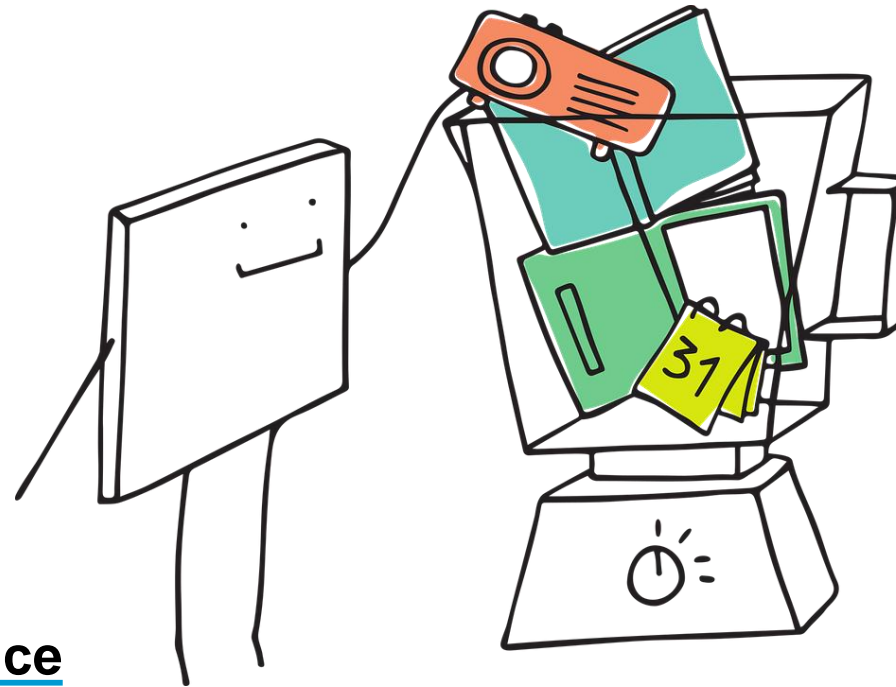


Repositories

An introduction

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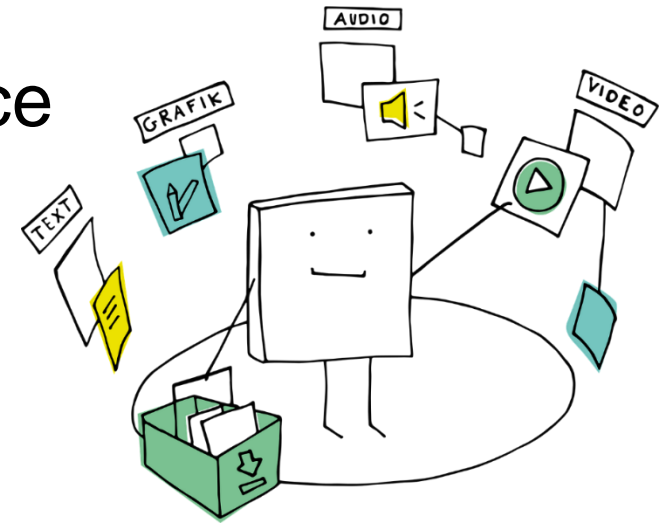


Agenda

- **What is a repository?**
- **Different types of repositories**
- **Why use a repository?**
- **Finding the right repository**
- **Components of a repository**
- **KonDATA**

What is a repository?

- A service for publishing (and accessing) digital objects
- Interaction between software, hardware and service



- In this context: not to confuse with software repositories on Github/Gitlab etc.

What is a repository?

- Common features

Metadata
description

Persistent
identifier(s)

