

## 3rd Methods-Forum, 14<sup>th</sup> June 2024

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

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

(Programme subject to modifications)