

Reforming Research Assessment

Building Inclusive, Open, and Equitable Evaluation
Practices through Open Educational Resources

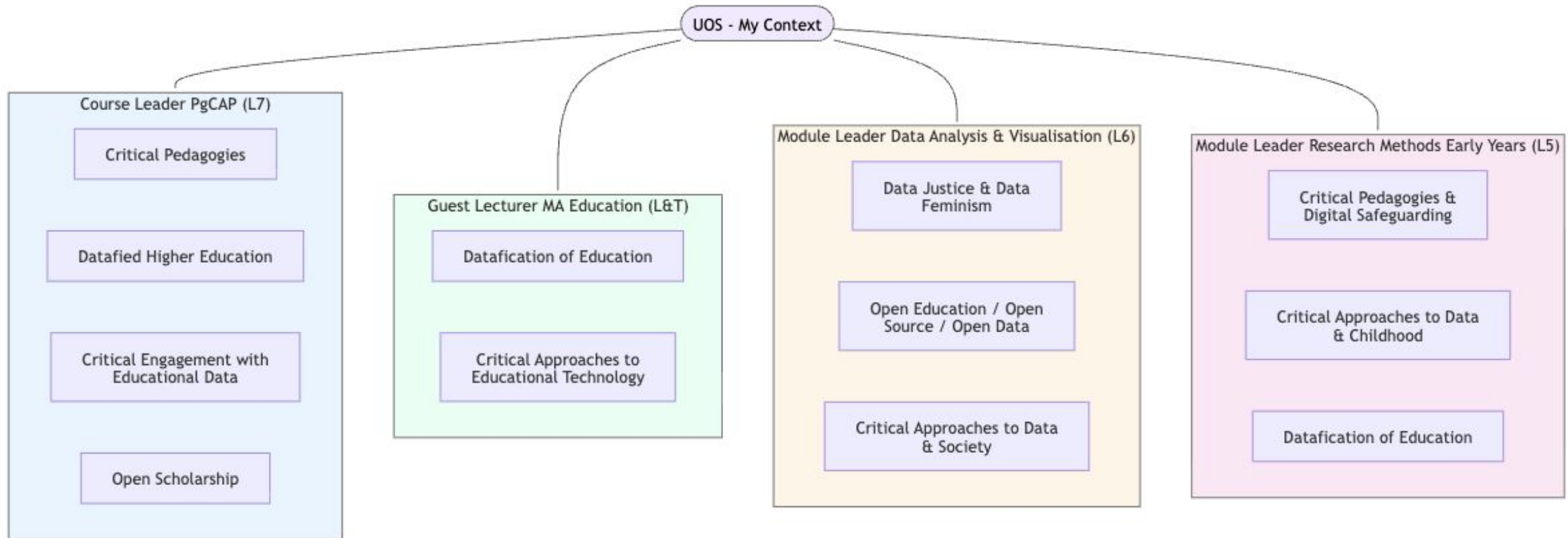
Dr Javiera Atenas, Charlotte Yule & Dr Carol Thompson



About the team

- **Dr Javiera Atenas:** Senior Lecturer in Learning & Teaching Enhancement. University of Suffolk. Researches Open Education, Open Science policy, and Critical Data Literacies. International experience across Europe, Latin America, and the Middle East. Member of the UNESCO OER dynamic coalition.
- **Charlotte Yule:** is a doctoral researcher in English Literature, exploring Cornish landscapes and becoming in the works of early twentieth century women writers through a psychogeographic lens. She teaches on the English Literature undergraduate programme and delivers field research workshops on the MA Creative and Critical Writing.
- **Dr Carol Thompson:** Senior Lecturer & Researcher, University of Bedfordshire. Background in UK Further Education and teacher development. Leads MA Education programmes; researcher in teacher development and leadership. Advocate for Open Science and inclusive research cultures; supports early career researchers in publishing and research dissemination.