Roles and
rights
management

Embargos

Licensing of
publications

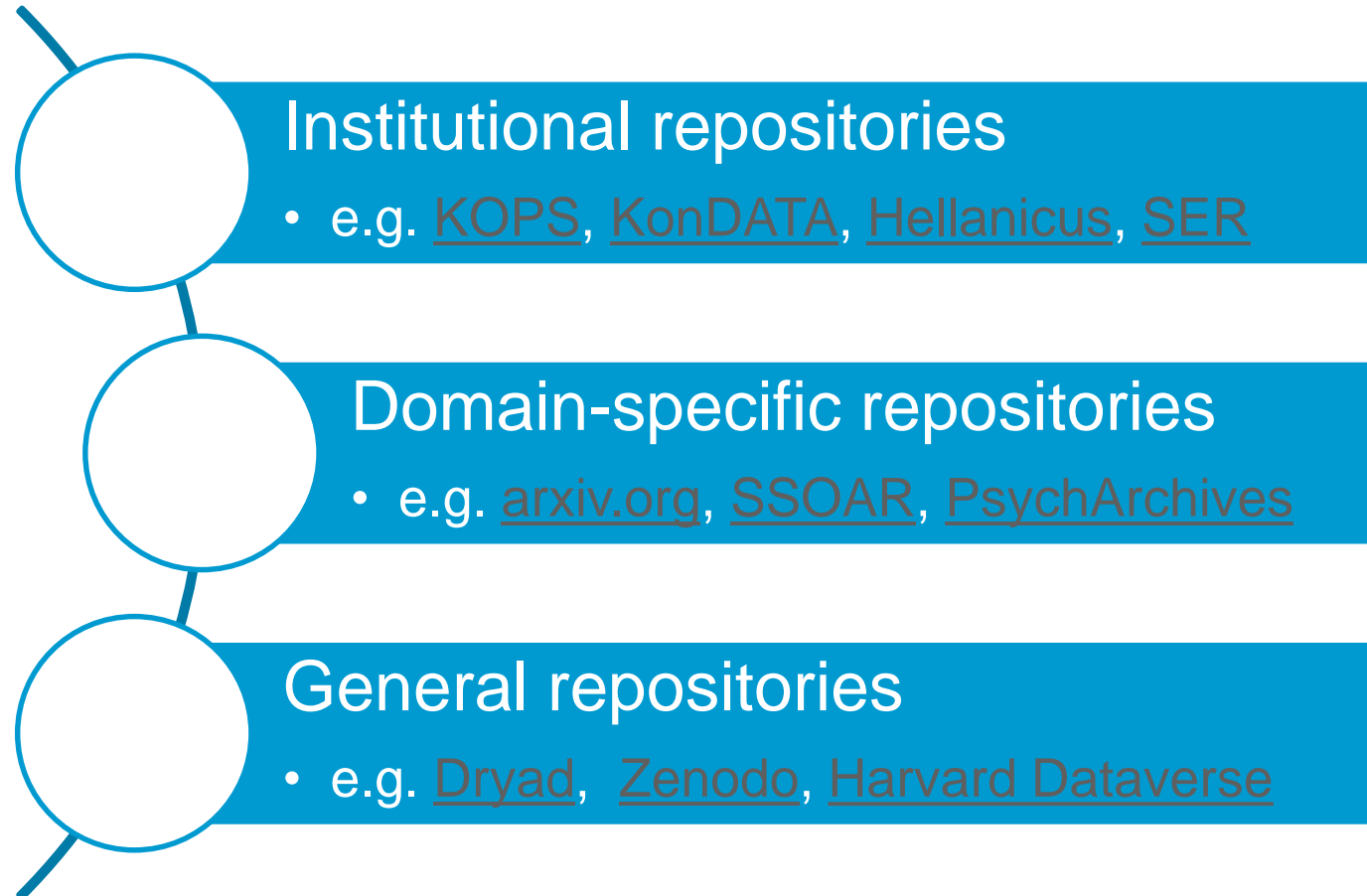
Different types of repositories

- Distinction based on repository contents



Different types of repositories

- Distinction based on targeted users



Why use a repository?

Publishing in a repository

- Increased transparency, findability and reusability of your research
- Efficiency
- Reproducibility

Accessing repository contents

- Staying up to date in your scientific field
- Potential reuse of contents for your own research

