### **APPENDICES**

Appendix 1: Table displaying the PRISMA-P 2015 Checklist

# PRISMA-P 2015 Checklist

This checklist has been adapted for use with protocol submissions to *Systematic Reviews* from Table 3 in Moher D et al: Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement. *Systematic Reviews* 2015 4:1

Section/topic	#	Checklist item	Information reported		Page	
			Yes	No	number(s)	
ADMINISTRATIVE II	ADMINISTRATIVE INFORMATION					
Title						
Identification	1a	Identify the report as a protocol of a systematic review			1	
Update	1b	If the protocol is for an update of a previous systematic review, identify as such		$\boxtimes$		
Registration	2	If registered, provide the name of the registry (e.g., PROSPERO) and registration number in the Abstract				
Authors						
Contact	3a	Provide name, institutional affiliation, and e-mail address of all protocol authors; provide physical mailing address of corresponding author			1	
Contributions	3b	Describe contributions of protocol authors and identify the guarantor of the review			10	
Amendments	4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments				
Support						
Sources	5a	Indicate sources of financial or other support for the review			10	
Sponsor	5b	Provide name for the review funder and/or sponsor			10	

Section/topic	#	Checklist item	Information reported		Page
			Yes	No	number(s)
Role of sponsor/funder	5c	Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol			10
INTRODUCTION					
Rationale	6	Describe the rationale for the review in the context of what is already known			3
Objectives	7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)			6, 7
METHODS					
Eligibility criteria	8	Specify the study characteristics (e.g., PICO, study design, setting, time frame) and report characteristics (e.g., years considered, language, publication status) to be used as criteria for eligibility for the review			7, 8
Information sources	9	Describe all intended information sources (e.g., electronic databases, contact with study authors, trial registers, or other grey literature sources) with planned dates of coverage			6
Search strategy	10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated			17, 18, 19
STUDY RECORDS					
Data management	11a	Describe the mechanism(s) that will be used to manage records and data throughout the review			8
Selection process	11b	State the process that will be used for selecting studies (e.g., two independent reviewers) through each phase of the review (i.e., screening, eligibility, and inclusion in meta-analysis)			8
Data collection process	11c	Describe planned method of extracting data from reports (e.g., piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators			8
Data items	12	List and define all variables for which data will be sought (e.g., PICO items, funding sources), any pre-planned data assumptions and simplifications			8

Section/topic	#	Checklist item	Information reported		Page
			Yes	No	number(s)
Outcomes and prioritization	13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale			8
Risk of bias in individual studies	14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis			7
DATA					
Synthesis	15a	Describe criteria under which study data will be quantitatively synthesized			
	15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data, and methods of combining data from studies, including any planned exploration of consistency (e.g., $I^2$ , Kendall's tau)			
	15c	Describe any proposed additional analyses (e.g., sensitivity or subgroup analyses, meta-regression)			
	15d	If quantitative synthesis is not appropriate, describe the type of summary planned			8
Meta-bias(es)	16	Specify any planned assessment of meta-bias(es) (e.g., publication bias across studies, selective reporting within studies)			
Confidence in cumulative evidence	17	Describe how the strength of the body of evidence will be assessed (e.g., GRADE)			

#### Appendix 2: Figure Displaying the Arksey and O'Malley (2005) Methodological Framework

### Stage 1: Identifying the research question

- · Conduction of preliminary research on climate change and health
- Defining the research question, population, intervention, comparator and outcomes of interest (PICO)

### Stage 2: Identifying relevant studies

- Development of MeSH terms, subject headings and keywords
- Through electronic databases, bibliographic citations

### Stage 3: Study selection

- Conduction of titles and abstracts screening by two independent reviewers
- Full-text reading of articles which meet eligibility criteria following titles and abstracts screening

#### Stage 4: Charting the data

- Extraction of data onto predetermined data extraction forms by two independent reviewers
- · Production of one single form following comparison of data extraction forms

### Stage 5: Collating, summarising and reporting the results

- · Presentation of results numerically and narratively
- . This stage will be an iterative process and may be reiterated and updated as the review progresses

### Stage 6: Consultation

- Consultation of public health professors and experts from Imperial College London, Oxford University, Université Grenoble Alpes, EIT Health and its education partners
- Assisting EIT-KICs in the development of a climate change and health MOOC

**Appendix 3:** Table Displaying the MEDLINE/PubMed Search Strategy

Category	MeSH	Keywords
Learning	Learning exp,	learn* OR teach* OR
	teaching exp,	educat* OR student*
	education exp,	
Climate Change	Climate exp, Climate	Climate change OR
	Change exp,	global warming OR
	Greenhouse effect	greenhouse effect* OR
	exp	weather* OR
		temperature*OR
		COP21 OR fossil fuel*
		OR greenhouse gas*
		OR emission* OR
		renewable energy OR
		Paris Agreement
Health	health exp	Disease* OR illness*

Appendix 4: Table Displaying the Embase Search Strategy

Category	MeSH	Keywords
Learning	Learning exp, teaching exp, education exp,	learn* OR teach* OR educat* OR student*
Climate Change	Climate exp, Climate Change exp, Greenhouse effect exp	Climate change OR global warming OR greenhouse effect* OR weather* OR temperature*OR COP21 OR fossil fuel* OR greenhouse gas* OR emission* OR renewable energy OR Paris Agreement
Health	health exp	Disease* OR illness*

## Appendix 5: Scopus Search Strategy

Course OR learn\* OR educat\* AND climate AND health OR medicine