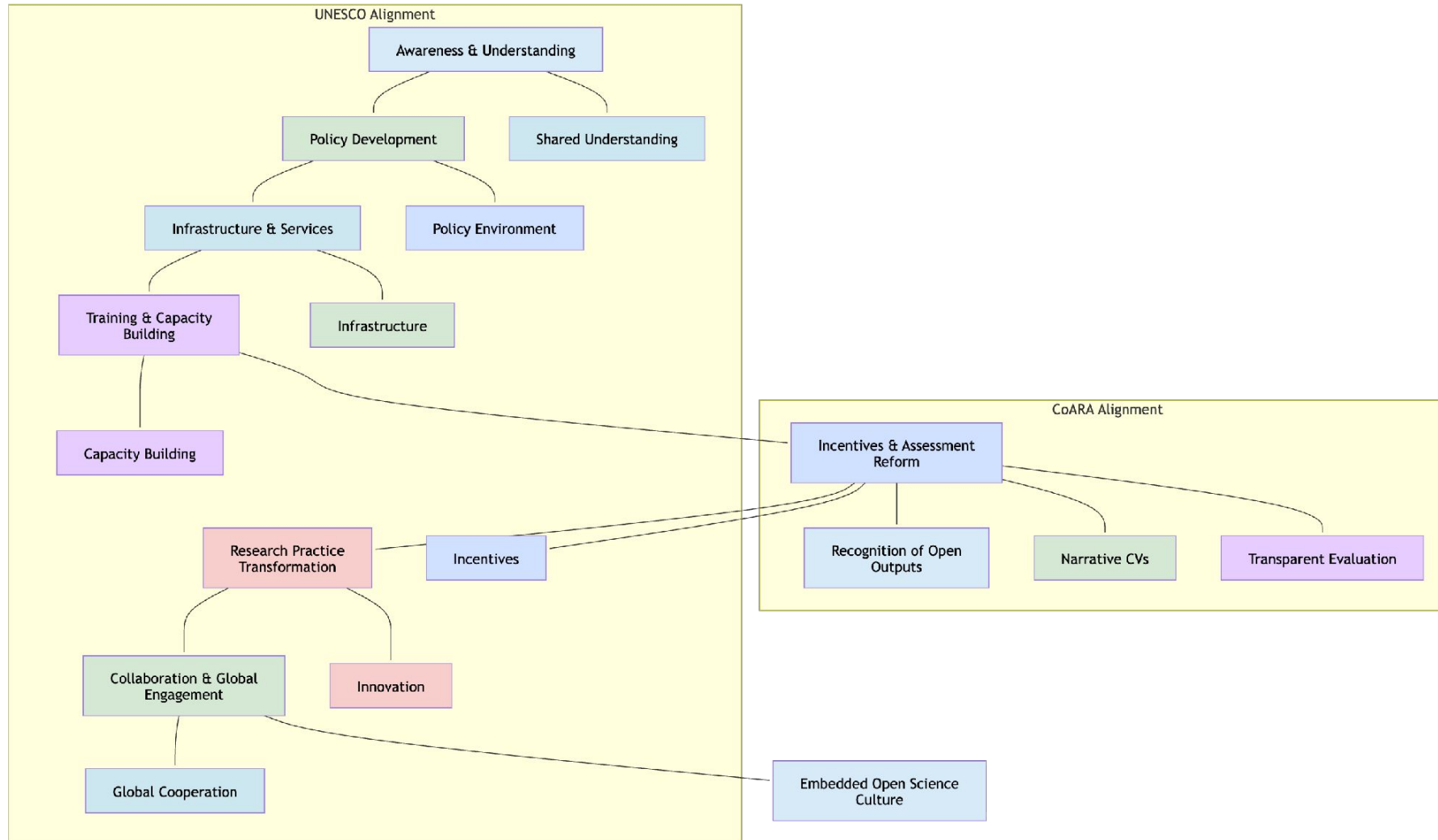
Context



Project Aim

- To develop an **OER Toolkit** that:
 - Builds capacity in Open Science
 - Supports cultural change in research assessment
 - Aligns with CoARA principles
 - Promotes responsible research evaluation
 - Recognises diverse research contributions and career paths
 - Prioritises qualitative, peer-review-based evaluation
 - Discourages misuse of metrics (e.g., JIF, h-index)

