

A MULTILEVEL FRAMEWORK ON AI LITERACY IN EDUCATION

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AI LITERACY IN EDUCATION

As AI rapidly transforms education, a shared understanding of AI literacy has become essential. This research-based framework synthesises recent literature into the core **knowledge, skills, attitudes**, and **ethical considerations** needed by teachers and students to engage with AI effectively and responsibly.

METHODOLOGY

Using an **umbrella review** (JBI guidelines), we synthesised evidence from 31 high- and medium-quality reviews on AI literacy. A targeted database search and AI-assisted screening with ASReview's SAFE procedure streamlined study selection. Narrative thematic analysis revealed core definitions, indicators, and factors shaping AI literacy in education, forming the basis of our framework.

THE FRAMEWORK

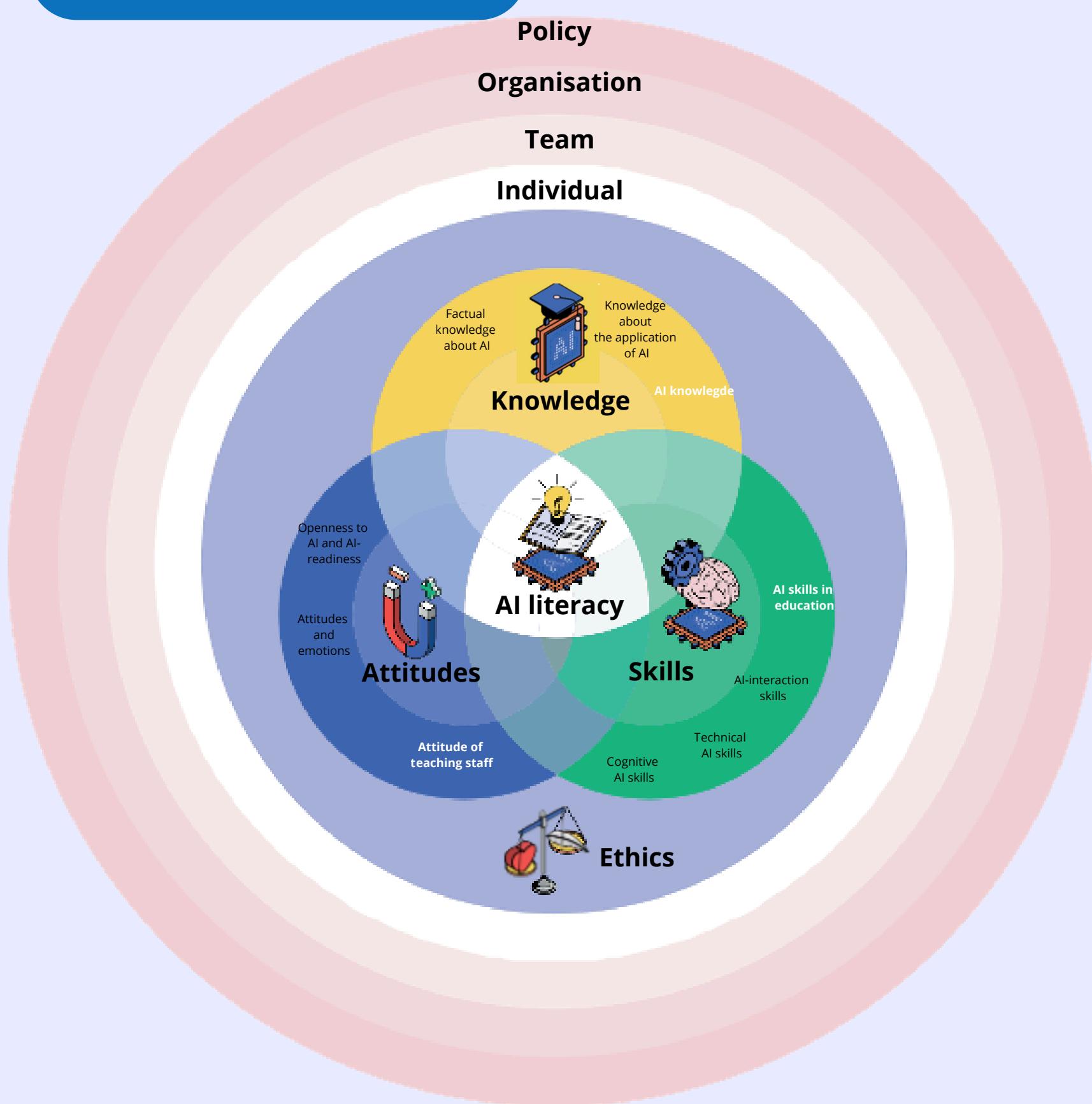
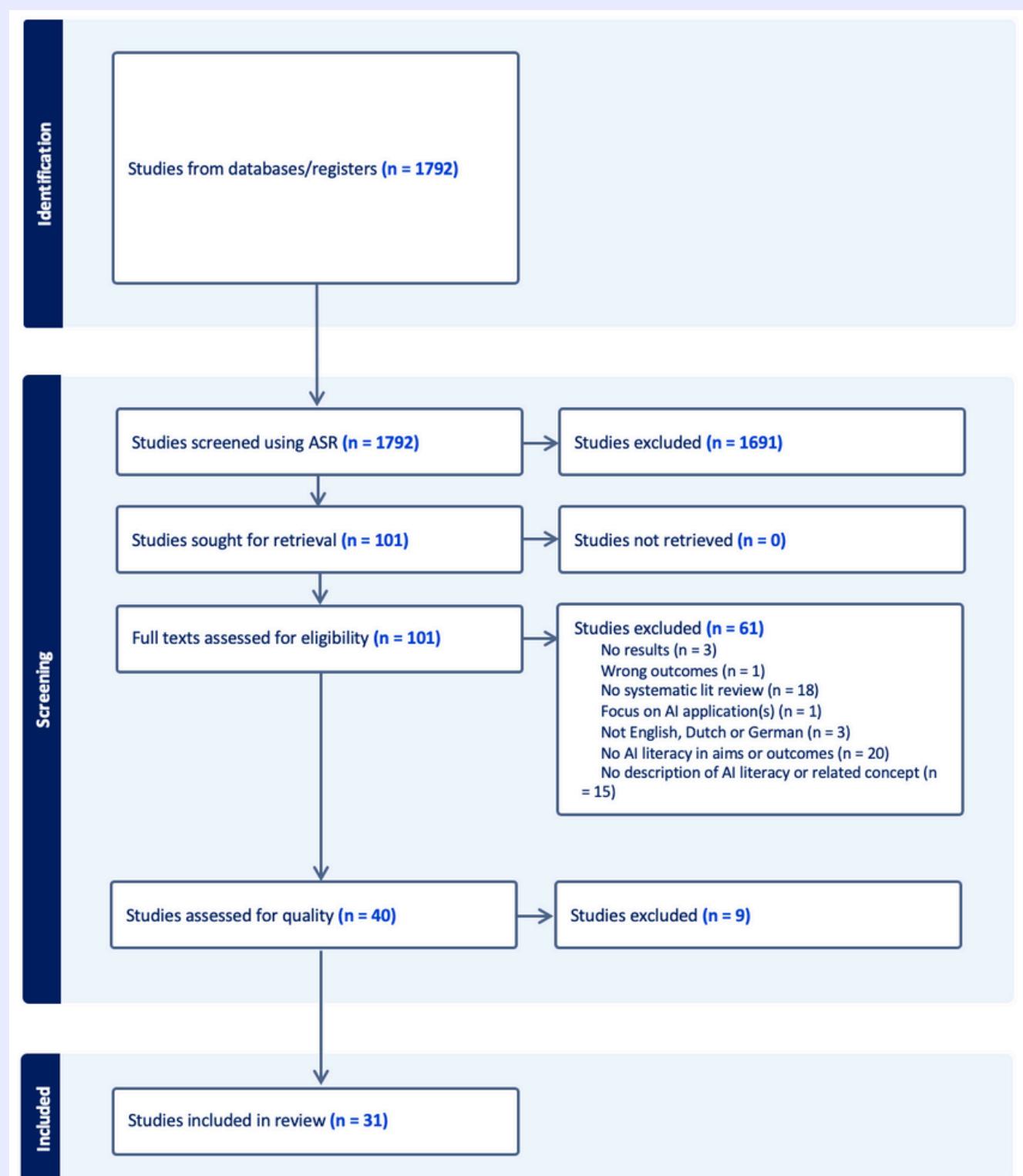


Figure 1: PRISMA



CONCLUSION

Our framework redefines AI literacy as knowledge, skills, attitudes, and ethics, shaped by context and multiple system levels. It offers a practical foundation for embedding AI literacy in education – let's work together to put it into practice.

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