Finding the right repository

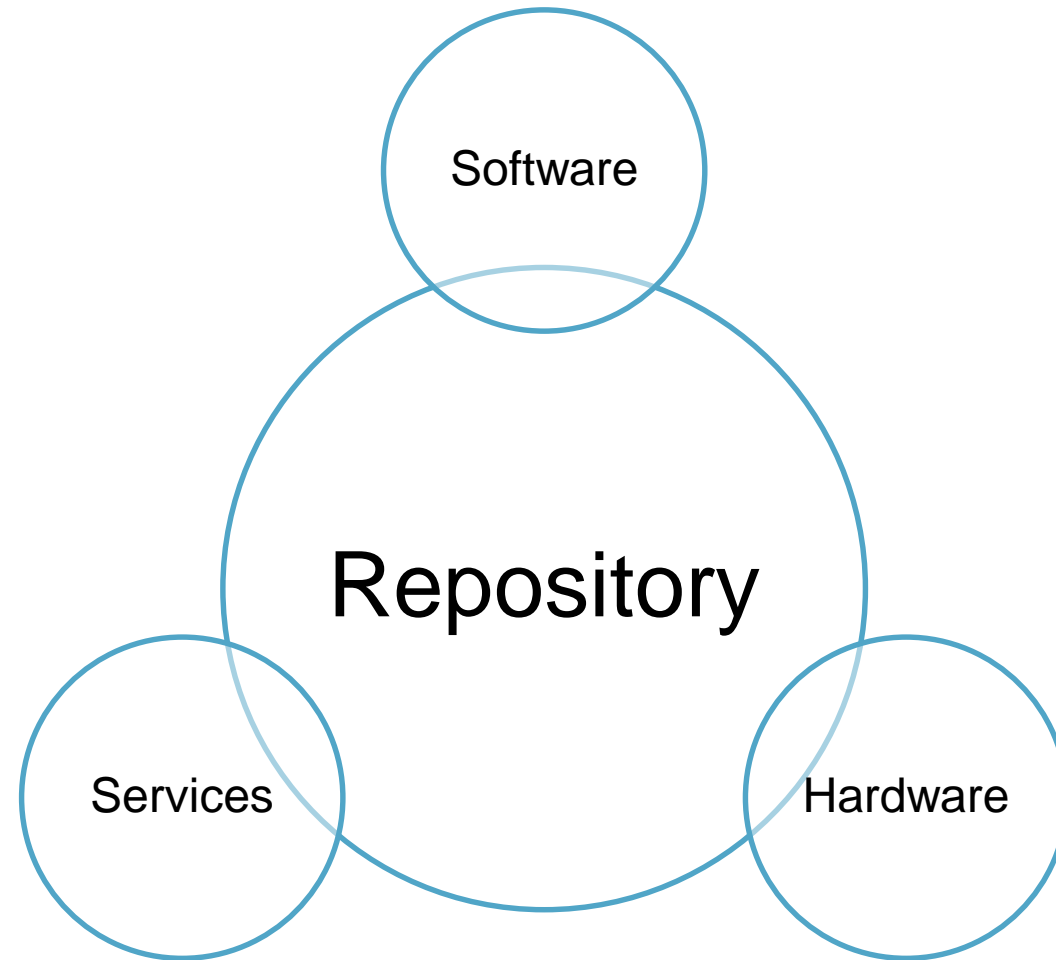


- Open access publication registry currently ~ 5900 indexed repositories
- Search features include e.g. filtering by repository type, content types and countries