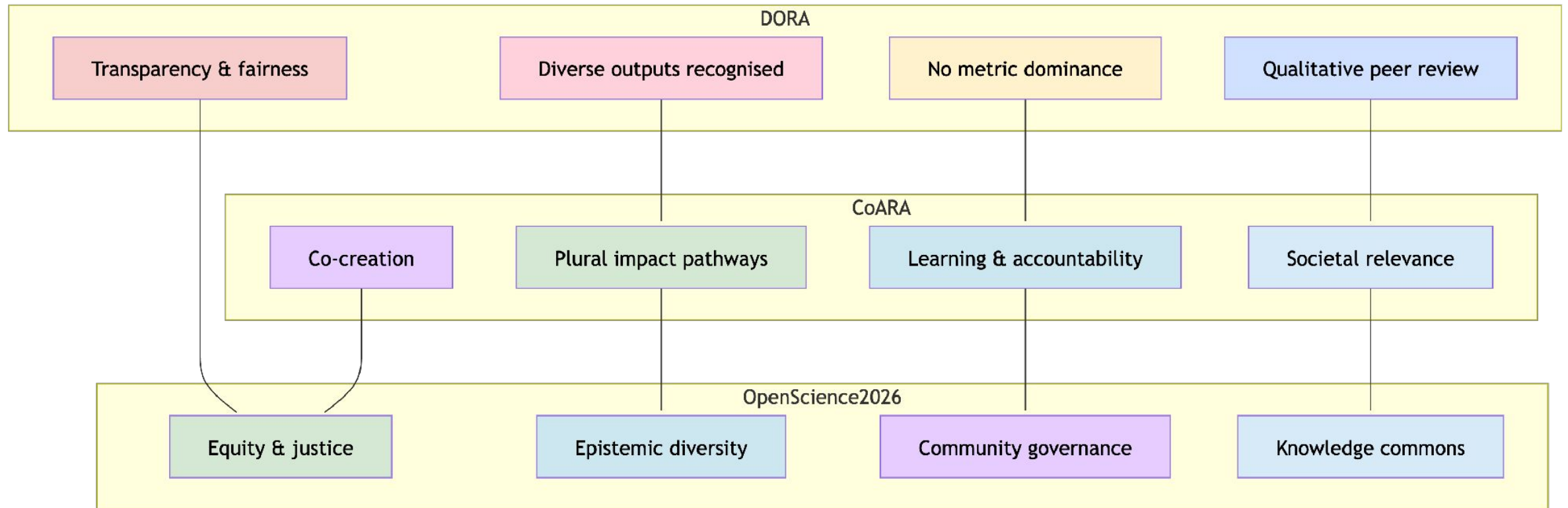
Open Science in the Open Knowledge Ecosystem



The project aligns with CoARA principles by:

- Recognising diverse research contributions and career paths (P1)
- Prioritising qualitative evaluation over journal-based metrics (P2);
- Eliminating inappropriate use of JIF and h-index (P3);
- Committing resources to reform through training and support for assessors (P5);
- Promoting transparency, awareness, and the exchange of good practices (P7, P8);
- Ensuring assessment practices are evidence-based and informed by open data (P10).

