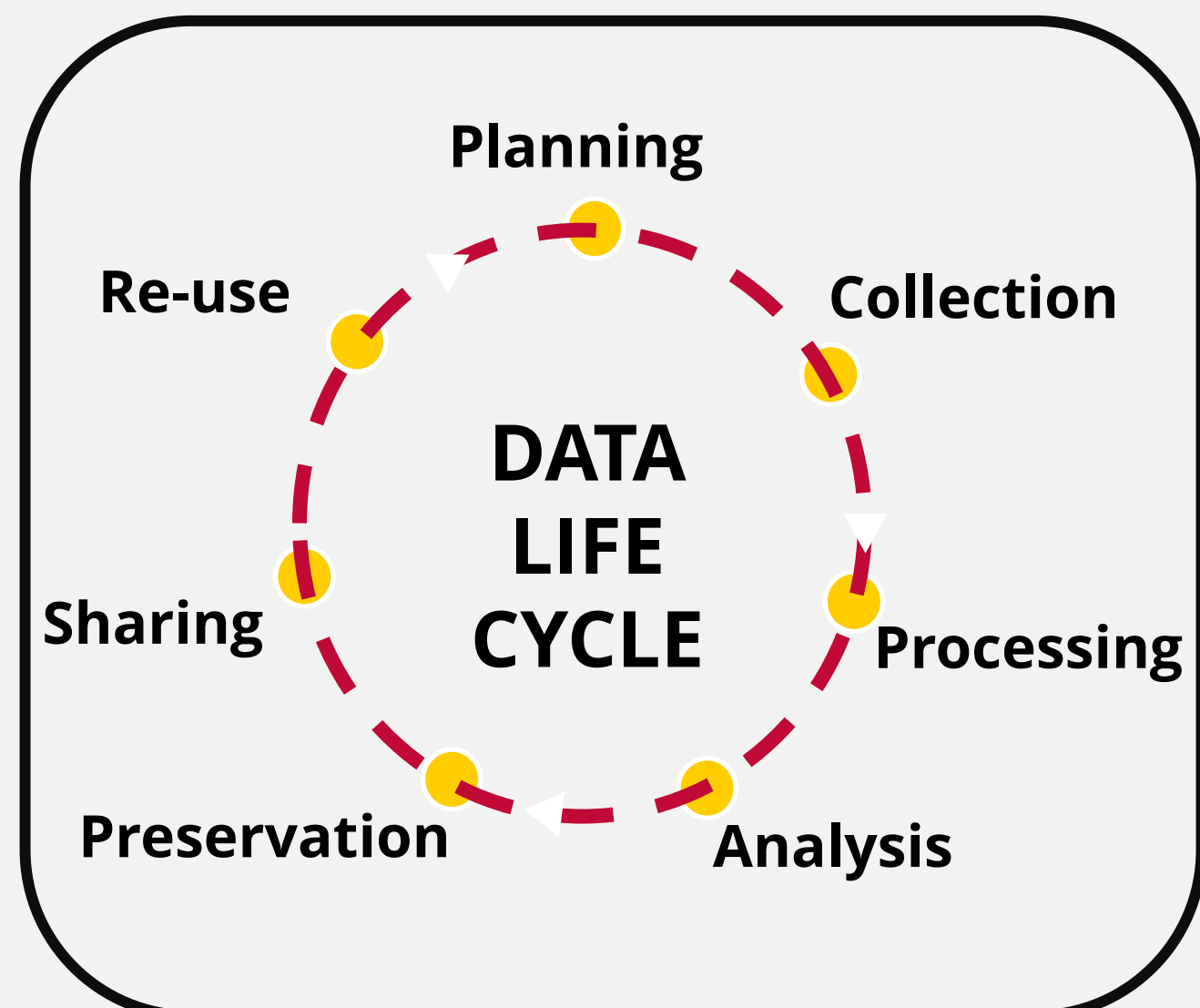


How to Practise Open Science in the Faculty of Geosciences

Research Data Lifecycle

The **data life cycle** provides a structured way of thinking about how research data is created, used, shared, and preserved. Using the data life cycle as a framework can help you engaging in **open science**.



👉 In short, the data life cycle is a **bridge**: it translates the ideals of open science into the everyday research practices you already follow, showing them *where* and *how* they can engage without your workflows have to be reinvented.

Connects to your workflows

- Projects are normally divided in stages. The data life cycle maps directly onto this process, so it feels relevant rather than abstract.

Highlights practical benefits

- By showing how open practices improve reproducibility, visibility, and collaboration, the life cycle demonstrates concrete payoffs for researchers.

Makes open science less overwhelming

- Open science can seem like a big cultural shift. Framing it within the life cycle breaks it down into manageable steps, that can be adopted gradually.

