MSE WORKSHOP

SYSTEMATIC META-NARRATIVE REVIEW

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SCHOOL OF COMMUNICATION AND CULTURE
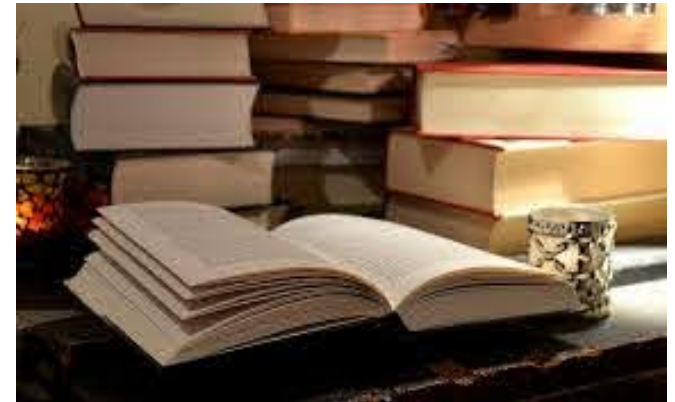
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MSE WORKSHOP
1 DECEMBER 2020

ANTOINETTE MARY FAGE-BUTLER
ASSOCIATE PROFESSOR

LITERATURE REVIEW - MOTIVATION

- Climate change a looming crisis for humanity (UN and WHO)

- The necessity for multidisciplinary perspectives to address climate change (de Bruin & Granger, 2019)

- We think and work within our disciplinary paradigms; different disciplines approach the problem in different ways

RANGE OF FOCUS

Systematic meta-narrative review (e.g. Greenhalgh et al., 2004)

- Focuses on research narratives and findings across multiple disciplines
- Draws on Kuhnian theory – paradigmatic understanding of knowledge
- Perspectivism (Giere, 2006); polyocularity (Alrøe and Noe, 2011)

RESEARCH QUESTION

What are (a) the **main conceptualisations** of **public trust/lack of trust/mistrust of climate science** across various academic disciplines (including science and technology, social sciences, health, and arts/humanities) and what are (b) the **main findings** relating to **public trust/lack of trust/mistrust of climate science** across those disciplines?

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STEPS

- Deciding on **key terms** and **databases** with librarian – an iterative process
- **Extraction of the data**
- **Covidence program** facilitates team-work on literature reviews
  - Imports references; removes duplicates
  - Title and abstract reading (done in pairs) – inclusionary and exclusionary criteria
  - Whole text (done in pairs) – additions and refinements to the inclusionary and exclusionary criteria

FLOW CHART

📄 **352** studies imported for screening	→

→ **45** duplicates removed

📄 **307** studies screened

→ **186** studies irrelevant

📄 **121** full-text studies assessed for eligibility

→ **65** studies excluded
▶ **Show reasons**
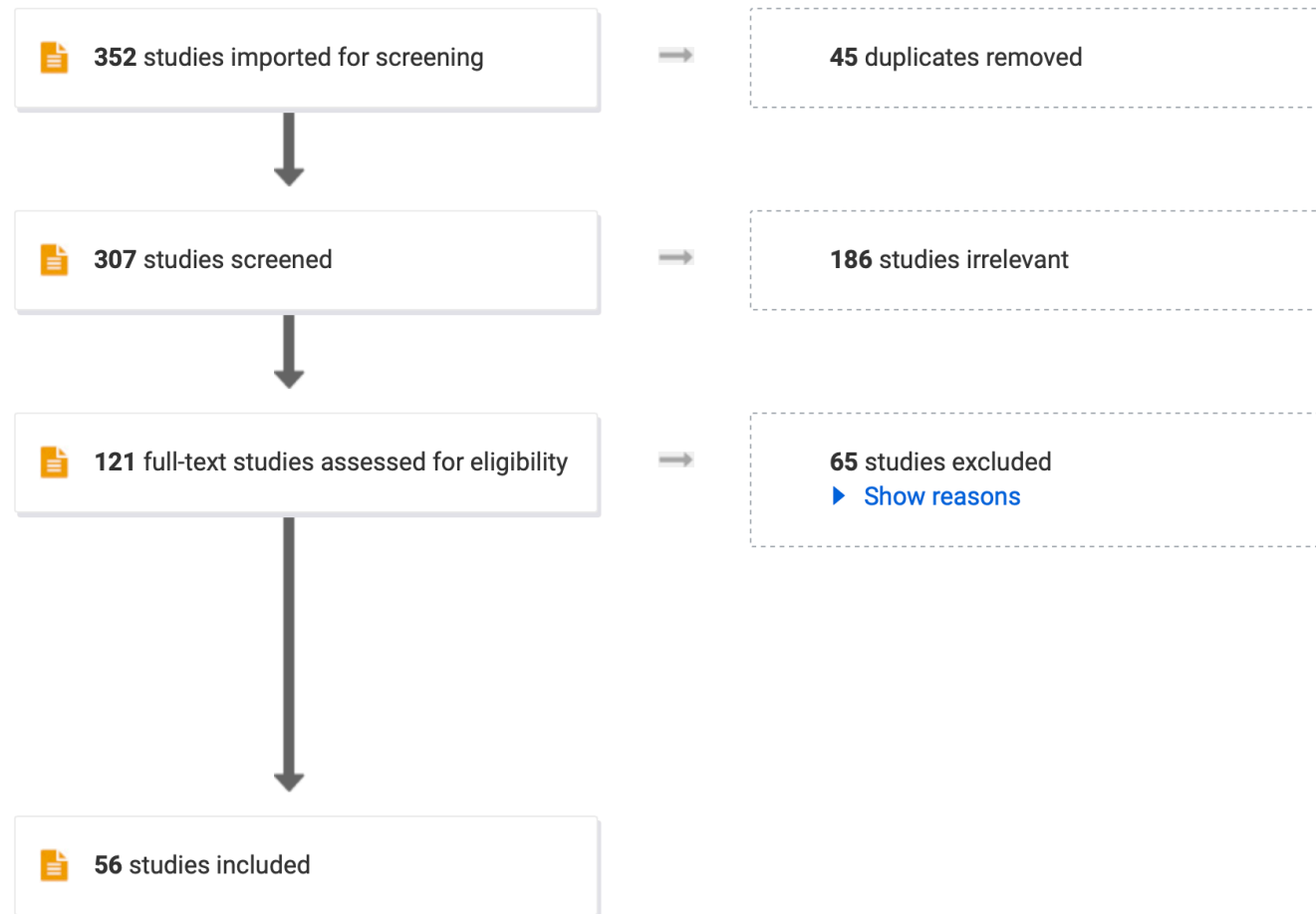
📄 **56** studies included

TABLE: DEVELOPING AN ANALYTICAL FRAME

- Took 4 articles each to decide on headings in table; discussed possibilities in relation to RQ → Result

Author, date + country	Academic discipline	Research question/ aim	Method; sample size, if applicable (Qual/quan/MM)	Conceptualisation of trust/mistrust	Findings/ conclusions in relation to trust/mistrust

- Completed the table in pairs to ensure consistency

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PROVISIONAL FINDINGS

Disciplines

Psychology, political science, education, sociology, science studies, communication, philosophy, cognitive science, ...

Conceptualisations

Trust in relation to knowledge, politics, religiosity, behaviour, ...

Trust as attitudinal, moral, cognitive, affective, communicated, cultural, a relationship ...

Observations

Overarching discipline: social sciences

Main method: surveys

Main country: US

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