



WS06 – Smarter And Faster Evidence Synthesis: Using Artificial Intelligence To Transform Systematic Reviews

Facilitators

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Summary

Join IECS experts and international collaborators for a full-day interactive workshop exploring AI-driven approaches to systematic reviews. Through live demonstrations, hands-on exercises, and real-world applications, participants will learn how to apply cutting-edge tools like Ryann and Nested Knowledge to accelerate evidence synthesis—enhancing efficiency, transparency, and methodological rigor in health technology assessment and decision-making.

Outcomes and Objectives

This workshop aims to build skills and confidence in applying AI tools to systematic reviews and HTA workflows. Participants will: (1) identify the strengths and limitations of AI-assisted tools; (2) evaluate their performance and transparency; and (3) design strategies for responsible integration into institutional practices. By session's end, attendees will be equipped to implement efficient, rigorous, and ethical AI-driven review processes—enhancing HTA capacity across research, policy, and industry settings.

Structure of Session

This full-day interactive workshop combines short lectures, live demonstrations, and small-group exercises. Faculty from Cochrane, the Instituto de Efectividad Clínica y Sanitaria (IECS), and the AI industry will guide participants through practical applications using tools such as Rayyan and Nested Knowledge. Participants will engage collaboratively in exploring real-world cases, testing AI functionalities, and reflecting on ethical, methodological, and operational implications for evidence synthesis and HTA practice.