



Coscine – Research (meta)data management made easy

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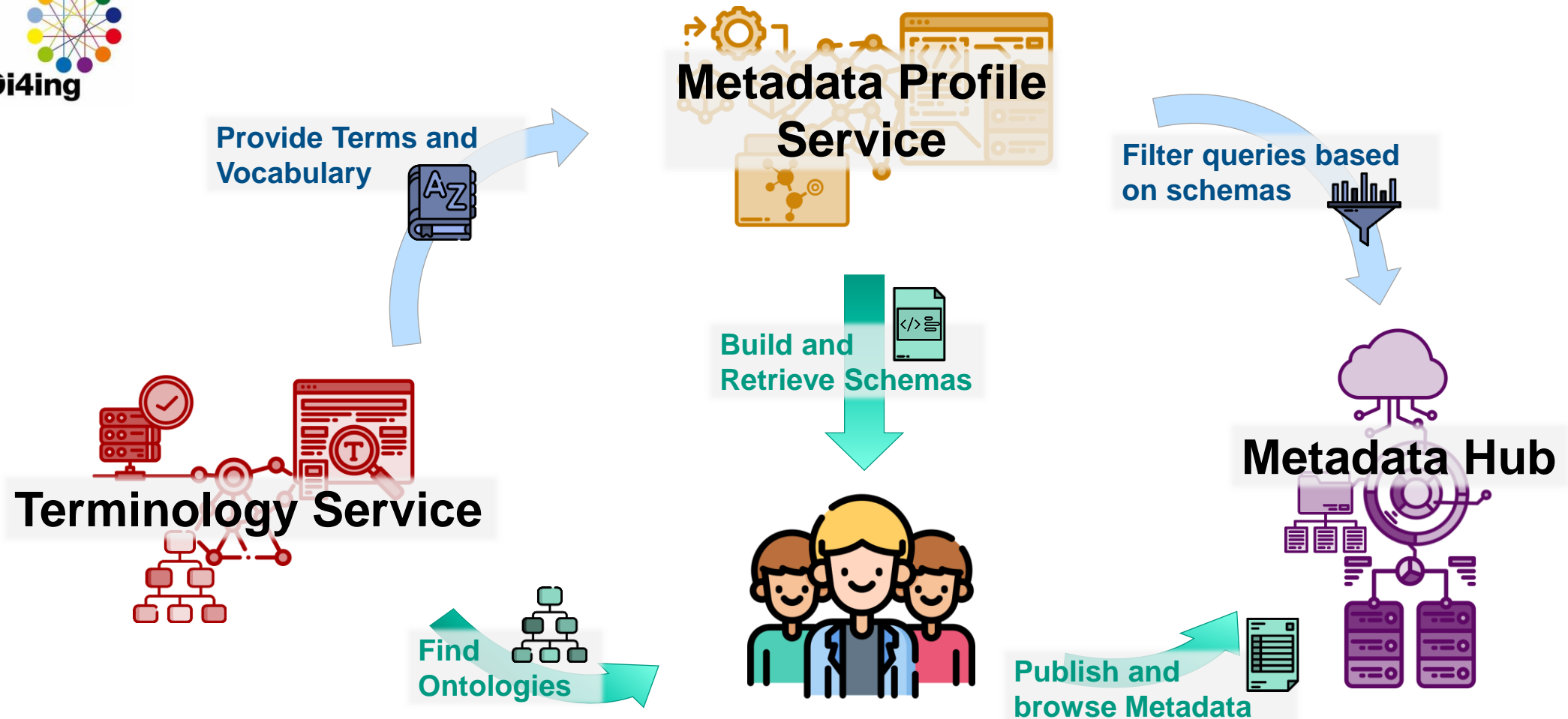
2022-03-03 NFDI4Ing Community Meeting CC-41 2022



