

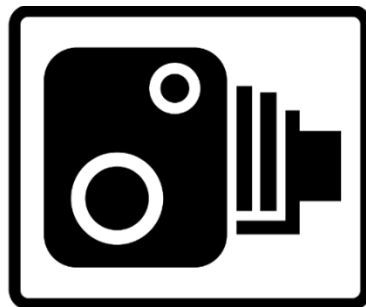
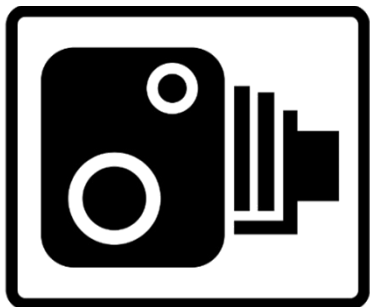


Observing Road user behavior A scoping review

Wouter van Haperen
wouter.vanhaperen@uhasselt.be

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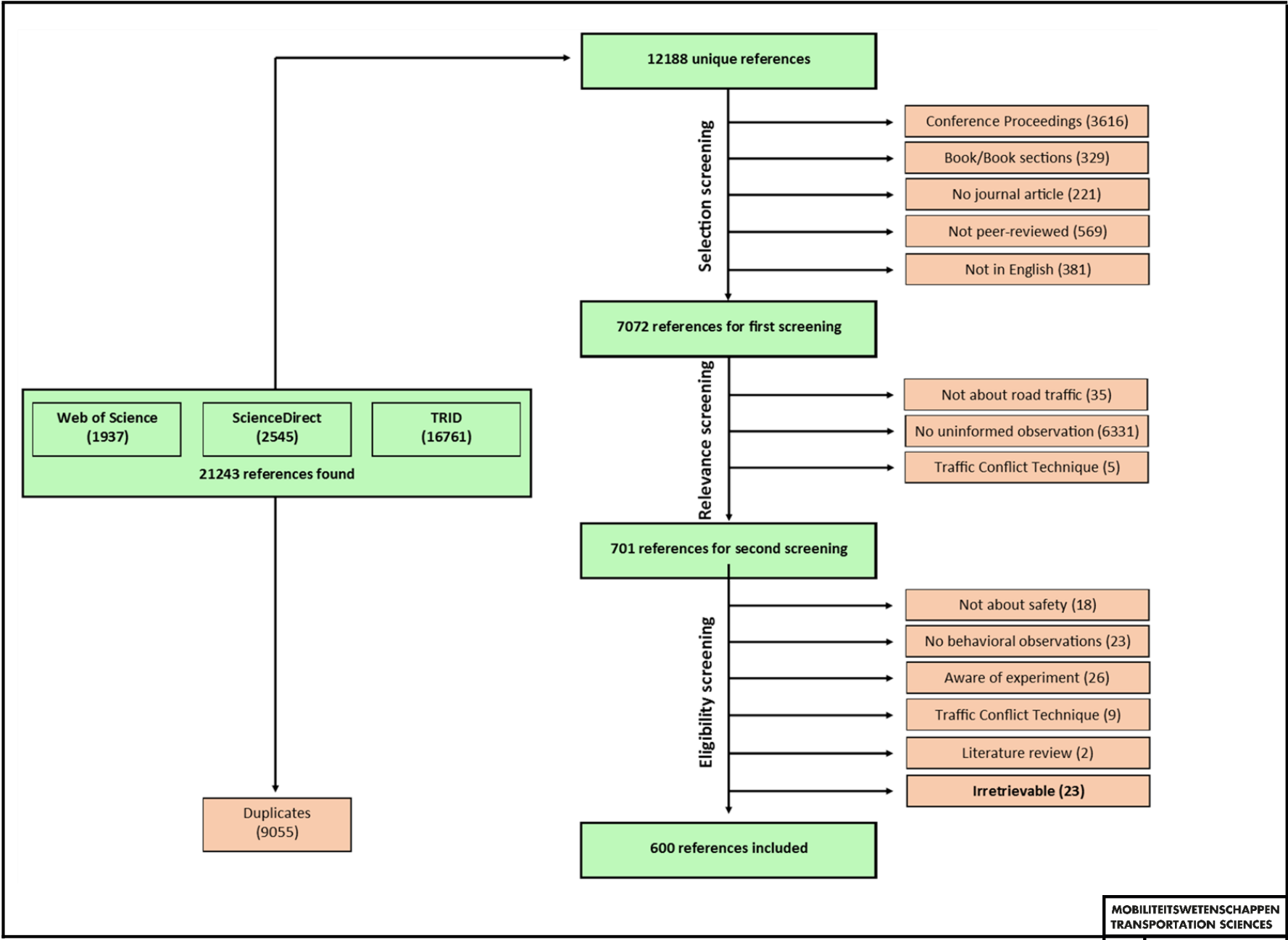
Behavioral observation

