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22nd International Forum on Knowedge Asset Dynamics

University of Basilicata, Matera, Italy

The Ecology of Knowledge in the AI Era

CALL FOR EXTENDED ABSTRACTS - IFKAD 2027
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Special Track n.: 25

Responsible and Sustainable Use of Knowledge Generated by AI: Managing Individual Wellbeing and Organisational Resilience

Description

Artificial intelligence (AI) is rapidly reshaping 'the ecology of knowledge in the AI Era', especially in terms of how knowledge is created, accessed, interpreted, shared and applied across individuals, organisations and societies (Nguyen et al., 2025a). The unprecedented volume and velocity of AI-generated data, information and knowledge offer significant opportunities for learning, innovation and decision-making (Nguyen et al., 2025a). At the same time, they create new challenges for human cognition, professional identity, organisational resilience, environmental sustainability and societal wellbeing (Malik et al., 2022; Nguyen & Malik, 2022).

As individuals increasingly interact with AI-generated and AI-mediated knowledge, concerns are emerging around cognitive overload, information quality, critical thinking and the capacity to distinguish, interpret and meaningfully use knowledge (Malik et al., 2022). AI may augment human expertise and judgement, but excessive dependence on automated systems can also affect professional agency, decision-making autonomy, skill development and individuals' perceptions of their own expertise (Nguyen et al., 2025b). Understanding how people can preserve and reconfigure their agency, identity and capabilities within increasingly AI-mediated knowledge environments is therefore becoming an important research priority. At the organisational level, responsible AI adoption requires more than technological capability. Organisations must establish governance structures, ethical guardrails and human-centred practices that enable AI to enhance productivity and innovation while protecting employee wellbeing, knowledge integrity, inclusion and organisational resilience. Questions surrounding accountability, transparency, intellectual property, data governance and the validity of AI-generated knowledge are increasingly central to organisational decision-making.

The rapid expansion of AI also has broader societal and environmental consequences. The growth of AI infrastructure and data centres raises important questions around energy consumption, water use, resource demands and environmental sustainability. At the same time, AI technologies may be exploited by malicious or rogue actors to manipulate information, generate deceptive content, appropriate data and knowledge, or disrupt social, institutional and political systems. These developments highlight the need to consider AI responsibility not simply at the individual or organisational level, but as part of a wider socioeconomic and ecological system. This track invites interdisciplinary research examining how AI can be developed, governed and used responsibly to strengthen individual, organisational and societal wellbeing and resilience. We welcome conceptual, empirical and methodological contributions, as well as case studies and practice-based research, addressing the opportunities, tensions and unintended consequences emerging within the evolving ecology of knowledge in the AI era.

Indicative Topics

This track invites submissions related to the impact of the changing ecology of knowledge in the AI era related to its impacts on the following topics:

Human Agency, Wellbeing and Cognitive Resilience

- How does the growing volume of AI-generated knowledge affect cognitive load, attention, learning and individuals' capacity to make sense of information?
- How does AI influence professional identity, expertise, judgement and decision-making autonomy?

- Under what conditions does AI augment human capabilities, and when might reliance on AI contribute to deskilling or erosion of expertise?
- How can individuals maintain critical thinking, creativity and intellectual agency in increasingly AI-mediated environments?
- What forms of digital and AI literacy are required to support long-term individual wellbeing and cognitive resilience?
- How can responsible AI design reduce technostress, information overload and other unintended consequences for users?

Responsible AI Governance and Ethical Guardrails

- What governance frameworks can support transparent, accountable and responsible AI use?
- How can organisations establish effective ethical guardrails while maintaining innovation and agility?
- Who should be accountable when AI-generated knowledge leads to inaccurate, harmful or unethical decisions?
- How should organisations govern human oversight of increasingly autonomous and agentic AI systems?
- What mechanisms can support fairness, explainability, transparency and contestability in AI-mediated decisions?
- How can organisations develop cultures of responsible AI use rather than relying solely on formal regulation?

