

IFKAD
International Forum on Knowledge Asset Dynamics

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IFKAD 2027

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
www.ifkad.org

Special Track n.: 37

Knowledge and AI in Project Management: Integration, Practices and Emerging Competences

Description

Over the past decade, artificial intelligence (AI) has emerged as a transformative technology, particularly in the field of project management. A growing body of research highlights its potential to enhance project performance. For instance, studies have shown that the use of AI tools can reduce project completion times by up to 20% and support the identification and mitigation of potential risks, contributing to a 15% reduction in project costs. More broadly, scholars describe AI as a technology capable of simulating aspects of human intelligence, analysing large amounts of data, and learning from past experiences.

According to a recent literature review by Rodríguez et al. (2025), AI has been increasingly applied to project management, particularly in relation to repetitive and routine activities, decision-making, judgement, and problem-solving. By supporting these activities, AI can enhance project management practices through outcome prediction, resource optimisation, and the automation of repetitive processes. Such automation can, in turn, enable predictive and corrective analyses, providing project managers with relevant information to support decision-making. Across these different applications, knowledge represents a particularly important dimension, as the effective use of AI depends not only on technological capabilities but also on how knowledge is generated, interpreted, shared, and applied within projects.

Despite the growing potential of AI in project management, its adoption is not without challenges. Managers may hesitate to adopt AI because of uncertainty about how to effectively integrate it into their project operations. In particular, they may face questions concerning which areas of their business could benefit from AI and how these technologies can be effectively applied to different tasks (Dzhusupova et al., 2024). In this context, knowledge areas can be understood as key domains of activity and responsibility within a project, defined by the type of knowledge required to perform them (Fridgeirsson et al., 2023). Moreover, there is often limited clarity regarding how AI can be incorporated into existing workflows and organisational processes (Mikalef and Gupta, 2021). This uncertainty may constitute a significant barrier to AI adoption, as managers may be reluctant to invest in new technologies without a clear understanding of their potential implications for project operations and outcomes.

Against this background, this track aims to investigate the relationship between knowledge and AI in project management, with particular attention to the integration of AI functionalities with human and organisational knowledge. Examining this relationship can contribute to the knowledge management literature by advancing our understanding of how knowledge is generated, interpreted, shared and applied in AI-supported project environments (Muller et al., 2024). In particular, the coexistence of digital and algorithmic advancements with established managerial instruments and practices raises questions about how project management practices are changing and what competences these changes require. The track therefore explores how project managers and teams combine AI-generated insights with situated knowledge, professional judgement and experience, and how this combination reshapes managerial roles and responsibilities. By examining these interactions, the track connects to the IFKAD 2027 theme, focusing on the relationships among technology, human expertise and organisational practices in knowledge-intensive project activities (Jarrahi et al., 2023).

Indicative Topics

- Integration of AI functionalities with human and organisational knowledge in projects
- AI-supported knowledge generation, sharing and application across projects
- Changes in project management practices, workflows and decision-making
- Professional judgement, trust and accountability in AI-supported project management
- Emerging competences and changing roles of project managers and teams
- Organisational conditions, benefits and barriers to AI adoption in knowledge-intensive project environments

Keywords

AI, project management, knowledge integration, knowledge management, project practices, competences

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**