Observational		Experimental	
<i>Revealed</i>		<i>Simulated</i>	<i>Stated</i>
Crash data	Behavioral Observation <i>Traffic conflict observation</i> Naturalistic Driving	Driving Simulator Microsimulation Virtual reality	Questionnaires Interviews Focus groups

Studies observing the behavior of road users, in which the road users are not informed (beforehand) of their participation into the research project

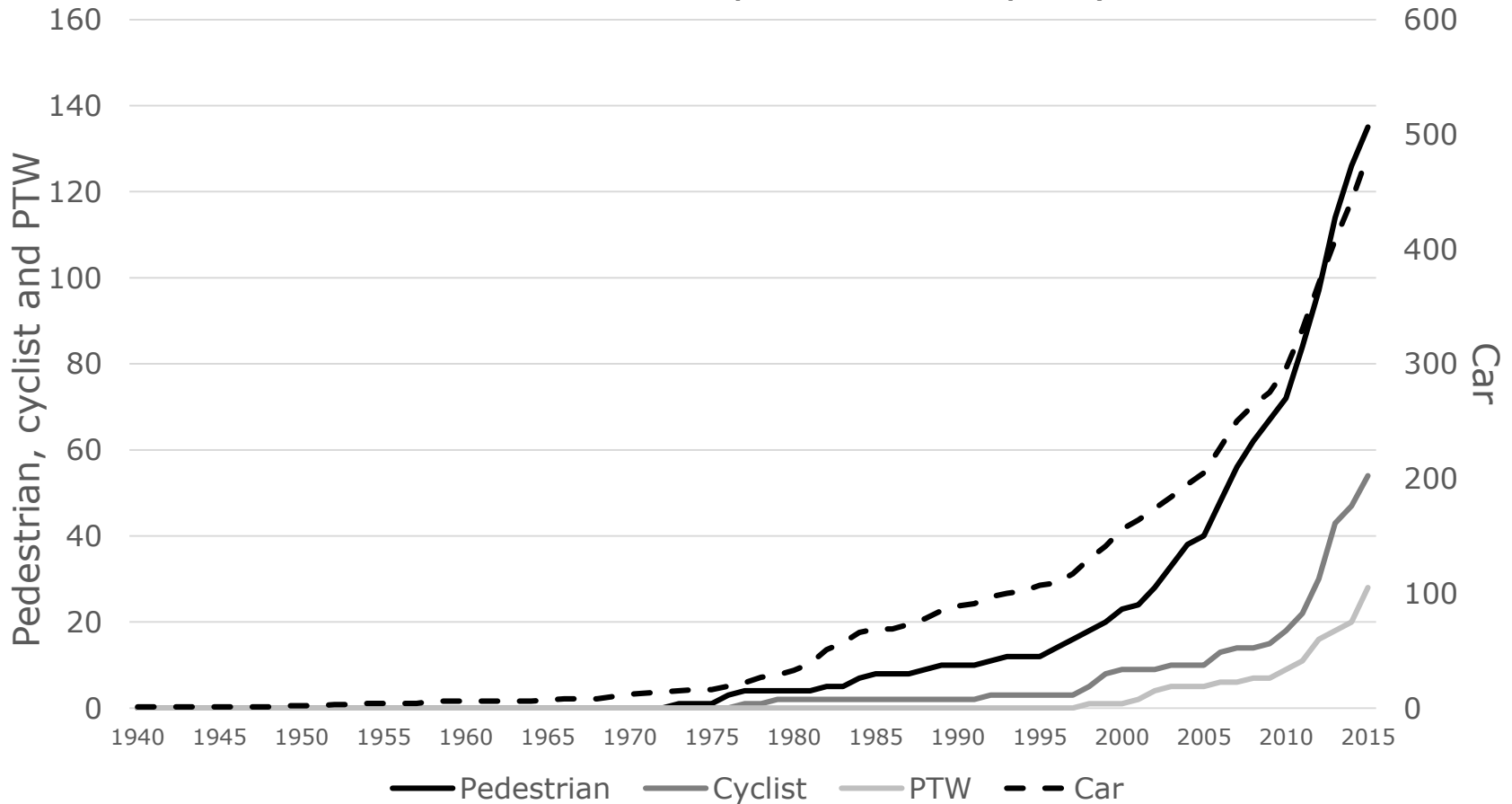
Our focus

- Peer-reviewed journal articles
- English
- WebOfScience, ScienceDirect and TRID