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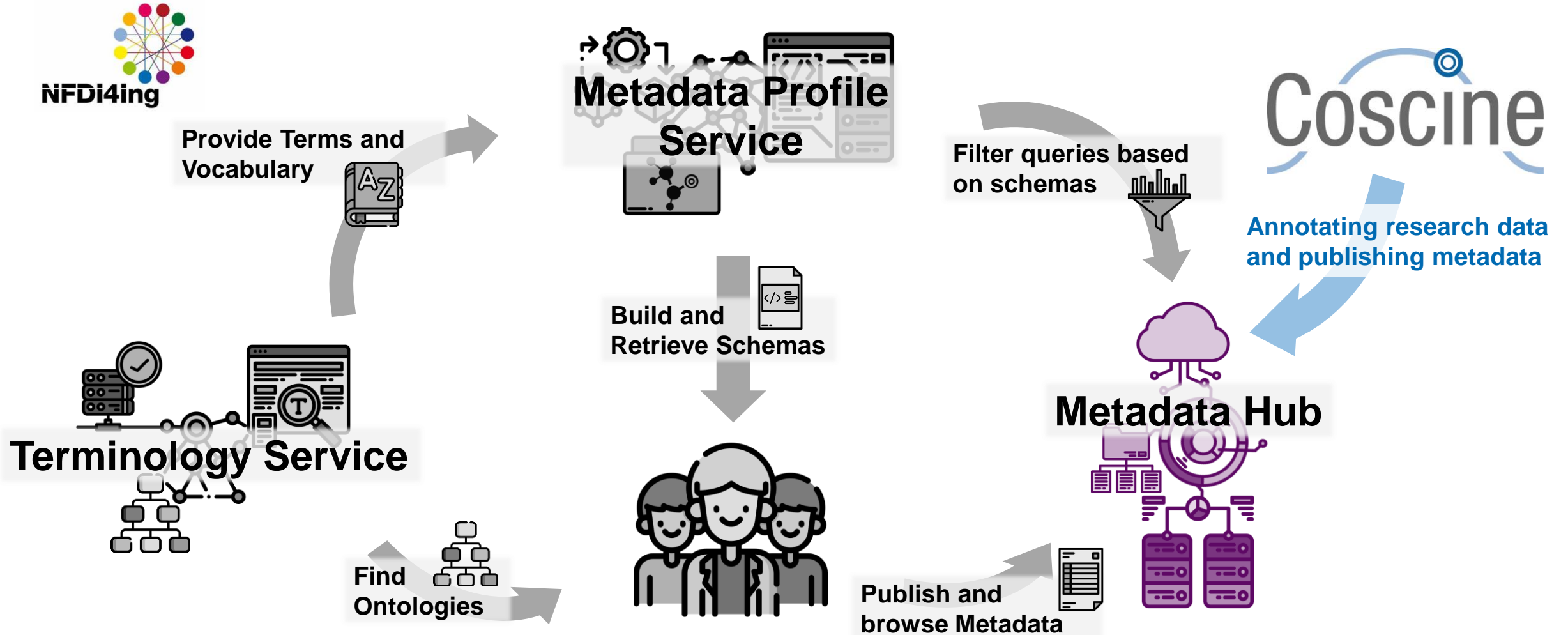


