

Track - 8th Edition of the International Conference on Project & Logistics

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Harnessing Technological Innovation and Artificial Intelligence for Sustainable Supply Chain

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Track Description

English version :

Integrating technology into Supply Chain Management (SCM) helps to improve performance and gain competitive advantage. The benefits are manifold, and concern all supply chain processes, from the product design phase through to procurement, flow management, transport, distribution, etc. (Alkaraan et al., 2025). These contributions are particularly important in a context where the complexity of SCM is growing, and the associated risks are increasingly present (Jamwal et al., 2022). Several technologies, such as blockchain, IoT and artificial intelligence (AI), can be used to optimize supply chain processes and improve performance, particularly in environmental terms (Benzidia et al., 2021 ; Karmaker et al., 2023 ; Najar et al., 2025; Ennajeh et al., 2025). Among these most promising technologies, AI offers potential for improvements and requires successful integration into supply chain processes and information systems (Hendriksen, 2023; Cannas et al., 2024). Among the objectives of technology adoption in general and AI in particular, recent research highlights sustainability (Sipola et al., 2023; Patalas-Maliszewska, 2024).

This track aims to explore how innovative technologies and AI can be used to make supply chains more sustainable. Researchers are invited to submit original contributions on this theme (in French or English). Papers can explore the applications, impacts and challenges of integrating technologies and AI in the sustainable transformation of supply chains. Theoretical, methodological and empirical perspectives, qualitative and quantitative studies are welcome.

Instructions to the Authors : <https://www.prologconference.com/author-guidelines-prolog-conference>

Track Keywords

Supply chain, Sustainability, Technology, Artificial Intelligence, Innovation.

French version :

L'intégration de la technologie dans le management de la supply chain permet l'amélioration des performances et l'acquisition d'avantages concurrentiels. Les apports sont multiples et concernent quasiment tous les processus de la supply chain dès les phases de conception du produit, l'approvisionnement, la gestion des flux, le transport, la distribution etc. (Alkaraan et al., 2025). Ces apports sont d'autant plus importants dans un contexte où la complexité dans le management de la supply chain est grandissante et les risques associés sont de plus en plus présents (Jamwal et al., 2022). Plusieurs technologies telles que la blockchain, IoT, l'intelligence artificielle (IA) permettent d'optimiser les processus de la supply chain et d'améliorer ses performances notamment environnementale (Benzidia et al., 2021 ; Karmaker et al., 2023 ; Najar et al., 2025 ; Ennajeh et al., 2025). Parmi ces technologies les plus prometteuses, l'IA offre un potentiel d'améliorations et nécessite une intégration réussie dans les processus et les systèmes d'information de la supply chain (Hendriksen, 2023 ; Cannas et al., 2024). Parmi les objectifs de l'adoption de la technologie de manière générale et de l'IA en particulier, les recherches récentes mettent en évidence la durabilité (Sipola et al., 2023 ; Patalas-Maliszewska, 2024).

Ce track se propose d'étudier la question de l'exploitation des technologies innovantes et de l'IA pour plus de durabilité des supply chain. Les chercheurs sont invités à soumettre leurs contributions originales sur ce thème (en français ou en anglais). Les articles peuvent explorer les applications, les impacts et les enjeux liés à l'intégration des technologies et de l'intelligence artificielle dans la transformation durable des supply chain. Des perspectives théoriques et conceptuelles, méthodologiques et empiriques, des recherches qualitatives et quantitatives sont les bienvenues.

Consignes pour les auteurs : <https://www.prologconference.com/author-guidelines-prolog-conference>

Mots clés

Supply chain, Durabilité, Technologie, Intelligence Artificielle, Innovation.

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