

Artificial Intelligence and Project Management Special Interest Group

Artificial Intelligence is changing how projects, programs, and portfolios are selected, planned, delivered, governed, and evaluated. It can reduce repetitive work, reveal patterns in complex project data, improve forecasting and scenario analysis, and help project professionals make faster and better-informed decisions.

AI is already moving from experimentation into everyday project delivery. Applications include forecasting, decision support, administration, risk management, reporting, resource allocation, and scheduling.

However, the opportunity is not simply to automate existing processes. It is to explore how AI can improve project outcomes while keeping people, professional judgement, ethics, and accountability at the centre.

What does the AI and Project Management Special Interest Group do?

The SIG brings together project professionals, AI specialists, researchers, educators, and organisational leaders to explore two connected questions:

- How can AI support project, program, portfolio, and PMO activities?
- How can project management help organisations deliver AI solutions and AI-enabled transformation successfully?

We exchange practical experience, use cases, research, and lessons learned. Through presentations, demonstrations, workshops, case studies, panel discussions, and collaborative experiments, members examine both the opportunities and limitations of AI.

Our aim is to strengthen project professionals' ability to lead complexity, improve decisions, engage stakeholders, and deliver sustainable value.

What is being discussed?

Our meetings explore the application of AI across the project life cycle, including:

- Business cases, project selection, and portfolio prioritisation
- Project planning, scheduling, resource management, and dependency analysis
- Predictive forecasting, scenario modelling, and recovery planning
- Early identification of risks, issues, delays, and cost pressures
- Automated monitoring, reporting, documentation, and administration
- Stakeholder engagement, communication, and sentiment analysis
- Knowledge management and the practical reuse of lessons learned
- Decision support for sponsors, project boards, PMOs, and delivery teams
- Generative AI, machine learning, predictive analytics, digital twins, and AI agents
- The evolving role and competencies of project professionals

The group also explores how project management can support the successful delivery and adoption of AI solutions, including:

- Defining the purpose, value, and intended outcomes of an AI initiative
- Managing experimentation, uncertainty, and changing requirements
- Establishing appropriate data, technology, and governance foundations
- Moving from pilot or proof of concept to operational adoption
- Managing organisational change, user trust, and workforce impact
- Measuring benefits, adoption, performance, and long-term value

How do we approach responsible AI?

AI can produce convincing but inaccurate outputs, inherit bias from data, expose confidential information, or support decisions that are difficult to explain. Responsible use must therefore be designed into the project rather than added afterwards.

The **IPMA AI Codex and Guidelines on Applying AI in Project Management** provide an important foundation for the group's work. They address transparency, accountability, privacy and data protection, fairness, bias mitigation, safety, security, and human oversight. They also promote alignment between AI use, organisational governance, and established IPMA competence frameworks.

Learn more about the [IPMA AI Guidelines](#).

Our discussions consider practical questions such as:

- When can an AI output be trusted, and how should it be validated?
- Who remains accountable for an AI-supported decision?
- Which project information may safely be entered into an AI tool?
- How can bias, hallucinations, and unintended consequences be identified?
- How much human oversight is appropriate for different levels of risk?
- How can AI-supported decisions remain transparent and auditable?
- How should governance adapt as AI systems become more autonomous?

Governance should be proportionate to the project's complexity, risk, AI maturity, and level of automation. Appropriate governance helps organisations use AI ethically, efficiently, and effectively while maintaining clear human ownership of decisions and outcomes.

Who is the SIG for?

The group is for project, program, portfolio, change, and PMO professionals at every stage of their AI journey, from those exploring their first use case to those implementing AI across complex portfolios and organisations.

You do not need to be an AI expert. Curiosity, practical experience, critical thinking, and a willingness to learn and contribute are enough.

Join the conversation

Whether you are testing your first AI assistant, introducing AI across a PMO, managing multiple projects, or leading an AI transformation, this group offers a place to learn, question, experiment, and contribute.

Join us in shaping the responsible and practical future of AI-enabled project management. Stay informed about upcoming meetings, demonstrations, workshops, research, and opportunities to contribute.

About IPMA NL and SIG Lead Velimir Tasic, PhD

At IPMA NL, we believe Artificial Intelligence offers project professionals an important opportunity to improve project delivery and increase the value projects create. For example, AI can support better-informed decisions, reduce administrative effort, and allow project professionals to focus more attention on leadership, collaboration, and change.

As the driving force behind this Special Interest Group, I want to help build an active community where members can share practical experience, challenge assumptions, experiment responsibly, and learn from one another. No one has all the answers, but together we can help shape a human-centred and responsible future for AI-enabled project management.

As a Senior Project and Program Manager with more than 10 years of experience across Europe, Asia, and the United States, I have led complex technology, business transformation, and multi-project initiatives. My purpose is to connect strategy, technology, change, and people so that ambitious ideas become adopted solutions that deliver measurable value.