Alignment with diverse frameworks



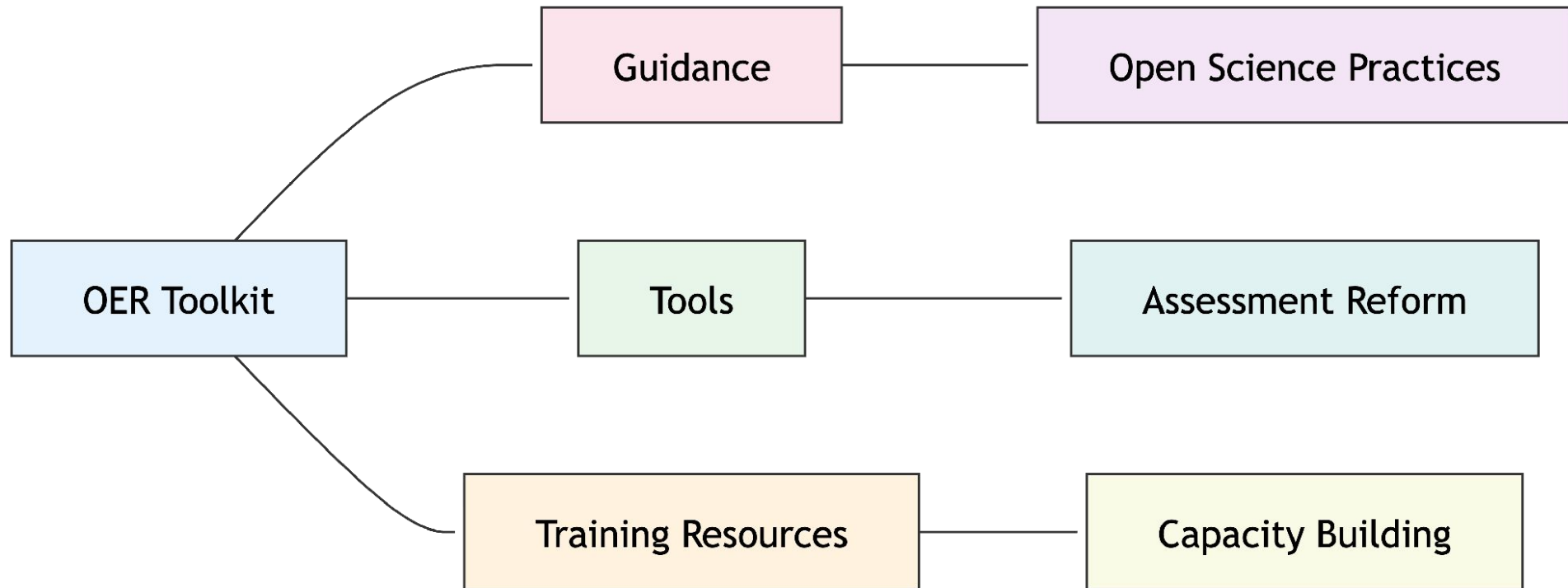
Overview and Purpose

- This project repository functions as a structured knowledge base.
- It supports collaboration, transparency, and the dissemination of project-related knowledge.
- Hosted on GitHub, enabling version control and community contribution.
- Aligns with principles of **Open Science and Open Education**.
- Enable iterative development and shared authorship. Contributors may refine, expand, and adapt content over time.
- Fosters a participatory and decentralised approach to knowledge creation

OER for Open Science

- **Supports CoARA principles** by advancing reform in research assessment towards more **responsible, inclusive, and transparent practices**.
- Contributes to **institutional readiness** for Open Science policies and long-term cultural transformation in research.
- **Aligned with UNESCO Recommendation on Open Science: IV-19-D**
 - Emphasises **capacity building, training, and digital literacy** as essential for modern scientific practice.
 - Advocates investment in **human capital and education** to support openness and innovation.
- **Role of OER:**
 - Enhance access to open science knowledge and materials
 - Improve learning outcomes and maximise public investment
 - Empower learners and educators as **co-creators of knowledge**
- **Practical application:**
 - Resources can be embedded in **LibGuides, online learning environments, and websites** to support teaching and skills development.

Enabling Research Culture Change



Key Features

- Developed and hosted in Github
- Editable using Markdown and Mermaid.
- Version control ensures transparency of revisions.
- Collaborative editing enables contributions from multiple users.
- Can serve as:
 - User guides – individual OERs
 - A knowledge repository
- Supports integration with broader development workflows
- Modular structure enhances clarity and navigability.

Purpose and Scope of the OER toolkit

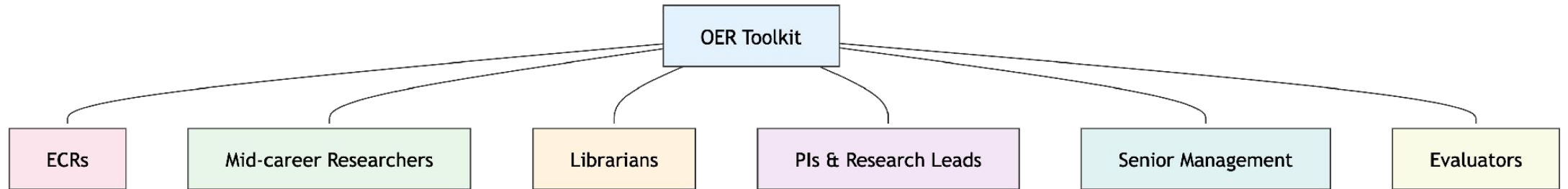
The toolkit provides a **structured set of OER** supporting the adoption of Open Science practices.

