Scoping Protocol for an Assessment of Negative Emissions Technologies

1 Identify literature

- 1. Design search query (Web of Science, Scopus)
- 2. Review and refine search query with technology experts
- 3. Download scientometric data and remove duplicates



- 1. Agree on inclusion/exclusion criteria for each technology
 - 2. Perform a sample screening of titles and abstracts
 - 3. Perform a full screening of titles and abstracts
 - 4. Identify and include any additional references
 - 5. Contact authors to request further relevant documents

Full scoping review: costs, potentials, side-effects

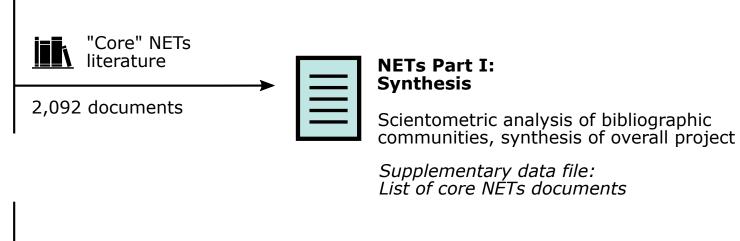
- 1. Identify and select key side-effects from review papers
- 2. Obtain access to documents
- 3. Perform a full screening of the documents, recording costs, potentials and relevant side-effects

Full scoping review: innovation & upscaling

- 1. Identify innovation stages from review papers
- 2. Establish keyword and coding rubric for each innovation stage
- 3. Perform a full screening of titles and abstracts, assigning each paper to innovation stages



6,326 documents (Web of Science, Scopus) 270 documents (added by authors)

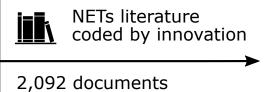




NETs Part II: Costs, potentials, side-effects

Systematic review of literature estimates by technology type

Supplementary data file: Extracted data and estimates



NETs Part III: Innovation & upscaling

Scientometric analysis & review, focus on innovation stages

Supplementary data file: List of NETs documents coded by innovation