



# Evidence Map of Factors That Drive the Transition to Modern Energy Cooking Services



Caroline Ochieng



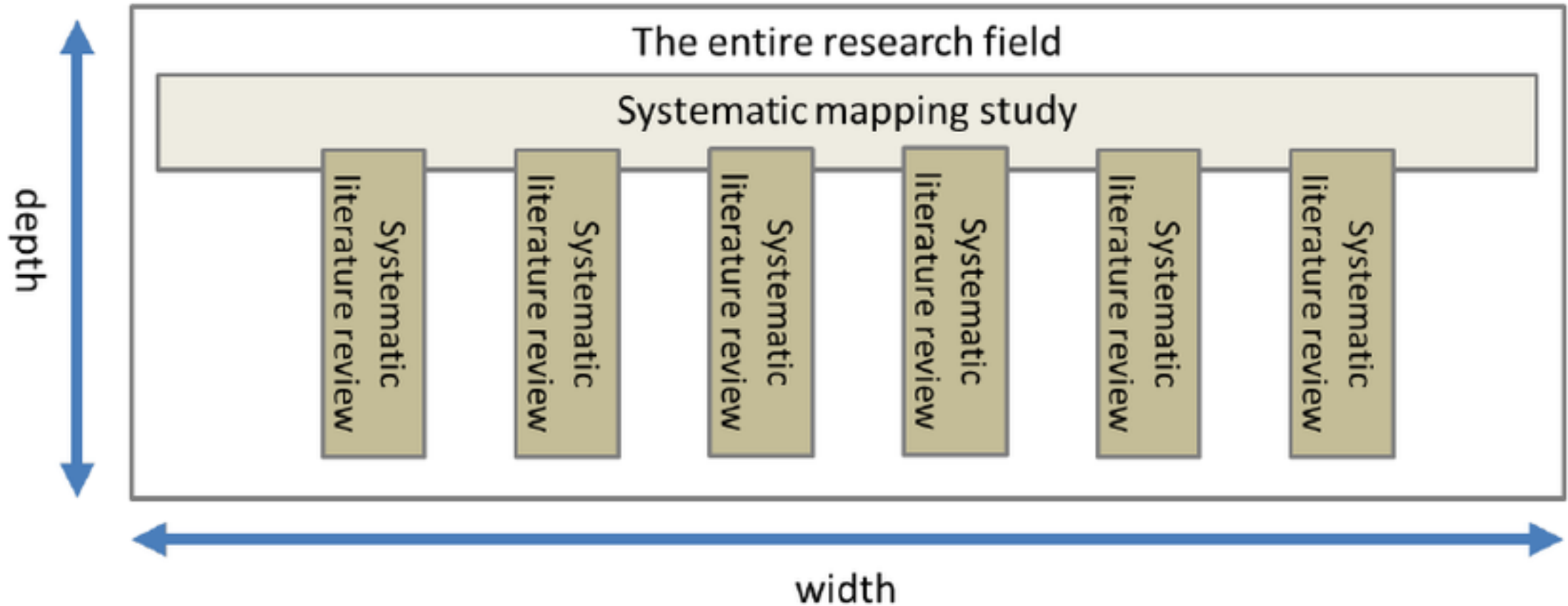
# Why are systematic reviews important?

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- Policy Question: How can we transition 2.2 billion people to clean cooking energy by 2030? What are the likely barriers and how do we tackle them?
  - Identify, evaluate, and summarize the findings of all relevant individual studies on the topic (the evidence base)
- Systematic review and mapping:
  - Enables increased and efficient access of existing evidence
  - Utilises legitimate and reliable standards of evidence synthesis - credibility
  - Ensures rigor, objectivity and transparency in evidence synthesis



# Systematic review vs. Systematic Mapping



# Key steps and outputs



Review question and its key elements (PICO framework)



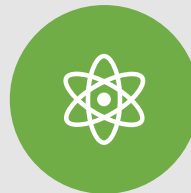
Protocol – Stakeholder engagement



Search and selection of studies (incl. quality assessment)



Data extraction



Synthesis (maps, narrative synthesis, meta-analysis)



Interpretation

# Review Question

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**Review question:** What factors are critical to achieve a large-scale transition towards sustained use of modern energy with particular reference to cooking in Low- and Middle-Income Countries?

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**Population:** participants in a large-scale (e.g. village, regional, national) technology or fuel change program. Transitions to electricity for cooking were limited to studies from LMICs. Excluded during screening process.

