



*Workshop*

**MAPPING THE EVIDENCE LANDSCAPE:**  
A Hands-On Journey Through Systematic  
and Scoping Reviews

# CONTENT

LOGISTICAL DETAILS AND REGISTRATION	3
SYNOPSIS	4
PRE-READING	4
BIO	5
PROGRAMME: DAY 1	6
PROGRAMME: DAY 2	7

# LOGISTICAL DETAILS AND REGISTRATION



**Date of Workshop:** 23/25 October 2024

**Time:** Start at 08:30 daily (see program for details)



**Venue:** Optentia Indaba, North-West University,  
Vanderbijlpark



**To Register:** Email Lynn Booyesen  
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**Presenter:** Prof. Leoni van der Vaart

## SYNOPSIS

Join us on an exciting journey through the landscape of systematic and scoping reviews. With your research question as your compass, you'll navigate key milestones—developing protocols, crafting search strategies, and synthesizing evidence. This hands-on workshop equips you with the tools and skills to explore and master the process, transforming you into a skilled navigator ready to chart your own course in the world of research. Discover the art of evidence synthesis and reach your destination: high-quality, impactful reviews.

## PRE-READING

- Laher, S., & Hassem, T. (2020). Doing systematic reviews in psychology. *South African Journal of Psychology*, 50(4), 450–468. <https://doi.org/10.1177/0081246320956417>
- Munn, Z., Peters, M. D. J., Stern, C., Tufanaru, C., McArthur, A., & Aromataris, E. (2023). Scoping reviews: Reinforcing and advancing the methodology and application. *Systematic Reviews*, 10, Article 263. <https://doi.org/10.1186/s13643-023-02146-6>
- Siddaway, A. P., Wood, A. M., & Hedges, L. V. (2019). How to do a systematic review: A best practice guide for conducting and reporting narrative reviews, meta-analyses, and meta-syntheses. *Annual Review of Psychology*, 70(1), 747–770. <https://doi.org/10.1146/annurev-psych-010418-102803>

## Bio

Prof. Leoni van der Vaart is a postdoctoral researcher at the Norwegian University of Science and Technology and an honorary professor at Optentia. Leoni has a strong background in systematic and scoping reviews, with several publications in these areas. With a keen interest in artificial intelligence, she is passionate about applying AI to enhance teaching and research practices, exploring innovative ways to integrate technology into the academic landscape.



## PROGRAMME: DAY 1

Session	Topic	Time	Details/Activities
Session 1	Introduction to systematic review (SR) and scoping review (ScR)	08:30 – 09:30	<ul style="list-style-type: none"> <li>• Overview and key differences between reviews</li> <li>• Applications and examples</li> </ul>
Session 2	Compass: Formulating research questions and objectives	09:30 – 10:30	<ul style="list-style-type: none"> <li>• E.g. PICO/PICOS (Systematic Reviews)</li> <li>• E.g. PCC (Scoping Reviews)</li> <li>• Practical: Drafting research questions</li> </ul>
Break (15 minutes)			
Session 3	Guide: Developing a protocol	10:45 – 11:15	<ul style="list-style-type: none"> <li>• Elements of a protocol</li> <li>• Protocol registration / publication</li> </ul>
Session 4	Identifying and selecting studies	11:15 – 12:15	<ul style="list-style-type: none"> <li>• Search strategy development</li> <li>• Practical: Develop a search strategy</li> </ul>
Lunch (60 minutes)			
Session 4 <i>continues</i>	Identifying and selecting studies	13:15 – 14:15	<ul style="list-style-type: none"> <li>• Screening process</li> <li>• Practical: Screening exercise using pre-selected abstracts</li> </ul>
Break (15 minutes)			
Session 5	Technology and reviews	14:30 – 15:30	<ul style="list-style-type: none"> <li>• Introduction to Review Software</li> </ul>
Homework			<ul style="list-style-type: none"> <li>• Outline your review protocol</li> </ul>

## PROGRAMME: DAY 2

Session	Topic	Time	Details/Activities
Session 6	Data extraction and management	08:30 – 09:30	<ul style="list-style-type: none"> <li>• Designing data extraction forms</li> <li>• Practical: Extract data from a sample study</li> </ul>
Session 7	Critical appraisal and risk of bias assessment	09:30 – 10:00	<ul style="list-style-type: none"> <li>• Overview of critical appraisal tools</li> </ul>
Break (15 minutes)			
Session 7 continues	Critical appraisal and risk of bias assessment	10:15 – 11:00	<ul style="list-style-type: none"> <li>• Practical: Appraise a sample study</li> </ul>
Session 8	Synthesizing evidence	11:00 – 11:45	<ul style="list-style-type: none"> <li>• Quantitative Synthesis: Meta-Analysis</li> <li>• Qualitative Synthesis: Thematic / Content Analysis</li> <li>• Applications and examples</li> </ul>
Session 8	Reporting and dissemination	11:45 – 12:15	<ul style="list-style-type: none"> <li>• Reporting guidelines (PRISMA, PRISMA-ScR)</li> </ul>
Session 9	Workshop wrap-up	12:15 – 12:30	<ul style="list-style-type: none"> <li>• Recap of key concepts and tools</li> </ul>
Working lunch (for those interested)	Individual consultation sessions	12:30 – 14:00	<ul style="list-style-type: none"> <li>• Personalized advice on participants' projects</li> </ul>