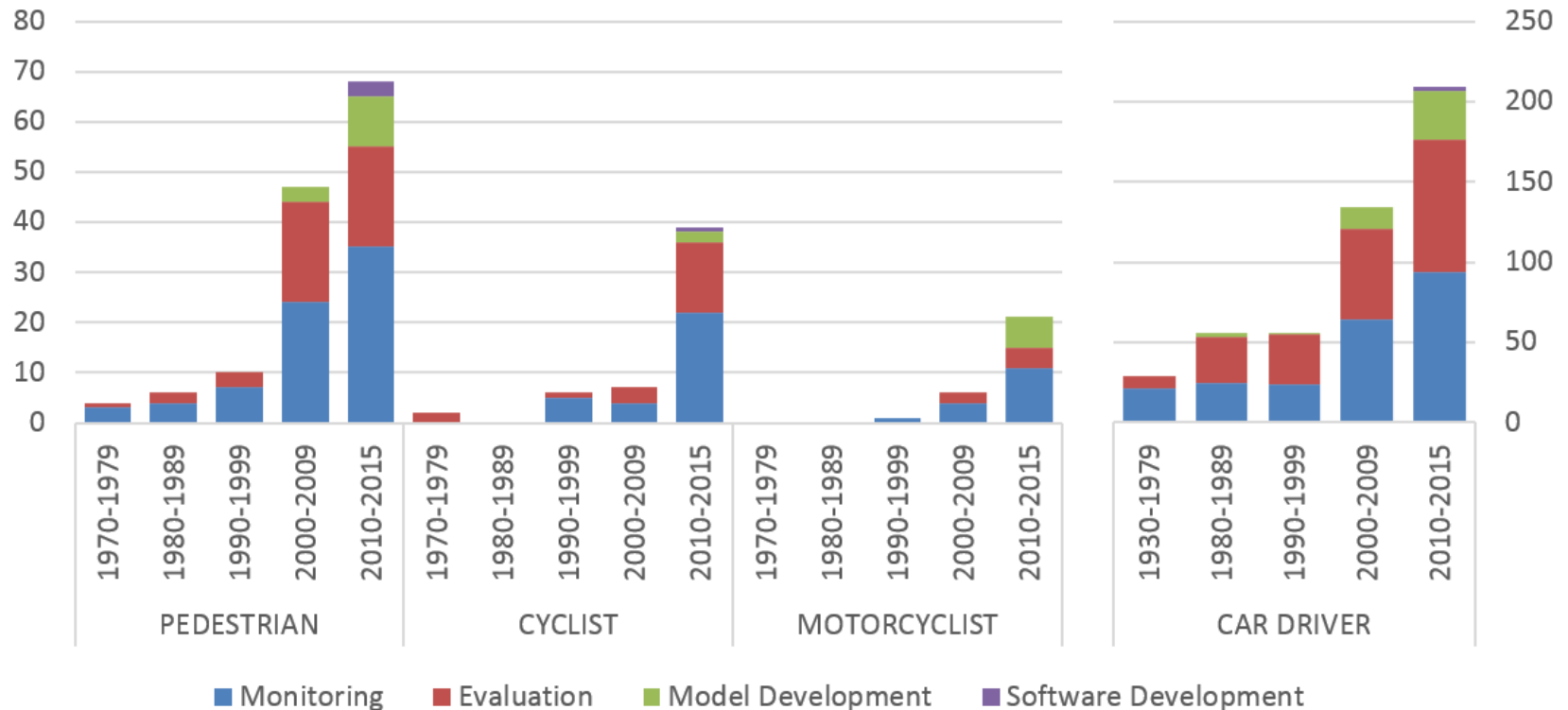
Over the years

Cumulative Number of publications per year [#]