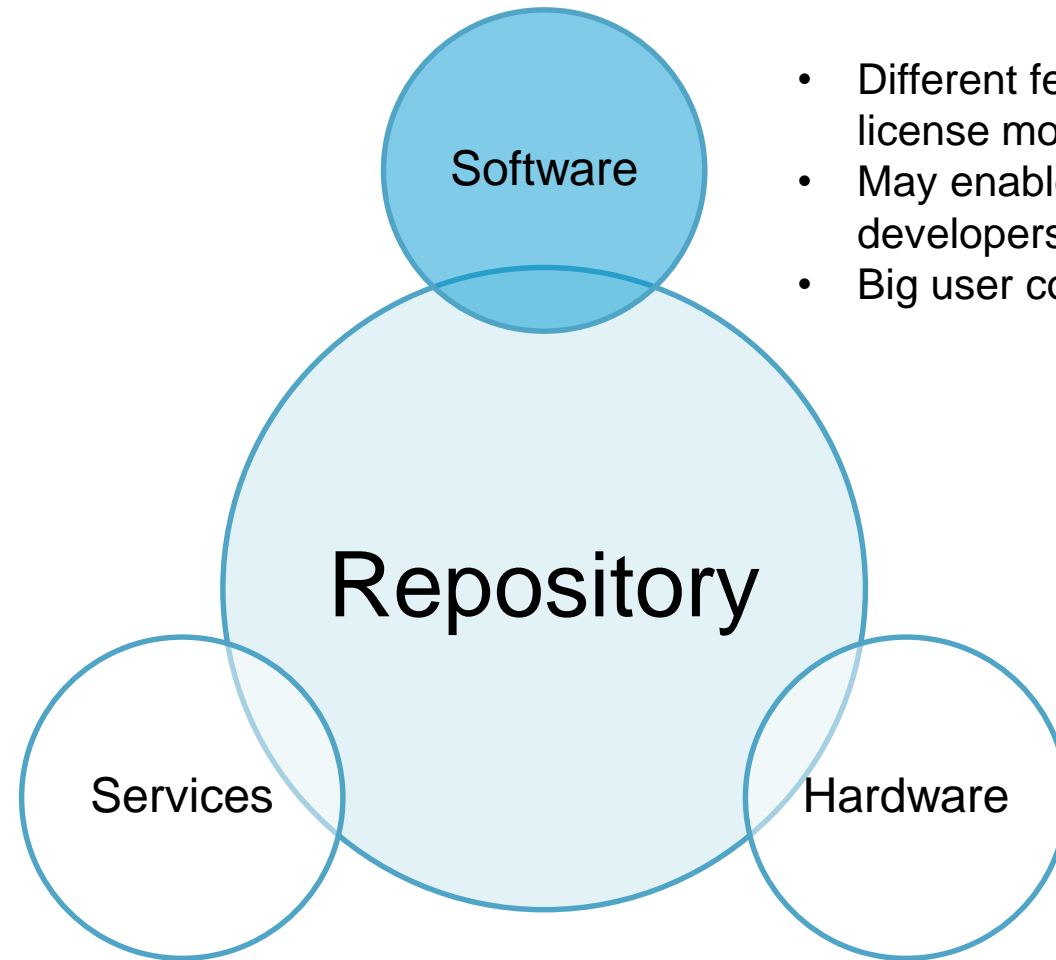


- Research data repository registry currently ~ 2900 indexed repositories
- Search features include e.g. browsing by scientific subject, facets and more

