Cochrane
Germany Foundation

3rd Methods-Forum, 14th June 2024

Opportunities, Limitations, and Risks of Artificial Intelligence in Evidence Synthesis in Health Care

Schedule		
From 09:30	**Registration (Atrium)**	
10:00	**Welcome**	**Jörg Meerpohl**
	Moderation	**Valérie Labonté**
Introduction		
10:15 - 10:45	How do large language models and AI-based automation tools work?	**Harald Binder**
10:45 - 11:15	Overview: Application of large language models and AI-based automation tools in evidence syntheses	**Angelika Eisele-Metzger**
AI methods in evidence synthesis		
11:15 - 11:45	(How) can AI-based automation tools assist with systematic searching?	**Maria-Inti Metzendorf**
11:45 - 12:15	How can large language models and/ or AI-based automation tools assist the screening process?	**Siw Waffenschmidt**
12:15 - 13:30	**Lunch break**	
	Moderation	**Waldemar Siemens**
13:30 - 14:00	(How well) does data extraction work with large language models and/or AI-based automation tools?	**Gerald Gartlehner**
14:00 - 14:30	(How well) can large language models and AI-based automation tools assist in Risk of Bias Assessment?	**Daniel Böhringer**
14:30 - 15:00	How effectively do large language models and AI-based automation tools assist in writing and summarizing evidence syntheses?	**Riaz Qureshi** (online)
15:00 – 15:30	**Coffee break**	
Software solutions and outlook		
15:30 - 16:00	Presentation of systematic review automation software: LASER AI	**Artur Nowak**
16:00-16:30	Presentation of systematic review automation software: PITTS	**Piet Hanegraaf, Jacob-Jan Mosselman**
16:30 - 17:00	Transparency, reproducibility, and evaluation of results from large language models and AI-based automation tools in evidence syntheses – (un)achievable?	**James Thomas**
17:00 - 17:30	**Discussion** **Farewell**	**Waldemar Siemens** **Jörg Meerpohl**
17:30 - 19:30	**Get together (Atrium)**	

(Programme subject to modifications)

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