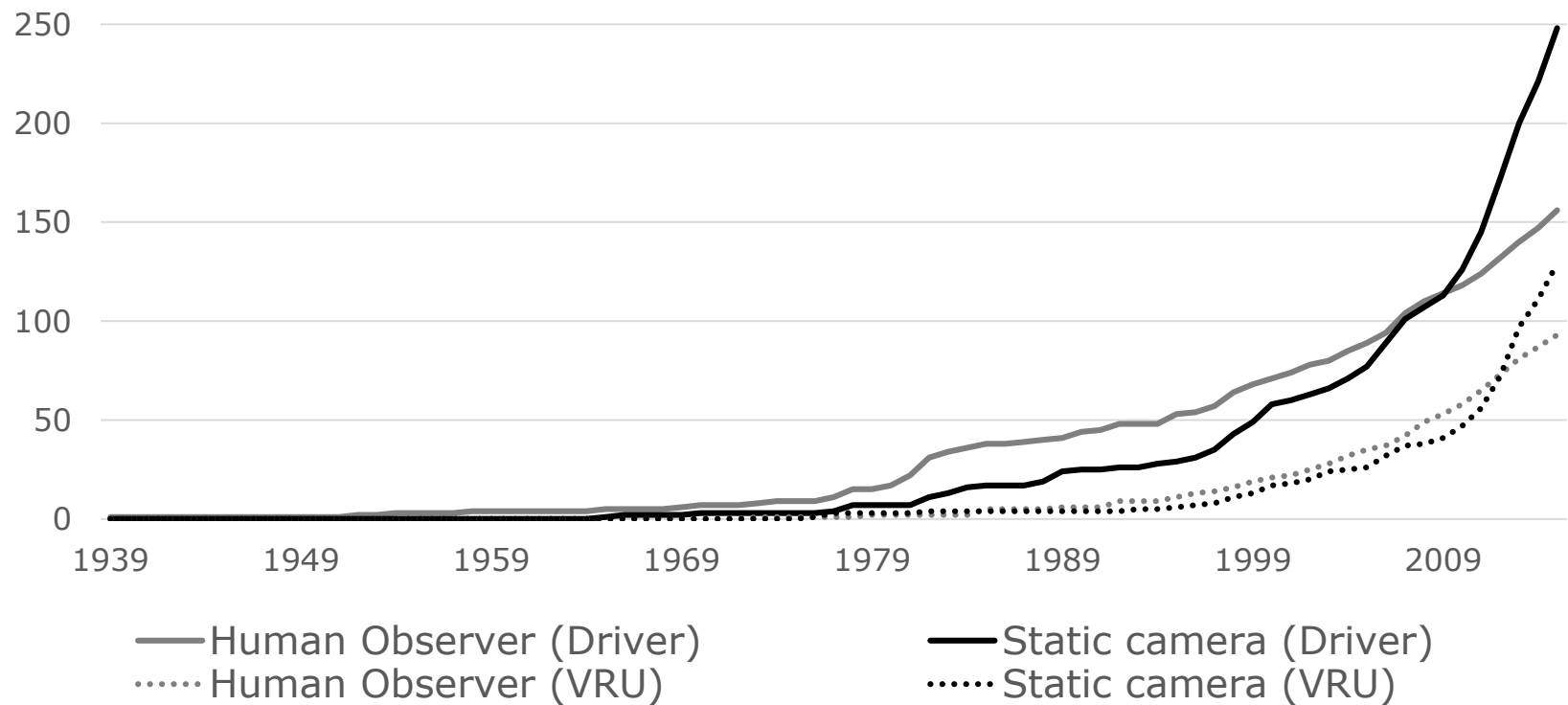
Research purpose

Number of published studies [#]



Data collection

Main data collection tools [#]



Topics

	1970-1979	1980-1989	1990-1999	2000-2009	> 2010
VRU	Crossing (2)	Crossing (2) Yielding (2)	Crossing (7) Yielding (2)	Crossing (23) Yielding (17) RLR (4)	Crossing (51) RLR (16) Yielding (13)
Driver	Yielding (7) Speeding (3) Overtaking (2)	Seatbelt (12) Speeding (11) Crossing (6)	Speeding (11) Crossing (8) Yielding (6)	Yielding (22) Speeding (20) Crossing (18)	Speeding (33) Yielding (28) Crossing (21)

Indicators

	1970-1979	1980-1989	1990-1999	2000-2009	> 2010
VRU	Looking (4) Crossing path (3) Speed (3)	Speed (4) Yielding (3) Evasive action (3)	Speed (5) Looking (5) Evasive action (4) Gap acceptance (4)	RLR (20) Speed (19) Looking (16)	RLR (47) Speed (47) Crossing path (27)
Driver	Speed (10) Yielding (3) Lateral position (3)	Speed (32) Seatbelt (14) Headway (10)	Speed (34) Looking (8) Seatbelt (7)	Speed (68) RLR (23) Headway (18)	Speed (133) Headway (53) Yielding (28)

Reflection

Description on meta-level

- Overall trends
- Identification of research gaps
- Interesting methodologies for future research?

Data

- Transparency
- Missing data?
- Grey literature?
- Tracking algorithm publications in other domains?



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