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**Intervention:** restricted to large scale 'program' aimed at producing a technology change (any sector). Within the programs, all studies where groups of individuals (households, villages, areas) are studied were included. Studies reporting individual choices outside an obvious program were excluded.

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**Counterfactual:** Presence of a control in the research was not a requirement of inclusion, but was recorded if present in the study design.

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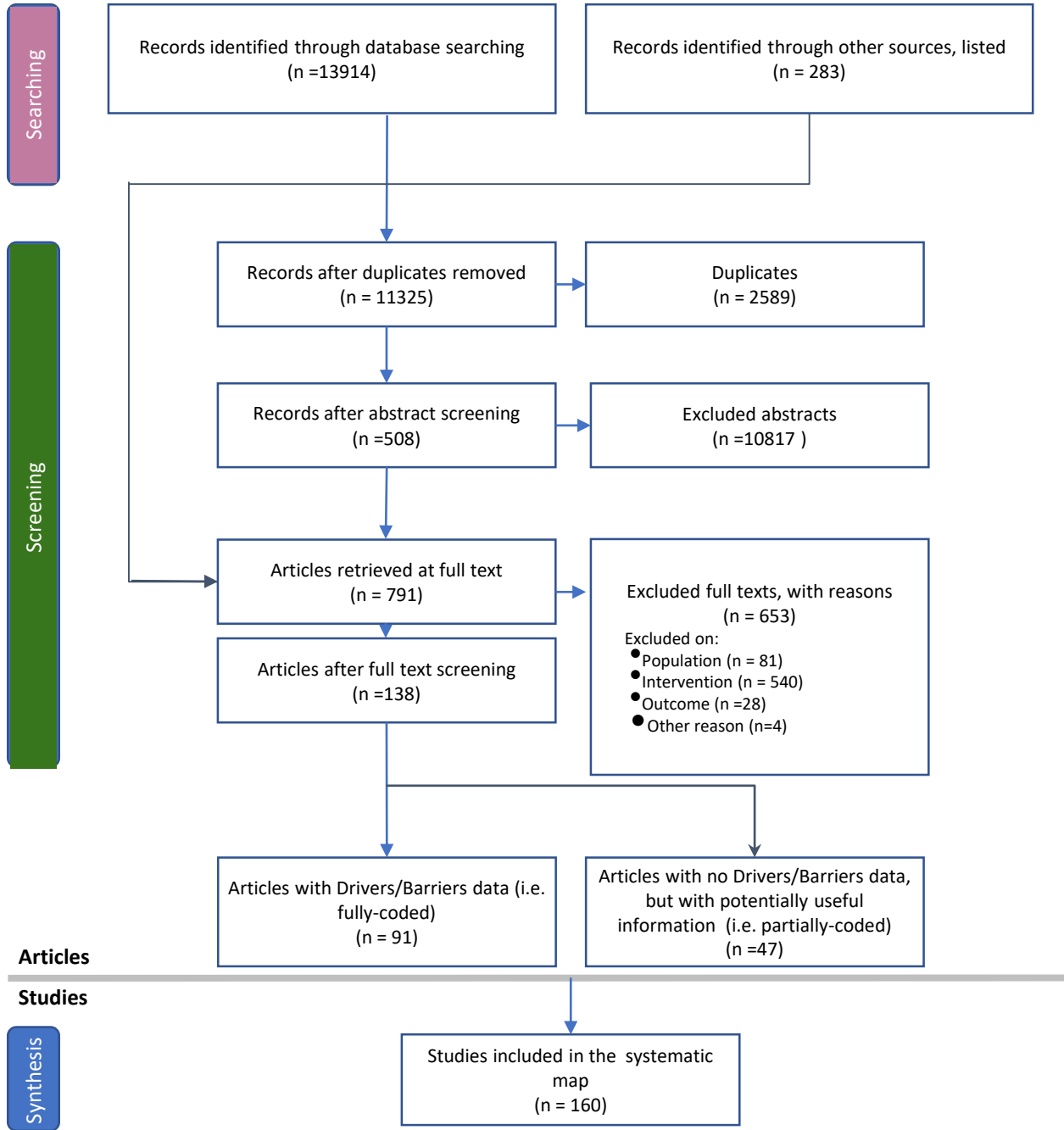
**Outcome:** one of three outcome measures had to be present for studies to be included: (i) data reporting positive/negative/neutral changes to social, economic or environmental variables as a result of the programme or intervention; (ii) reported measures of uptake or sustained use (iii) drivers and/or barriers to change, where supported by tabulated results or qualitative results that indicated number of respondents.