Base Services S3 – User-Focused Interaction



Icons by xnimrodx and Freepik from www.flaticon.com

Base Services S3 – User-Focused Interaction



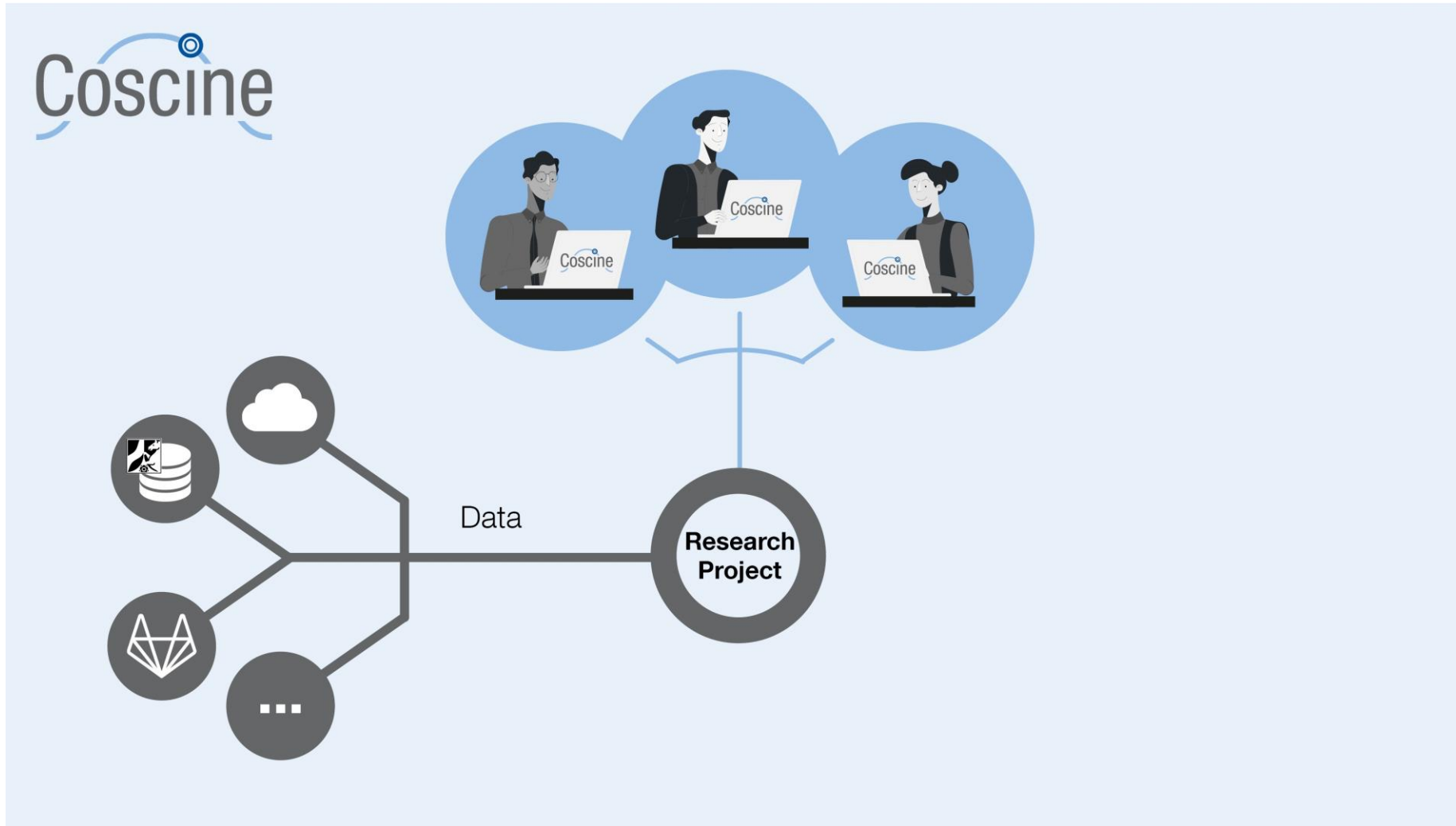
Icons by xnimrodx and Freepik from www.flaticon.com



