



WS17 – Accelerating HTA Evidence Synthesis With ASReview: Transparent And Reproducible AI-Supported Screening

Facilitators

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Summary

This workshop demonstrates ASReview, an open-source AI tool that accelerates literature screening while maintaining transparency and reproducibility. Through live demonstration and guided hands-on exercises, participants will learn how to incorporate AI into evidence review workflows using example or self-provided data. Primarily for researchers, but policy makers, and participants from commercial entities seeking more efficient HTA processes are welcome.

Outcomes and Objectives

Participants will gain practical skills in AI-aided literature screening, including dataset preparation, running ASReview, interpreting results, and reporting processes transparently. They will understand how AI can be responsibly integrated into evidence synthesis pipelines to improve efficiency without compromising rigor. The session will build confidence among both technical and non-technical attendees in applying AI tools to accelerate and adapt HTA workflows.

Structure of Session

The workshop combines short presentations, live demonstration, and hands-on practice. Facilitators will explain ASReview's foundations, model-training and showcase its interface with emphasis on transparency and communication of AI processes to non-technical audiences. Participants will follow a step-by-step guided screening exercise using either example datasets or their own data. Peer support and facilitator assistance will ensure practical skill acquisition. Group reflections will connect learnings to HTA decision-making contexts as well as demonstrate multiple use-cases.