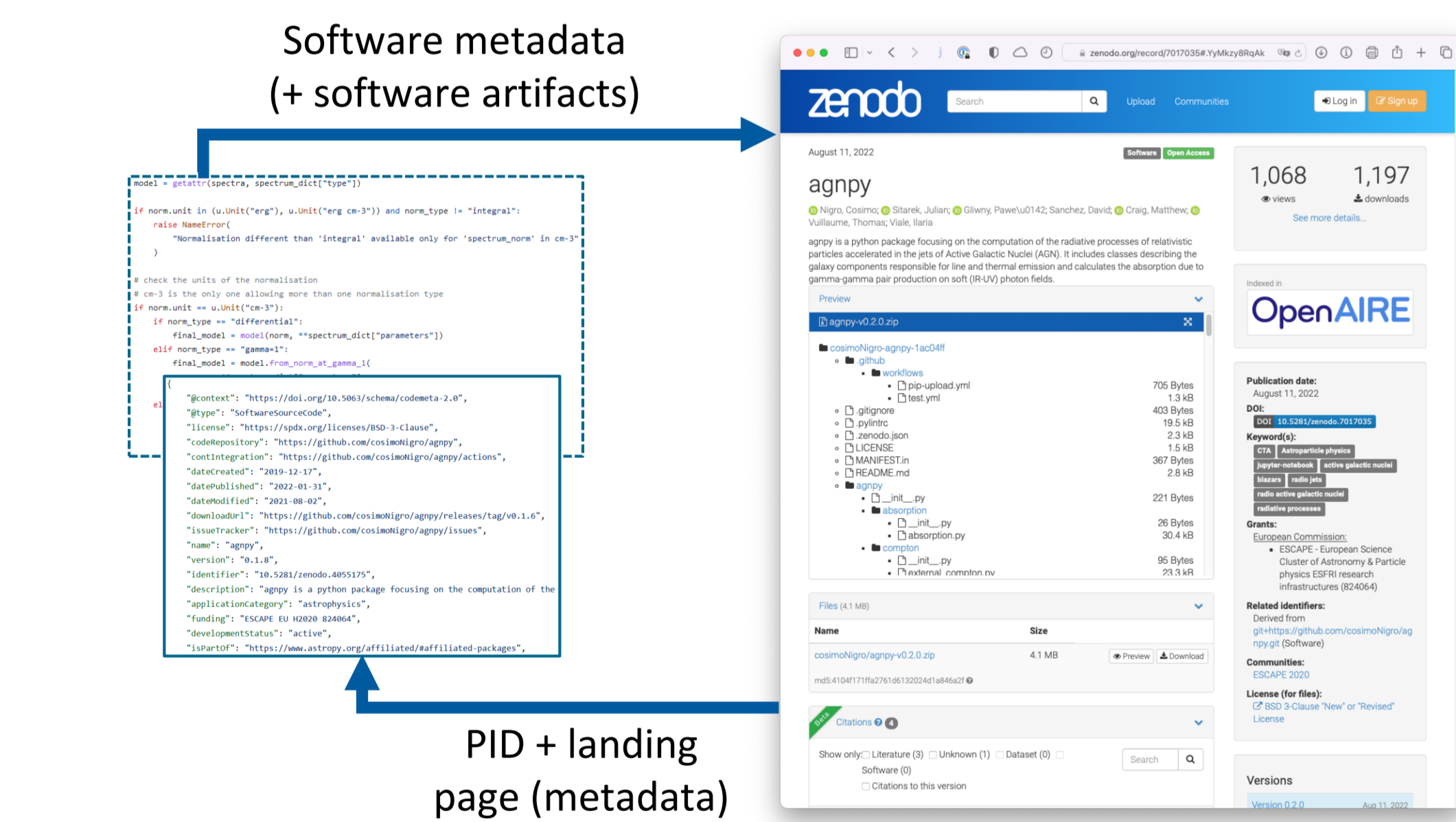
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“To satisfy the principles of [FAIR research software](#), software sustainability and software citation, research software must be formally published. Publication repositories make this possible and provide published software versions with unique and persistent identifiers. However, software publication is still a tedious, mostly manual process and impedes promoting software to first class research citizenship.