Components of a repository

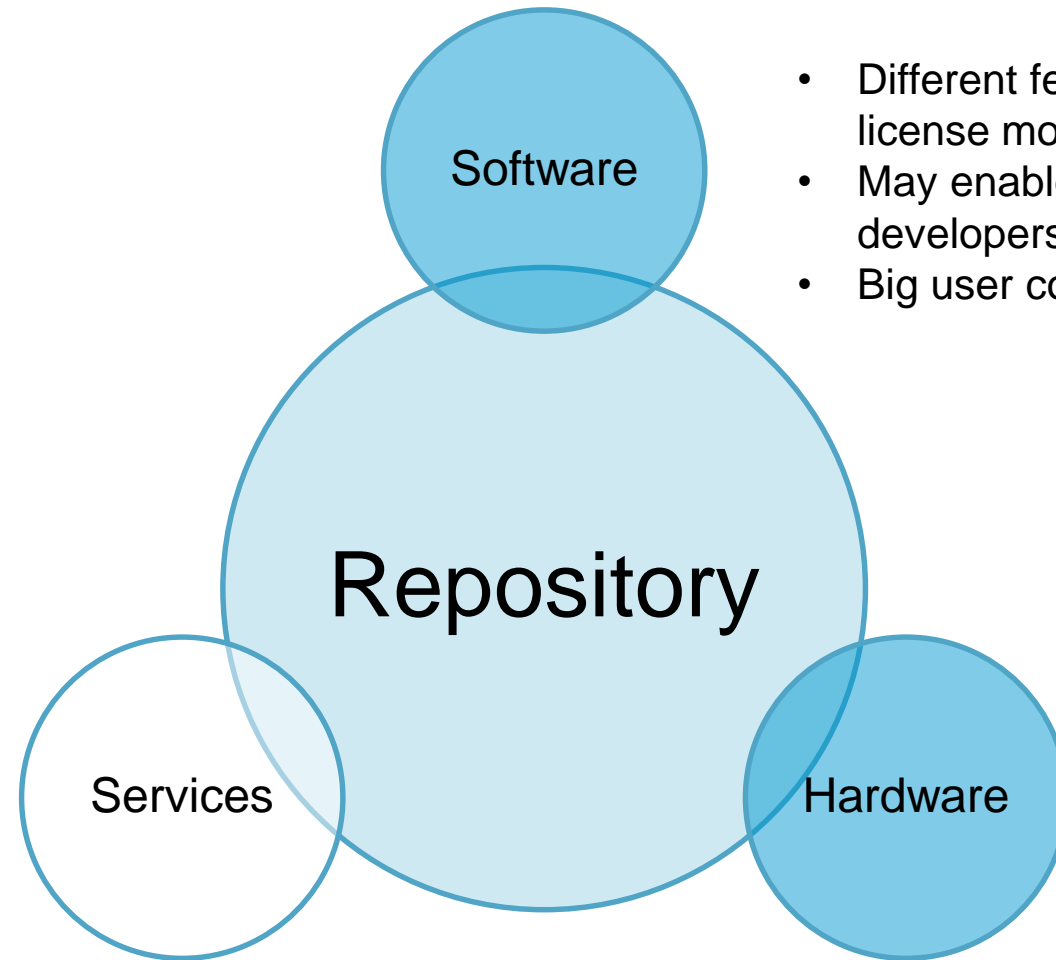


Components of a repository



- Different features, programming languages, license models
- May enable feature expansion by local developers
- Big user community may increase sustainability