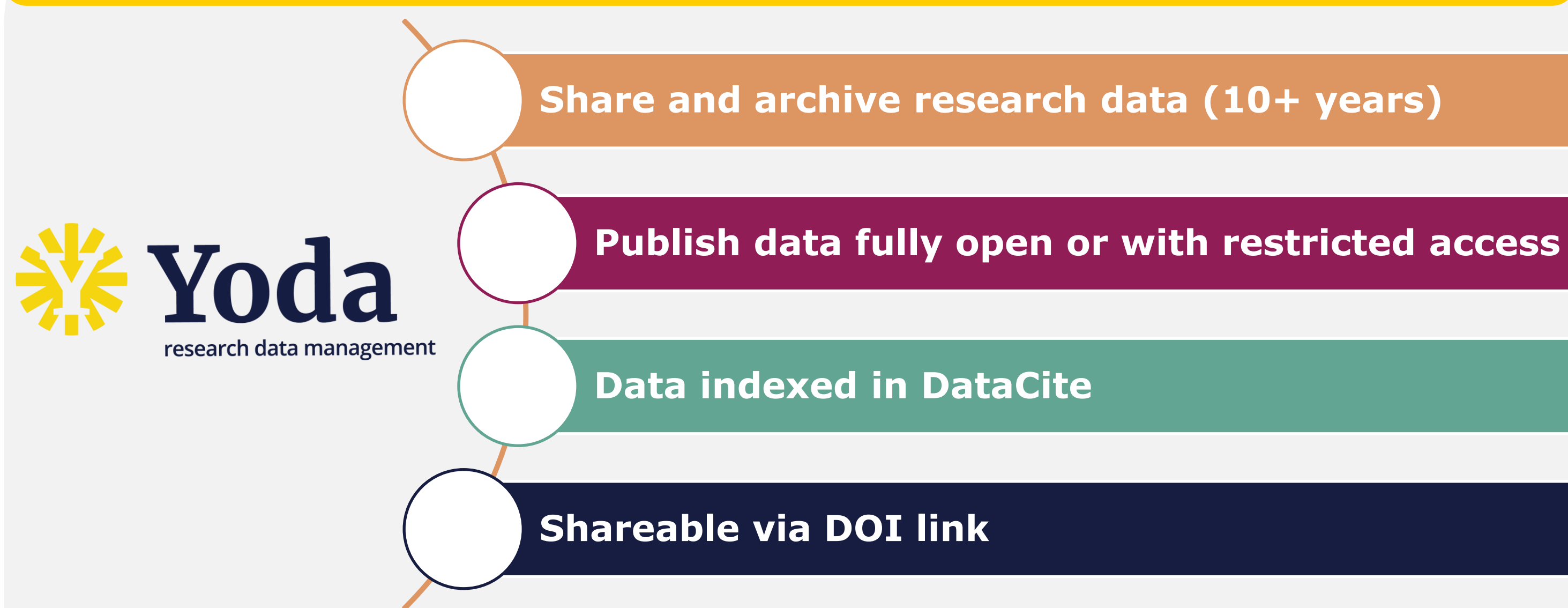
Links compliance and impact

- Many funders and journals now require data sharing. The life cycle clarifies *when* and *how* to address these requirements, while also emphasizing the broader scholarly impact.

Encourages reflection on long-term value

- Research projects are often focused on immediate research outputs. The life cycle will remind that data has a longer lifespan and can generate new knowledge, when openly shared and preserved.

Yoda & Data Archive Geosciences



Data Archive Geosciences (DAG): A special data archive platform based on Yoda within the Faculty of Geosciences to archive data after your project ends.

Open Access Publishing with the UBU

The University Library (UBU) has a lot of guidance and advice for publishing your article or book as Open Access:

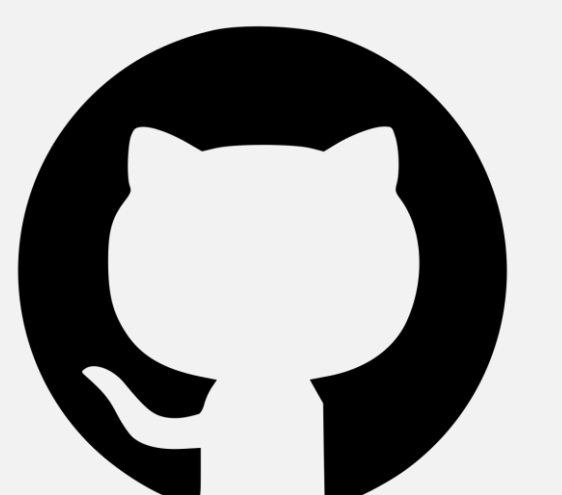


For help with open access publishing, contact the library at bibliotheek.publishingsupport@uu.nl

Publishing Code: UU GitHub Organization

Publishing on GitHub is an easy way to share your code and scripts with the world. There are many easy-to-use tools to help you create a rich repository for re-use:

- **Share code & scripts easily**
- **Automatic README.md creation**
- **LICENSE file creation and recognition**
- **GitHub-Zenodo integration → DOIs**



Utrecht University has an organization on GitHub that unlocks several more features for users:

- ✓ **More storage in a repository**
- ✓ **More GitHub Actions time**
- ✓ **Access to GitHub CoPilot**

The Geo Data Team offers a workshop on Git & GitHub, covering versioning, branching, and pull requests. Email us to schedule →



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