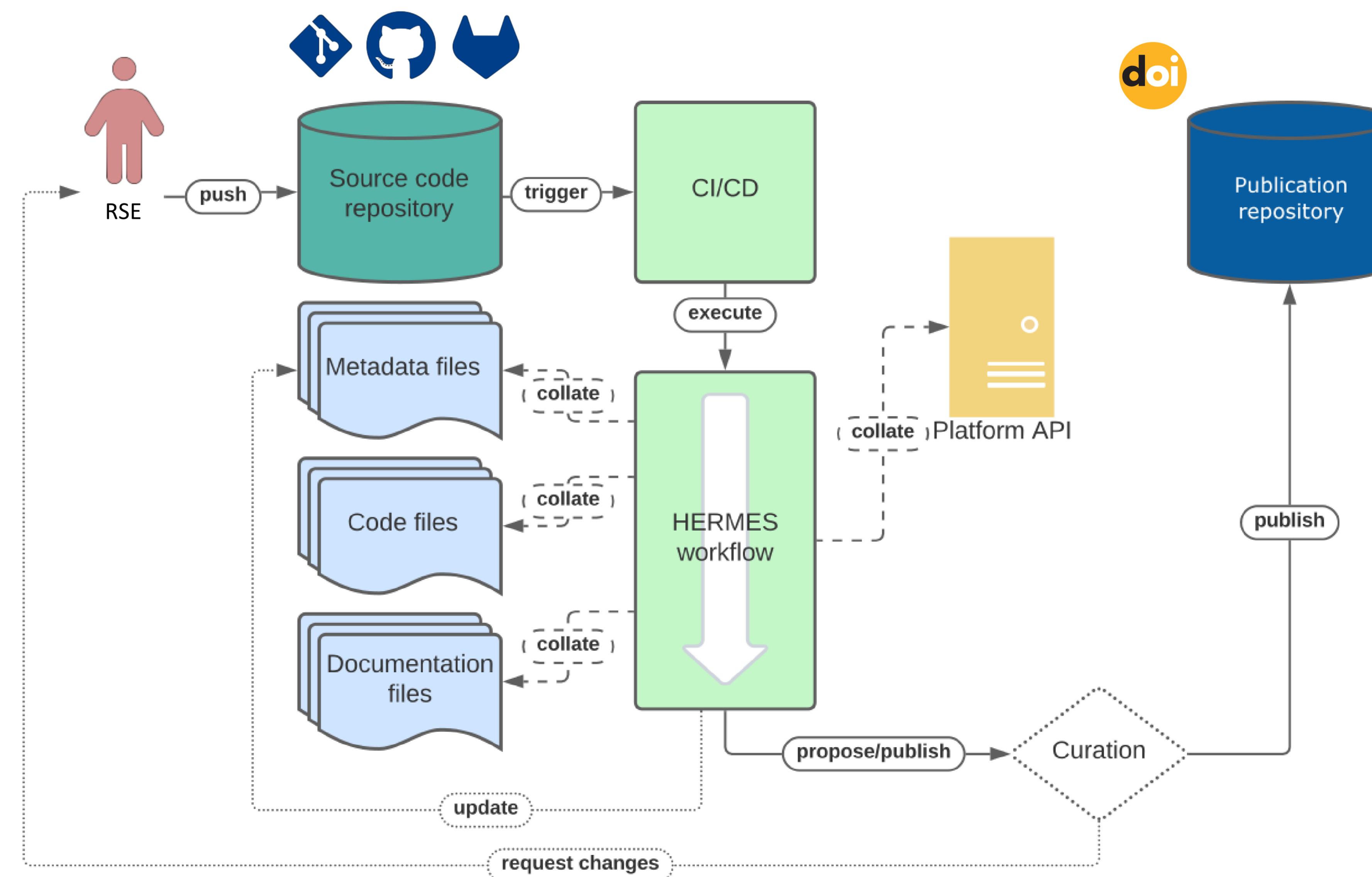
## The State of the Art



- Pull-based workflows**
- Code & metadata must be accessible and properly formatted
  - Less control over extracted metadata
  - Centralized service
  - Most prominent examples: Zenodo (and SWH)

- Push-based workflows**
- Works for all types of software (closed, restricted, embargoed, open source)
  - Complete control over metadata
  - Distributed approach
  - Not many examples or standardised procedures

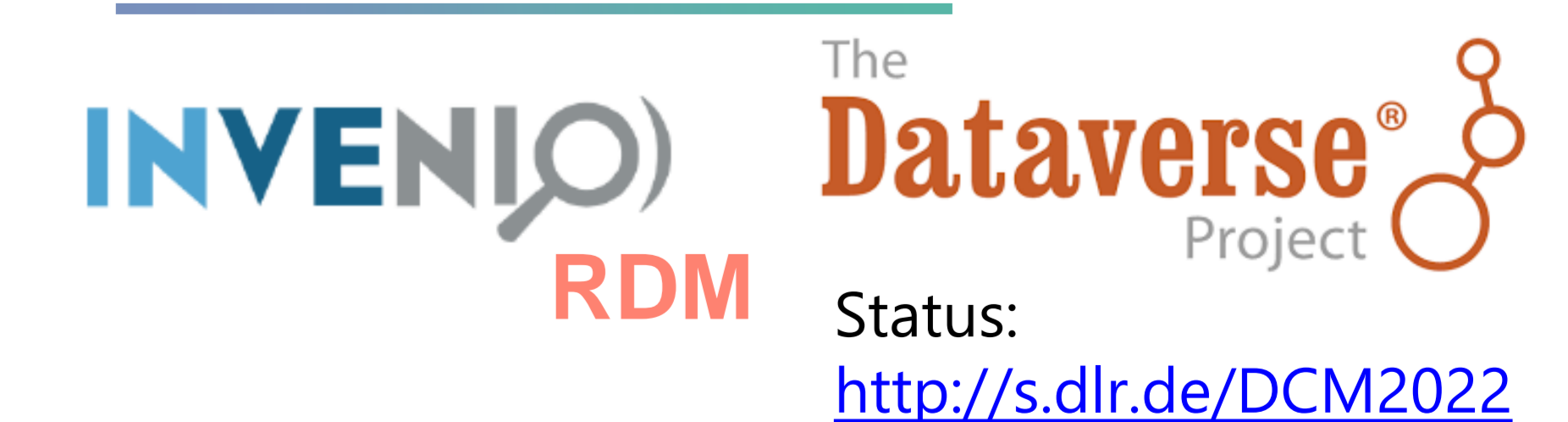
## Simplified Overview of the HERMES Workflow



## Where we are

- ✓ **Harvesting:** Citation File Format, CodeMeta, Git
  - **Processing:** Unified data model
  - **Curation/Deposition:** Deposition pipelines and user feedback (currently: logs)
  - **Post-processing:** (CodeMeta files)
- ✓ Done (further work in progress) | ● In progress
- 👉 **Outreach & community:**
    - Community workshop 2021
    - Presentations & active stakeholder outreach
    - Workshop at [#RSECon22](#)
    - Growing potential user base: *SURESOFT, HIFIS / Helmholtz RSD, The Carpentries*

## Target Repositories



HERMES



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