SCIENCE.
SET FREE.

Public / private partnerships in Open Scholarly Infrastructure

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Outline

- About OpenAIRE
- Towards Open Scholarly Communication
- Public/private services and partnerships

About OpenAIRE

OpenAIRE

A **Scholarly Communication e-Infrastructure** that brings together **human capital** and **advanced ICT services.**

- ❑ Aligning policies
- ❑ Operating services
- ❑ Offering training

A network of experts (National Open Access Desks) and **services** in operation since 2009

A **non-profit organisation** as of 2018
- ▪ 50+ members
- ▪ From 36 countries

We are here to amplify, learn from, and support each other.

OpenAIRE strategy 2023-25

Available https://www.openaire.eu/strategy-2023-25

Transforming to an Open Scholarly Communication ecosystem
Some facts

OpenAIRE

OPEN SCIENCE

We need mechanisms that respond fast!

Fact 1: Scholarly Communication in a new era

- Everything is digital
- Everything is big
- Everything is connected
- Beyond publications

- **Reproducibility**
- **AI / Generative AI**

Interconnected research life cycle → interconnected services

- Openness has a positive affect in every stage

OpenAIRE

Fact 2 – Fragmentation & silos

Public / private partnerships

Different views on

- OA publishing models
  - APCs, Diamond OA, ORE, …

- Publishing processes
  - Open peer review. But how open?

- Policies
  - Institutional, thematic, national repositories. Zenodo? Or all?

- Decentralised infrastructure
  - Many players / autonomy
  - Public / commercial

OpenAIRE
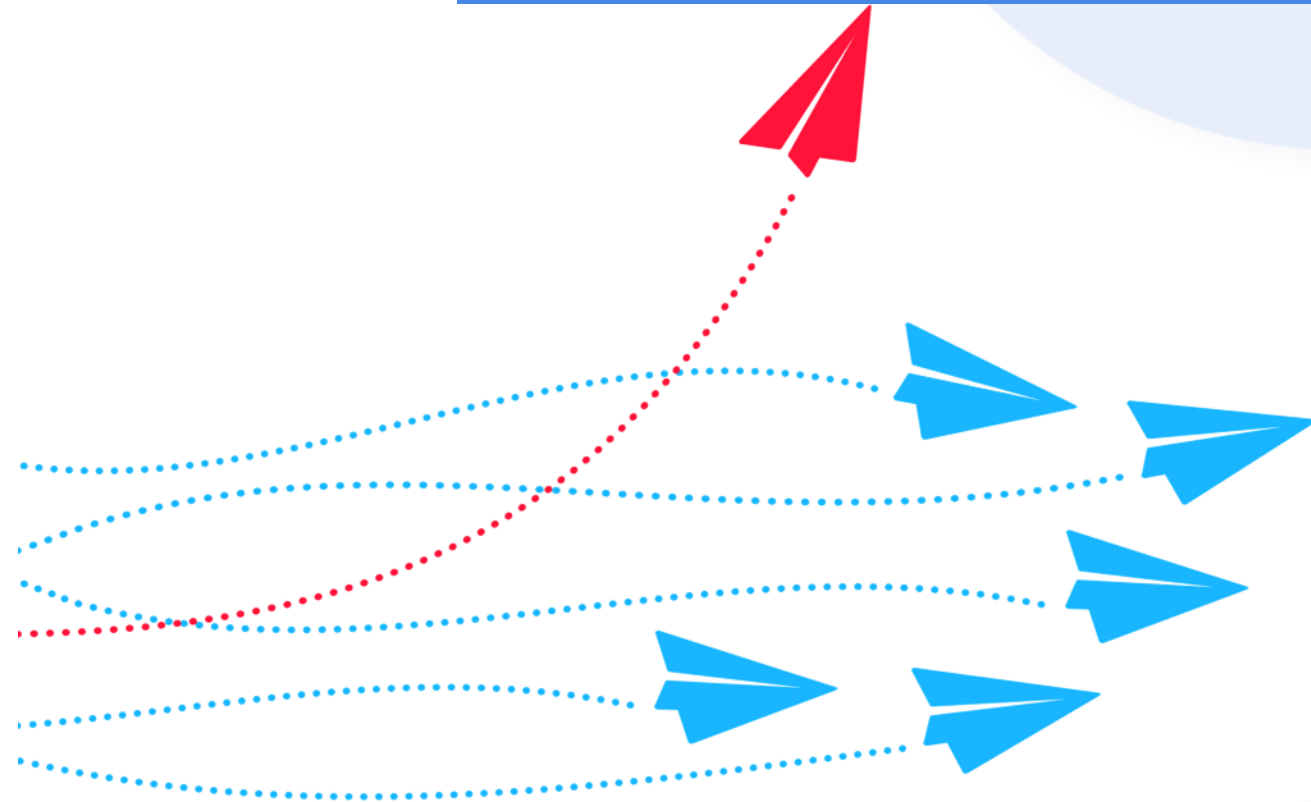
Fact 3 – Infrastructure vs. services