1) Coscine - Short Introduction

Collaborative **S**cientific **I**ntegration **E**nvironment

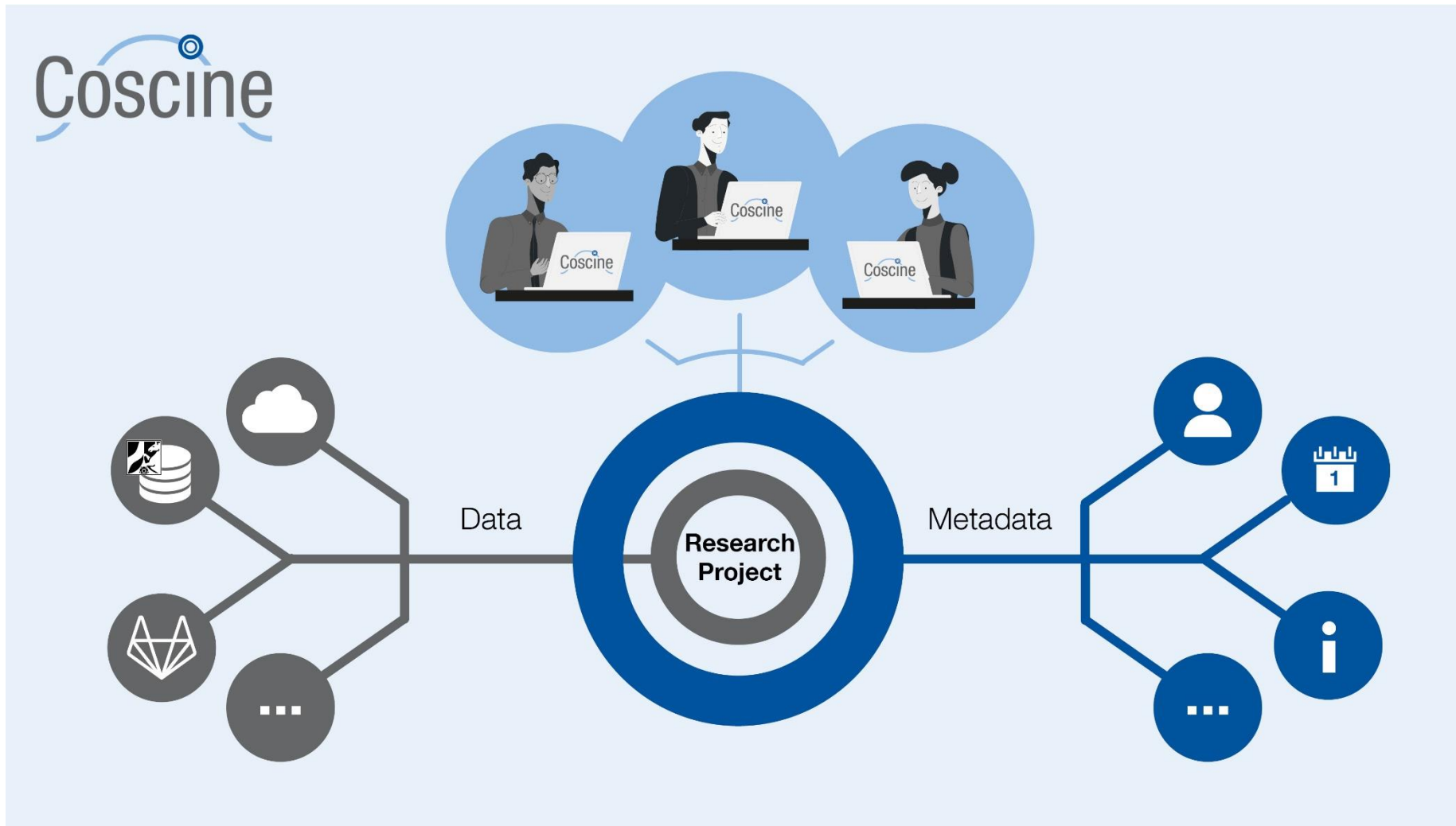
Coscine - Short Introduction



Coscine...

- ...maps a project structure
- ...integrates different storage systems
- ...maintains authorizations at the project level