- It aims to facilitate **responsible research assessment reform**, aligned with CoARA and UNESCO principles.
- The resources promote:
 - Transparency
 - Reproducibility
 - Inclusivity in research processes
- Designed to support **capacity building and cultural change** across research organisations.

Target audiences include:

- Early Career Researchers (ECRs)
- Mid-career researchers
- Librarians and research support professionals
- Principal Investigators (PIs) and research leads
- Senior management and institutional leaders
- Research evaluators

Purpose and Scope of the OER toolkit

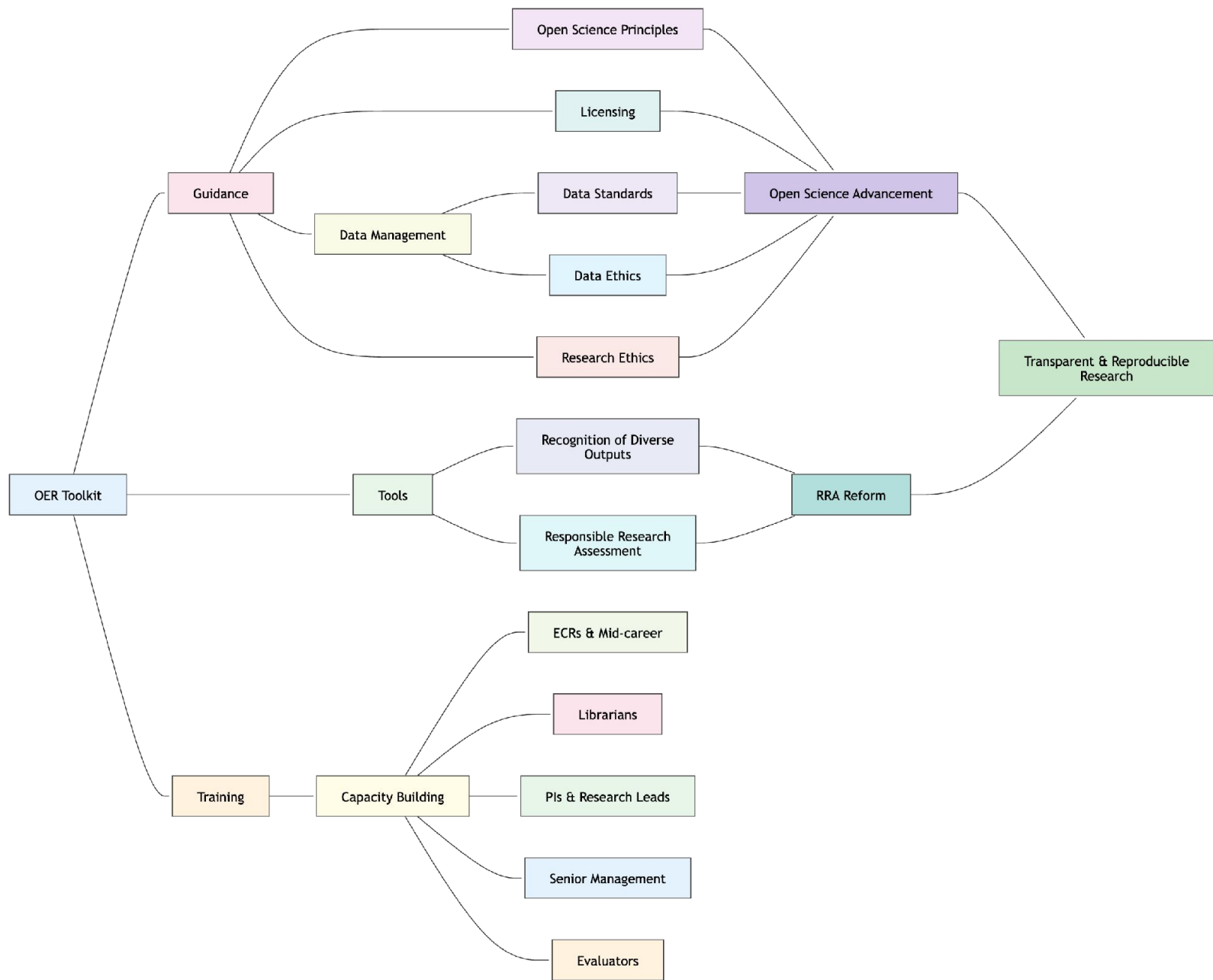


Development of the OER Toolkit Content

- All materials have been **adapted from open access publications**, Open Science guides, and **national and international policy frameworks**.
- Content has been **carefully curated across multiple languages** and subsequently **translated into English** to ensure accessibility and inclusivity.
- The toolkit has undergone internal review and **peer review by Open Science practitioners**, ensuring quality, relevance, and alignment with community standards.
- Visual and supporting materials:
 - Exclusively **openly licensed images** have been used to illustrate key themes
 - **Mermaid flowcharts** have been created to represent:
 - Concepts
 - Processes
 - Interconnections across the toolkit
- Our approach ensures the toolkit is **transparent, reusable, and aligned with Open Science principles**.

Enabling Research Culture Change

- The OER Toolkit supports **systemic transformation** in research culture by:
 - Promoting responsible research assessment
 - Strengthening Open Science competencies
- Encourages a shift towards **values-based evaluation**, beyond traditional metrics.
- Contributes to:
 - Enhanced **science literacy and skills development**
 - Greater **openness, accountability, and collaboration**
 - Long-term alignment between **policy, practice, and institutional strategy**



What's next

- Migrate the OERs into our institutional Github
- Complete the video interviews and connect them with the relevant resources