- What is infrastructure
- What should be kept public
  - Public/private partnerships
- What are value-added services
- Lacking skills for infrastructure building and (often) professional service delivery
- No clear working models yet
  - Lack of business models
  - Lack of consistent funding

Business models that capture community and openness

OpenAIRE

OpenAIRE Open Scholarly Communication Infrastructure

INFRASTRUCTURE & SERVICES

OpenAIRE **operates** 18 services **catalogue.openaire.eu**

Cost: ~2 mi/annually

Our goals

## 1. Strengthen underlying-existing infrastructure
- Repositories, OA Journals, cloud/data centres, personnel

2. Operate services at EU & global scale
- Support European Open Science Cloud (EOSC)
- Support Responsible Research Assessment (RRA)
- Promote **Open Governance on Open Infrastructures and community-led business models**
- **Professionalise service** delivery for Open Science
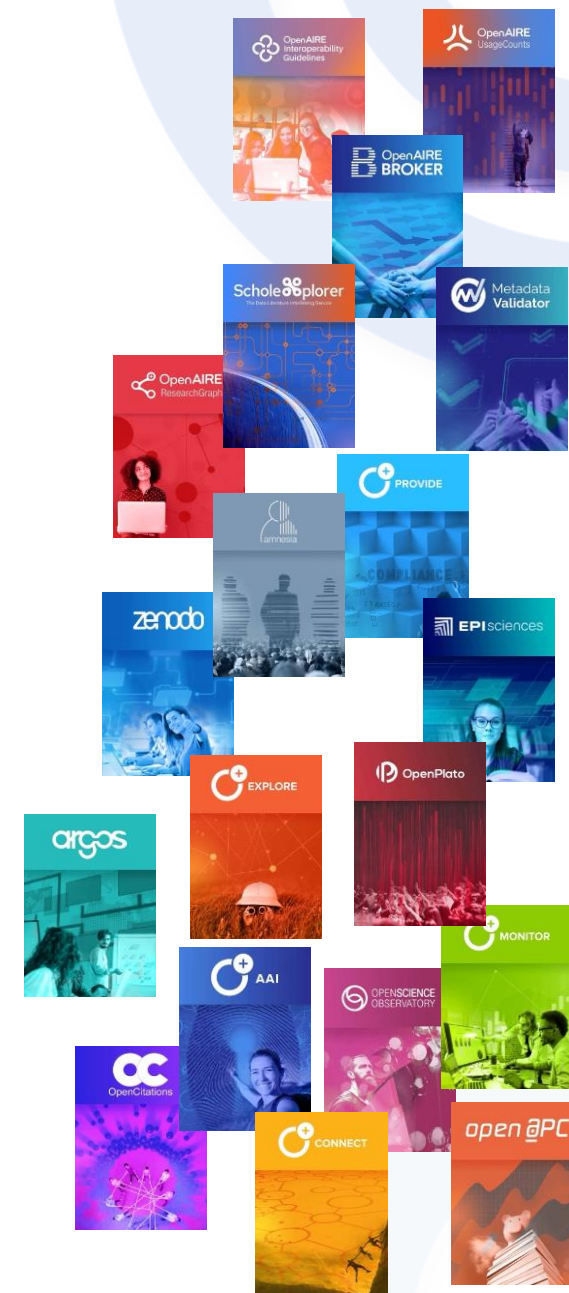
4. CLOSING THE CYCLE: FROM PUBLISHING TO ASSESSMENT
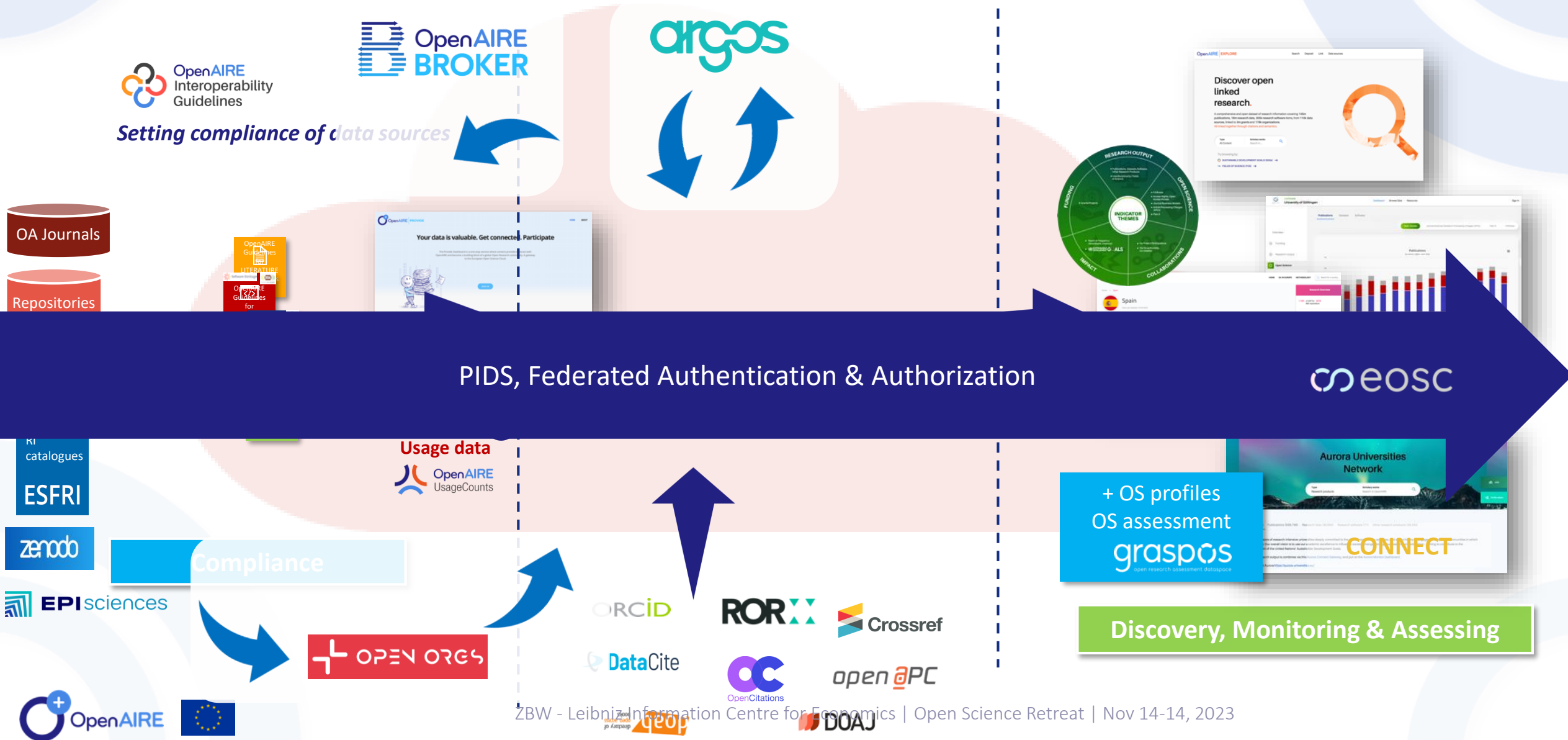
Private / public services or partnerships