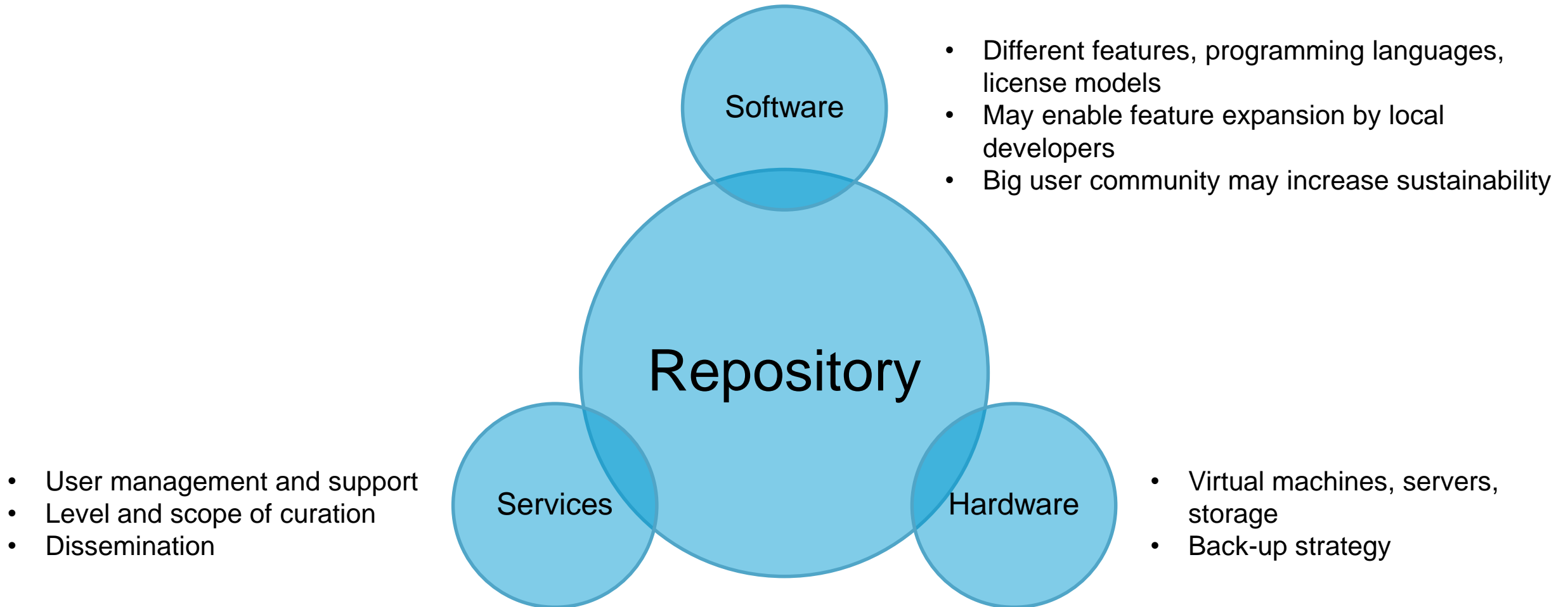
Components of a repository



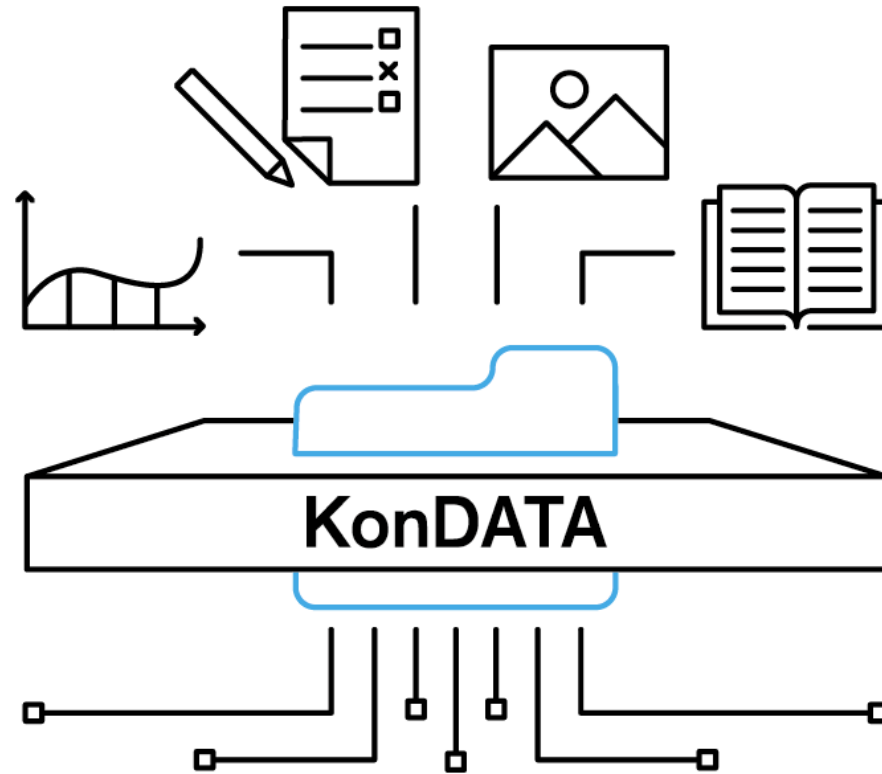
- Different features, programming languages, license models
- May enable feature expansion by local developers
- Big user community may increase sustainability

- Virtual machines, servers, storage
- Back-up strategy

Components of a repository



KonDATA



<https://kondata.uni-konstanz.de/>

KonDATA

- **Institutional research data repository of Uni Konstanz**
- Started its operation in November 2021
- Open for publishing to all members of the university
- Hybrid operating model
- Based on RADAR Local by FIZ Karlsruhe

KonDATA – operating model

KIM

- Provides infrastructure
- Supports researchers during publication
- Data curation

RADAR

- Maintenance and updating of complete software stack
- RADAR development

Conclusion

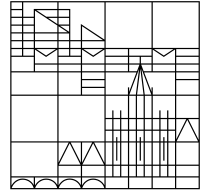
- **Repositories are services for publishing (and accessing) digital objects**
- **They can be distinguished by content type or target audience**
- **Using a repository has benefits (as publisher and as content user)**
- **Operating a repository consists of software, hardware and services**

Sources

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- Sherpa.ac.uk: OpenDOAR. <https://v2.sherpa.ac.uk/opendoar/> [18.11.2022].

List of figures

- Slide 1, 3: Manfred Steger, Pixabay.
- Slide 8: OpenDOAR. <https://v2.sherpa.ac.uk/opensoar/>.
- Slide 8: re3data. <https://www.re3data.org/>.



Thank you!

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