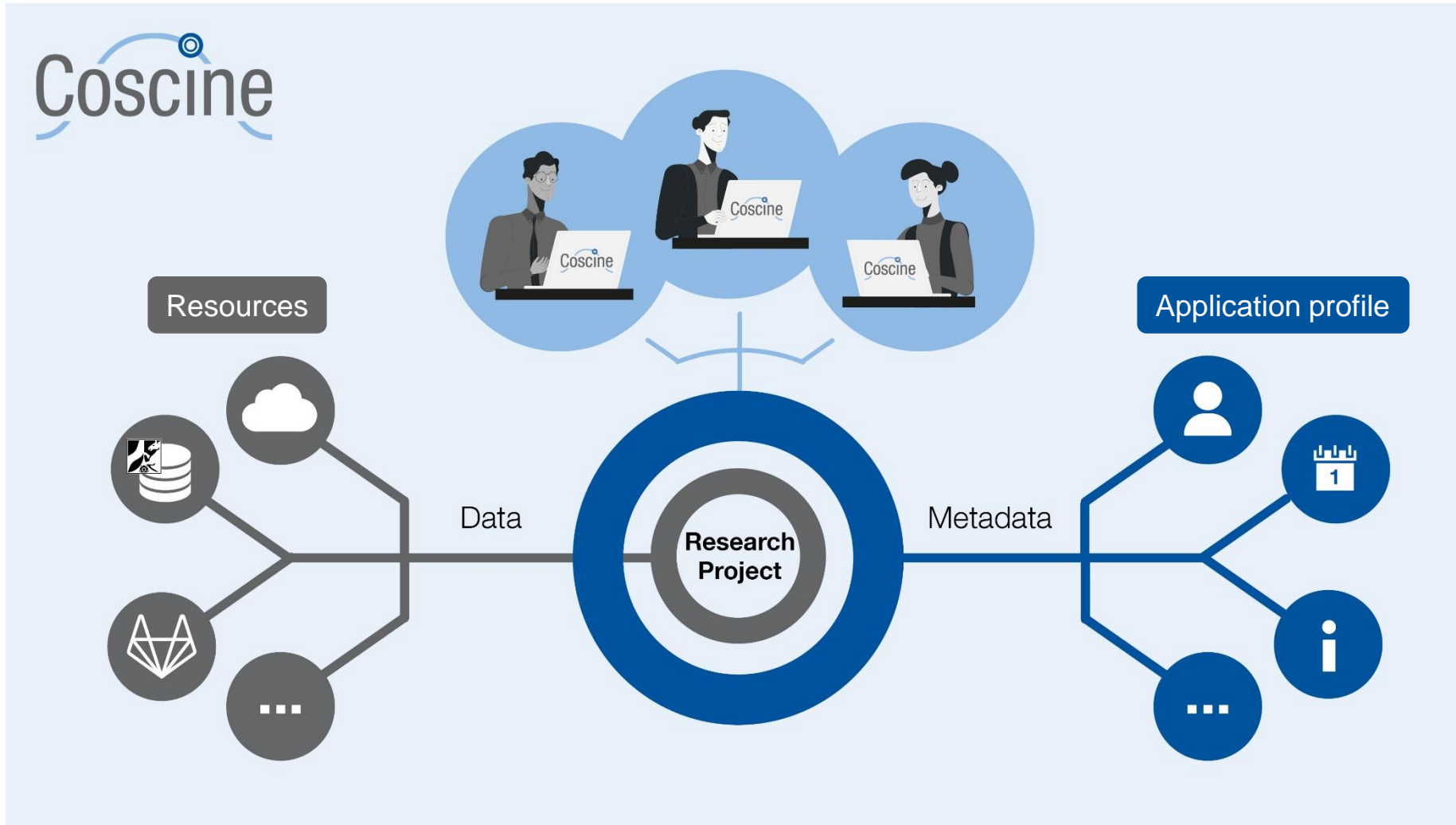
Coscine - Short Introduction



Coscine...

- ...maps a project structure
- ...integrates different storage systems
- ...maintains authorizations at the project level
- ...helps to describe all data with structured metadata

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2) Coscine – Metadata Management

Coscine – Metadata Management

1. Project Level

Project Name: * Autonomous Driving in the City Center ✓

Display Name: * Autonomous driving - CC ✓

Project Description: * In this project, autonomous driving in the city center is recorded using measurement data from ten vehicles. The vehicles drove on a test route under changing weather conditions and high pedestrian and traffic volumes. ✓

Project Metadata

Principal Investigators (PIs): * Conny Taylor ✓

Project Start: * Tuesday, February 8, 2022

Project End: * Wednesday, April 17, 2024

Discipline: * Electrical Engineering and Information Technology 408 ▾

Participating Organizations: * RWTH Aachen University ▾ TU Dortmund University ▾

Project Keywords: autonomous driving ▾ vehicles ▾

Grant ID: DFG_007

Coscine – Metadata Management

2. Resource Level

Options:

- **Pre-implemented** application profiles (e.g. EngMeta, see figure)
- Create and request an **individual** application profile

The screenshot shows a web form for creating a metadata profile. The form is titled 'Application Profiles: * Engmeta' and contains several fields with associated controls. Each field has a lock icon, a visibility icon (eye), and a plus sign icon. The fields and their values are:

