

OPEN

SCIENCE *AND*

KNOWLEDGE
VALORISATION



BACKGROUND AND CONTEXT

This session anchors the KAL EIDOS training programme in the broader policy frameworks of Open Science (UNESCO) and Knowledge Valorisation (EU). It addresses the urgent need to move beyond traditional research valorisation models by embracing more inclusive, sustainable, and socially oriented pathways for transforming scientific knowledge into impact.

OBJECTIVE

To raise awareness and provide practical understanding of Open Science and Knowledge Valorisation as strategic frameworks for increasing the societal, environmental and economic impact of research. The session introduces guiding principles, policy trends, and practical pathways for co-creating value beyond academia.

TARGET AUDIENCE

- ◆ Researchers, innovation professionals, and project leaders
- ◆ Staff from knowledge transfer or technology transfer offices (KTO/TTO), policy units, and R&I services
- ◆ KALEIDOS participants exploring how to embed Open Science and impact in their projects

METHODOLOGY AND CONTENT

The session followed a seminar and guided discussion format, with structured input followed by reflection and Q&A. Main topics included:

▶ 1. OPEN SCIENCE FOUNDATIONS

- ◆ UNESCO's four pillars (open knowledge, infrastructure, societal engagement, dialogue with other systems)
- ◆ When and how Open Science principles apply throughout the research cycle (design, data, dissemination, impact)
- ◆

▶ 2. EU KNOWLEDGE VALORISATION POLICY

- ◆ From dissemination to co-creation of social and economic value
- ◆ Valorisation beyond IP: open methods, policy impact, social innovation
- ◆ Stakeholder roles (academia, civil society, public authorities, industry)

▶ 3. SKILLS AND INCENTIVES

- ◆ What competences researchers and institutions need (based on D1.1)
- ◆ Relevance of career assessment reform and responsible research metrics
- ◆ Institutional strategies and individual practices to enable valorisation

▶ 4. CASES AND PRACTICES

- ◆ Examples of collaborative valorisation: CHC Labs, PP Labs, ageing deal pilots
- ◆ Tools: OpenAIRE, EOSC, impact KPIs, co-creation roadmaps

The session closed with an open discussion on participants' own barriers and opportunities in adopting these frameworks.

MATERIALS NEEDED

- ◆ Presentation slides covering Open Science and Knowledge Valorisation frameworks. The [slides used in session 5](#) can be found on the KALEIDOS website.
- ◆ Policy brief summaries
- ◆ Case study handouts or digital boards
- ◆ Reflection worksheets or online polls (for engagement)
- ◆ Recording tools or note templates for group sharing

All materials were suitable for both online and in-person formats.

EXERCISES FOR FACE-TO-FACE AND ONLINE SESSIONS

Despite its seminar format, several interactive components were integrated:

- ◆ Guided Reflection Prompts: “Where does my current project align with Open Science principles?”
- ◆ Barrier Identification: Discussion of institutional and systemic blockers

OUTCOMES OF THE SESSION SKILLS AND COMPETENCES ADDRESSED

This session helped participants shift from a traditional, linear view of research dissemination toward a broader, more strategic understanding of Open Science and Knowledge Valorisation as ongoing, multidirectional processes. By examining real cases, policy frameworks, and ethical considerations, participants were equipped to rethink how their research can generate value for diverse stakeholders.

► KEY OUTCOMES

- ◆ Clearer understanding of Open Science as a comprehensive framework for research transparency, collaboration, and societal engagement.
- ◆ Increased awareness of the diversity of valorisation pathways—including non-commercial, policy-driven, and social innovation strategies.
- ◆ Identification of enablers and barriers at both institutional and personal levels for implementing Open Science and impact practices.
- ◆ Inspiration to incorporate impact planning and stakeholder collaboration into participants' own research or innovation projects.

► SKILLS AND COMPETENCES ADDRESSED

The session supported the development of key transversal and thematic competences from the KALEIDOS D1.1 skills portfolio, including:

- ◆ **Promote open access publications** – Emphasis was placed on making research outputs openly accessible to maximize visibility and reuse.
- ◆ **Promote the transfer of knowledge** – Participants examined strategies for translating research into practical, socially valuable applications.
- ◆ **Apply research ethics and integrity principles** – Core ethical principles and integrity standards were addressed in the context of open, responsible innovation.
- ◆ **Manage research data** – The session introduced good practices in data management aligned with FAIR principles (Findable, Accessible, Interoperable, Reusable).
- ◆ **Communicate to the broad public** – Techniques for adapting scientific messages to non-specialist audiences were presented as part of inclusive knowledge valorisation.
- ◆ **Increase impact of science on policy and society** – Participants reflected on how to align research valorisation with social needs and public policy goals, as the overarching focus was on enhancing the societal and economic impact of research beyond academia.
- ◆ **Critical thinking** – Encouraged analysis of traditional knowledge transfer models and their transformation under Open Science paradigms.
- ◆ **Strategic thinking** – Development of long-term strategies to ensure societal relevance and sustainability of research outcomes.
- ◆ **Valuing sustainability** – The session promoted alignment of innovation practices with the Sustainable Development Goals (SDGs).
- ◆ **Interact professionally** – Discussion included ways to collaborate effectively with stakeholders from the quadruple helix ecosystem.
- ◆ **Systemic thinking** – Participants were encouraged to adopt a holistic view of knowledge ecosystems and interdependent innovation processes.

The session contributed to preparing participants to become agents of responsible and impactful research, aligned with the evolving policy landscape and institutional transformation toward Open Science.



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