Project Management and IS

Digital transformation has become a focal management issue and requires new managerial approaches.

Project management and IS are closely linked because the success of a project depends heavily on the effective use of technology and information. IS provide project managers with the tools and resources needed to plan, schedule, and track project tasks and progress, as well as communicate and collaborate with team members.

Today's research is focusing on how digitalization is impacting project management as a discipline. This track is dedicated to scholars from the project management, information systems, and innovation management in general to deepen the topic of digital as an outcome and as a vehicle to manage projects, including digital transformation projects, cyber-physical projects, and agile/hybrid projects. This interdisciplinary approach aims to compare existing and new theories from each field in order to explore the following research fields:

1) digital transformation as an outcome of projects,

2) digital enabling of project management, and

3) agile and hybrid approaches.

For example, project management software can help project managers create project schedules, assign tasks to team members, monitor progress, and identify potential problems. This information can then be used to make informed decisions and adjust project plans as needed. Additionally, IS can also support the communication and collaboration aspects of project management.

The organizational link between project management and information systems is strong and important. Information systems provide project managers with the necessary tools and resources to plan, execute, and monitor projects, while project management provides a framework for using these tools and resources effectively.

Track main topics:

Organizations are dealing with disruptive technologies impacting every aspect of their business model and business ecosystem (Verhoef et al., 2021). The project can be seen as a transformational vehicle touching multiple stakeholders inside and beyond the organization (Shaughnessy, 2018). There are several tools that can be investigated in the field of IS and project management: PM software, collaboration tools, time tracking software, risk management software, resource allocation software, document management systems, dashboard and reporting tools.

Moreiver, digital technologies such as Building Information Modelling (BIM), Geographical Information Systems (GIS), digital twins, artificial intelligence, automation and robotics, project-specific social media, blockchain, big data, instant messaging, and integrated communication platforms are significantly influencing project delivery and management (White, 2019), as well as the communication and interaction among team members and stakeholders (Caccialanza et al., 2022).

This new communication model and the wealth of data provided by these technologies present opportunities to explore previously unexamined areas and, particularly, to assess the managerial and social implications of these innovations.

Suggested contributions might include – but are not limited to - the following topics:

- Digital projects to promote inclusive and sustainable innovation
- Delivering value from digital transformation projects
- Change management
- Stakeholders' participation and involvement
- Innovation management
- Handling and impact of new data-streams
- Sustainable approaches for digital transformation
- Digital technology and communication and collaboration within project teams and with stakeholders
- The application of big data in project management
- The impact of artificial intelligence and automation in project management
- The potential for blockchain technology to transform project management
- The role of project-focused social media in improving communication and collaboration

We invite conceptual as well as empirical papers based on quantitative, qualitative research or mixed methods and participatory research approaches.

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