Commercial

- Customer oriented
- Marketing approach
- Agile – **but not always**
- Global
- Costs are higher due to profit
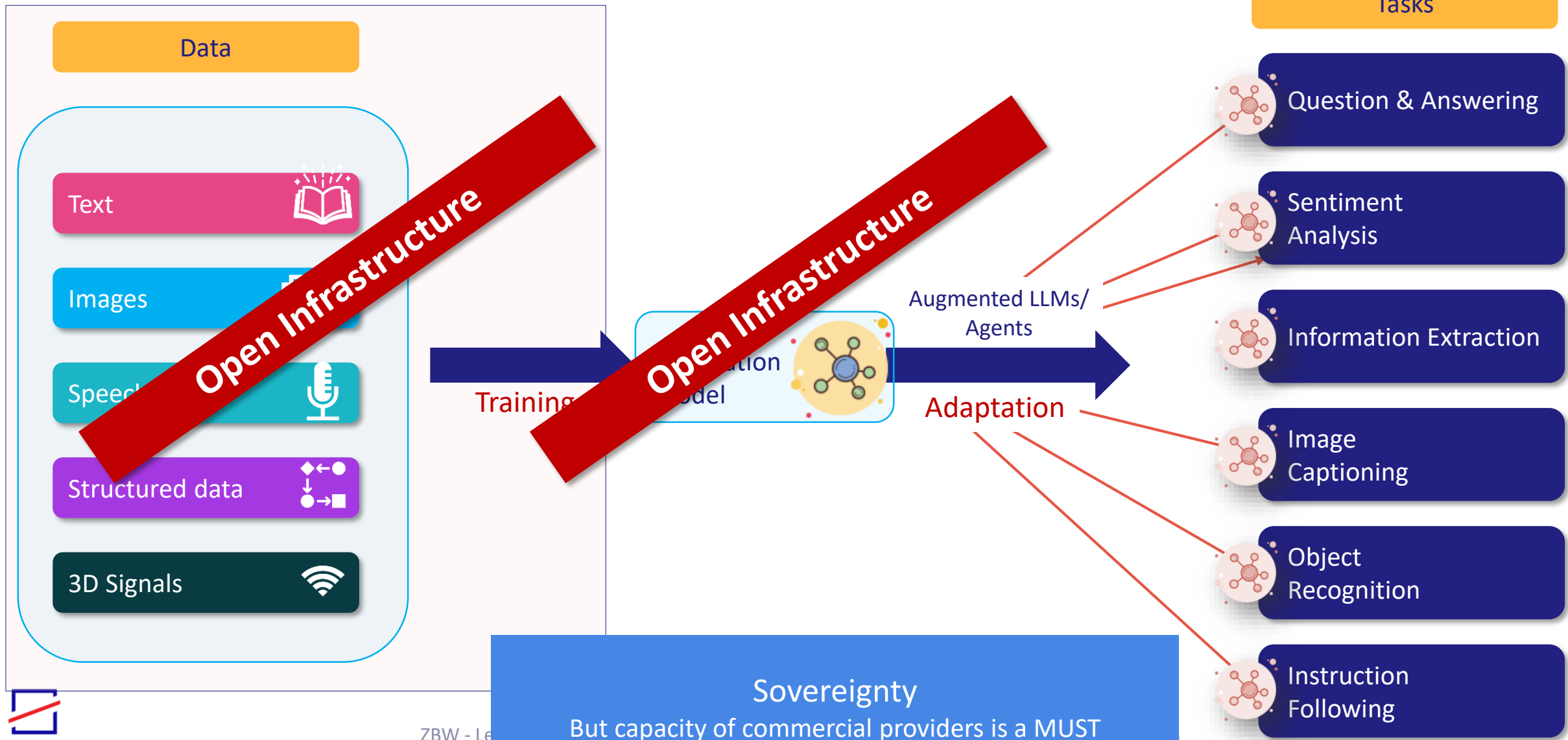- No care about ethics/biases

Public

- User oriented
- Community approach
- Interconnected
- Agile - **as long as funded is unobstructed**
- National, regional – **research is global**
- Costs are high – **but used to sustain the ecosystem, esp. the human capital**
- Open governance – ethics embedded

Private / public partnerships – The way forward

- Commercial providers **become service providers (only)**
  - No lock or renting of data
  - **Community sets the rules (legal, organisational, technical)**

- The role of Open Science & Open Infrastructure
  - Open and FAIR data used throughout. Not only to perform research but also to evaluate research **➔ Get rid of Scopus and WoS**
  - Sustainability of Open Infrastructures must be a **global and concerted effort** from ALL funders and governments
  - Devise business models that facilitate **co-investment** from institutions
  - Foster an **innovation ecosystem** around Open Infrastructures (startups, SME's)
    - **OpenAIRE to create an SME constellation in 2024**

The next frontier: The new Open Science infrastructure includes Large Language Models

Data

Text

Images

Speech

Structured data

3D Signals

Tasks

Question & Answering

Sentiment Analysis

Information Extraction

Image Captioning

Object Recognition

Instruction Following

Open Infrastructure

Open Infrastructure

Training

Augmented LLMs/ Agents

Adaptation

Sovereignty
But capacity of commercial providers is a MUST

ATHENA

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THANK YOU!

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