# Protocol development

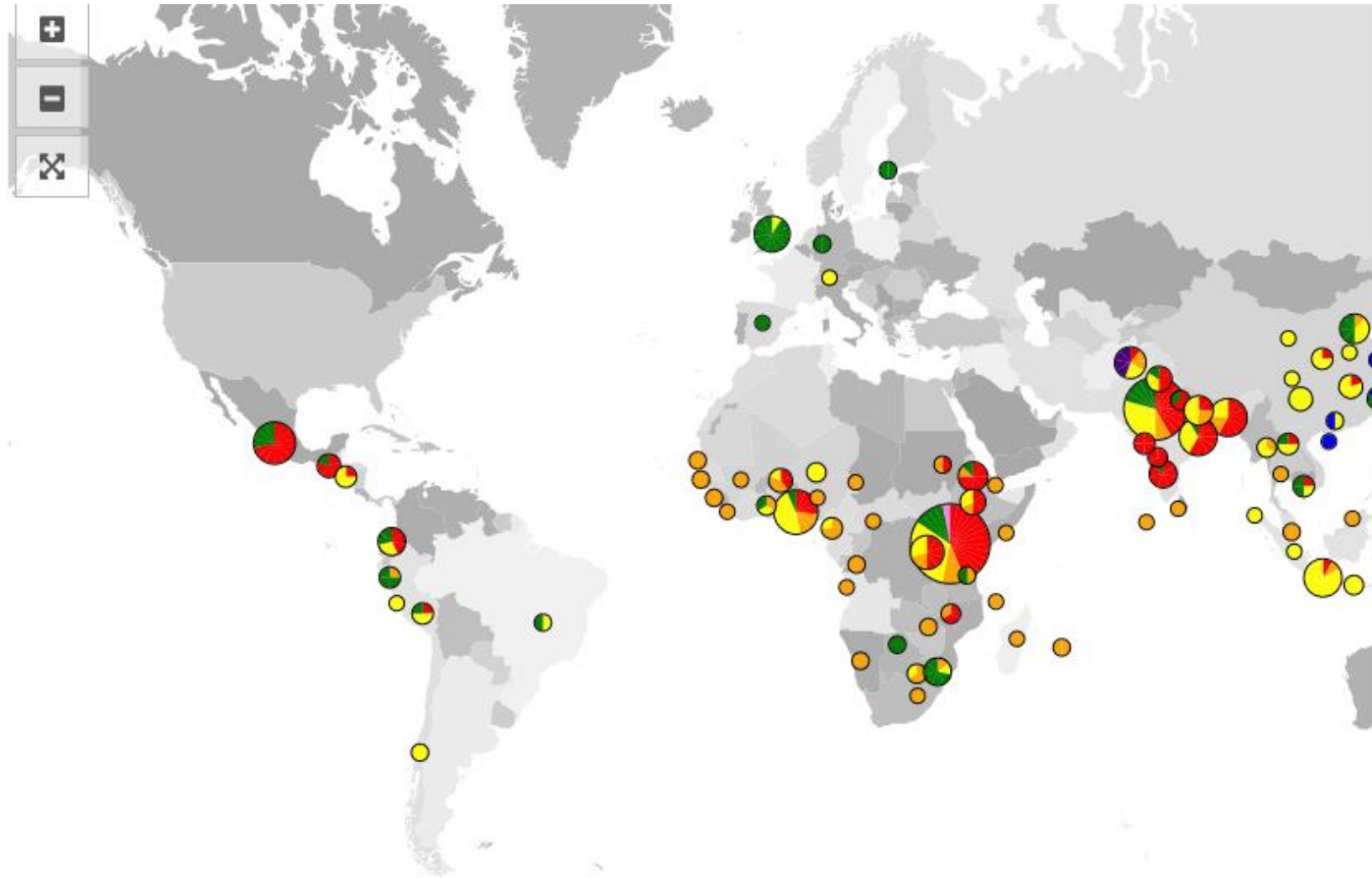
- Two consultations held with key stakeholders
  - 1) Loughborough University on 30th October 2019
  - 2) Nairobi, November 2019, part of Clean Cooking Conference



# Search and selection of studies



# Synthesis: Evidence Map



## Filter

Filter By:

Country

Country of each study

Afganistan  
Afganistan  
Australia  
Bangladesh  
Benin  
Bhutan  
Botswana  
Brazil  
Burkina Faso  
Cambodia  
Cameroon  
C...

SAVE FILTER

Showing 362 data points.

## Legend

Program Focus

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<https://energydata.info/apps>