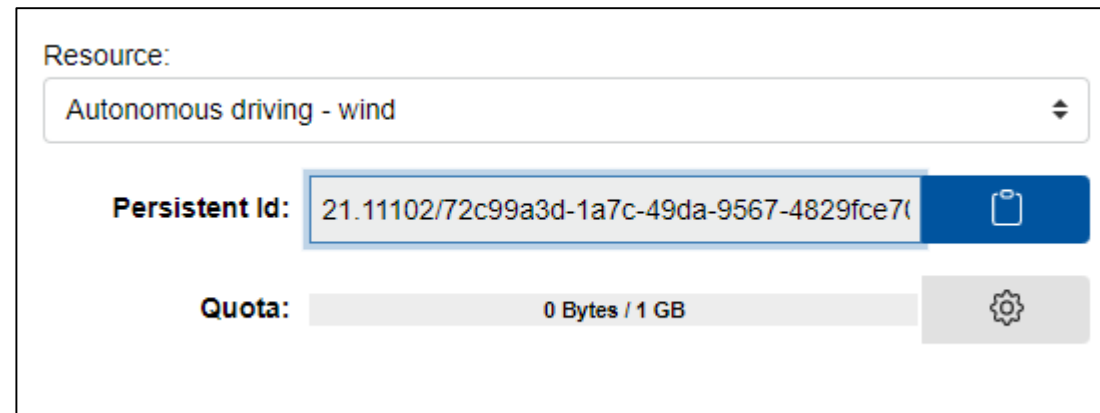
Field	Value
Contact *	Conny Research
Creator *	Conny Research
Worked	Yes
Worked Note	Vehicle passed the crossroad without a crash
Title *	Autonomous driving -windy and rain
Type	Dataset
Keywords	autonomous driving
Subject Area	Traffic and Transport Systems, Logistics, Intelligent and Automated Traffic
Creation Date *	Tuesday, February 8, 2022
Publication Date *	Friday, February 11, 2022
Embargo End Date *	Thursday, April 25, 2024
Version *	1



3) Coscine – Persistent Identifiers


Coscine – Persistent Identifiers (PIDs)


- Coscine uses PIDs to uniquely reference resources
- Each resource in a project is automatically assigned a PID
- The URL contains the handle-prefix followed by a PID
 - Example: <http://hdl.handle.net/21.11102/7599d318-99f3-4385-ace9-7aeb9cf3bXXX>
- PIDs can be used to link resources and make them accessible to others



Resource:

Autonomous driving - wind

Persistent Id: 21.11102/72c99a3d-1a7c-49da-9567-4829fce7(

Quota: 0 Bytes / 1 GB 



4) Coscine – Live Presentation



5) Coscine – Documentation

Coscine – Documentation


You are located in service

Coscine

General information

- + First Steps
- + Projects
- + Research data management
- Archiving
- Terms of Use
- Privacy Statement
- + For Advanced Users
- + FAQ

Welcome to the Help Pages of Coscine!



[Coscine](#) (/ˈkɔʊsaɪn/), short for Collaborative Scientific Integration Environment is a platform for your research data management (RDM).

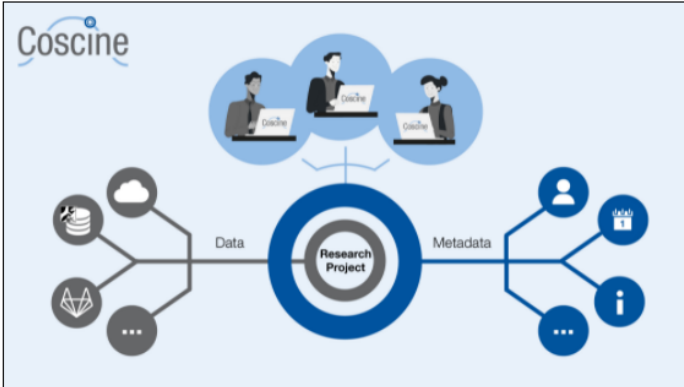

In handling your research data, Coscine offers you...

- **Storage space:** RWTH members access free storage space
- **Overview:** (Long-term) all data sources at a glance
- **Cooperation:** Access for all project members
- **Metadata:** Automatically linked to data
- **Individuality:** Metadata can be created project-specifically as application profiles
- **Archiving:** Archive project data in place

Thus, Coscine provides solutions for a sound RDM as required by research funders, such as the DFG. Coscine allows you to access your project-level IT services centrally as an integration platform (e.g. research data repositories, linked or archived data).

Log in to [Coscine](#) directly and get started! For more information, see [First Steps](#).

Your questions were not answered on our help pages? Then take a look at the [FAQs](#) or send us an e-mail to [servicedesk@rwth-aachen.de](mailto: servicedesk@rwth-aachen.de).



- All information on how to use Coscine can be found on our help pages: <https://help.itc.rwth-aachen.de/en/service/b2b7729fd93f4c7080b475776f6b5d87/>

Time for your Questions!





Thank you for your attention!



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