Knowledge Integrity, Validity and Legality

- How does AI-generated content affect the validity, reliability and legitimacy of new knowledge creation?
- What constitutes credible knowledge when content is jointly produced by humans and AI?
- How can individuals and organisations identify misinformation, hallucinated content, synthetic evidence and AI-generated manipulation?
- What are the implications of AI-generated knowledge for intellectual property, authorship, attribution and ownership?
- How should legal and regulatory frameworks evolve in response to AI-generated and AI-mediated knowledge?
- How can provenance, verification and traceability mechanisms strengthen trust in AI-generated knowledge?

AI for Good, Inclusion and Societal Wellbeing

- How can AI contribute to social wellbeing, inclusion and more equitable access to knowledge and opportunities?
- How can AI support vulnerable, marginalised or underserved communities without reproducing existing inequalities?
- In what ways can responsible AI contribute to education, healthcare, sustainability, public services and community resilience?
- How can AI systems be designed to respect cultural diversity, local knowledge and different ways of knowing?
- What conditions are required for AI innovation to generate shared societal value rather than concentrating benefits among a small number of actors?
- How can organisations assess the broader social consequences of AI deployment beyond efficiency and financial performance?

Sustainable AI and Environmental Resilience

- What are the environmental consequences of the increasing computational demands associated with AI development and deployment?
- How can organisations balance the benefits of AI with its energy, water and resource footprint?
- What governance mechanisms can encourage environmentally responsible AI infrastructure and data-centre development?
- How should the environmental costs of AI be measured, disclosed and incorporated into organisational decision-making?
- How can AI itself be deployed to support climate resilience, resource efficiency and sustainable development?
- What tensions arise between rapid AI innovation and long-term environmental sustainability?

AI Misuse, Regulation and Societal Resilience

- What are the consequences of irresponsible or malicious uses of AI for individuals, organisations and societies?
- How can institutions respond to AI-enabled misinformation, deepfakes, fraud, manipulation and other forms of synthetic content?
- How might rogue or malicious actors exploit AI to acquire, manipulate or weaponise data, information and knowledge?
- What regulatory approaches can mitigate AI-related harms without unnecessarily constraining beneficial innovation?
- How can organisations and societies build resilience against emerging AI-enabled threats?
- What forms of international cooperation and governance are required when AI-related risks extend across national boundaries?

Organisational Resilience and Responsible Transformation

- How can organisations integrate AI while preserving human expertise, institutional knowledge and employee agency?
- How does responsible AI adoption influence organisational trust, wellbeing and resilience?
- What leadership capabilities are required to navigate AI-driven organisational transformation?
- How can organisations manage tensions between AI-enabled efficiency and human-centred work design?
- How should organisations redesign knowledge-sharing and decision-making processes in response to increasingly autonomous AI systems?
- What capabilities enable organisations to adapt responsibly as AI technologies continue to evolve?

Keywords

Responsible AI, Sustainable AI, Individual Wellbeing, Organisational Resilience, Societal Wellbeing, Ethical Guardrails

Organizers

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Follow this link to see the Special Track details on IFKAD website ››

Guidelines and Requirements

Researchers wishing to contribute are invited to submit an EXTENDED ABSTRACT (in MS Word format) of min 500 and max 1000 words, not later than **22 JANUARY 2027**. All submission must be done via dedicated form on our website. The abstract should address theoretical background, research objective, methodology, and results in terms of expected contribution to Knowledge Management theory and practice.
Authors are required to follow the guidelines and templates available on IFKAD website: www.ifkad.org

Important Dates

22 January 2027 – Extended Abstract Submission Deadline
19 February 2027 – Acceptance Notification to Authors
16 April 2027 – Early-Bird Registration & Payment Deadline
23 April 2027 – Full Paper Submission Deadline
28 May 2027 – Regular and PhD Students Registration & Payment Deadline
12 June 2027 – Conference Program Release
28-30 June 2027 – Conference sessions *(to be considered as 3 full working days)*

Please note that all above indicated dates are **CUT-OFF** deadlines. There will not be an extention to any of these.

Further Information

For any information related to the conference and/or any special track, please see the event website at www.ifkad.org or contact the conference manager at **info@ifkad.org**