- Pilot the resources in our own contexts (UOS –UOB)

Citing and Attributing the Resources

Atenas, J., Yule, C., & Thompson, C. (2026). Open Science OER Toolkit & Open Research Assessment. COARA Boost2 Cascade. <https://github.com/javieraatenas-pixel/testOSC/wiki>

Licence and Reuse

Unless otherwise stated in specific images or videos, all resources in this Open Educational Resources (OER) toolkit—including content, tables, and diagrams—are licensed under a **Creative Commons Attribution (CC BY)** licence.

Users are encouraged to:

- **Reuse** the materials in their own teaching and training
- **Adapt and modify** content to suit different contexts
- **Translate** resources into other languages
- **Contextualise** materials for specific disciplines or audiences

Please ensure appropriate **attribution is provided** when reusing or adapting these resources.

The (sandbox) repository

<https://github.com/javieraatenas-pixel/testOSC/wiki>

Open Science OER Toolkit & Open Research Assessment

Guides and content Developed by [Dr Javiera Atenas](#) and Charlotte Yule, University of Suffolk and [Dr Carol Thompson](#), University of Bedfordshire.



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 - Guides and content
 - Developed by Dr Javiera Atenas and Charlotte Yule, University of Suffolk and Dr Carol Thompson, University of Bedfordshire.
 - Project Overview
 - What the Toolkit Includes
 - Alignment and Impact
 - COARA
 - UNESCO Recommendation on Open Science
 - IV. Investing in Human Resources, Training, Education, Digital Literacy and Capacity Building for Open Science
 - Using and Sharing These Resources in LibGuides and Online Learning Environments
 - Embedding in LibGuides and VLEs
 - Adapting for Teaching

Atenas, J., Yule, C., & Thompson, C. (2026). Open Science OER Toolkit & Open Research Assessment. COARA Boost2 Cascade. <https://github.com/javieraatenas-pixel/testOSC/wiki>

If you have questions, please email j.atenas@uos.ac.uk

BONUS TRACK

Data, AI and Citizenship Literacy

Open Educational Resources (OER) Collection

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https://github.com/javieraatenas-pixel/data_literacy_AI

