

# Workshop Agenda

## Learning on climate solutions

Knowledge synthesis in the social sciences for climate change assessments

15-17 October 2018

[Elinor Ostrom Hall, MCC, Berlin](#)

This workshop intends to catalyze evidence synthesis on climate solutions for the upcoming IPCC Sixth Assessment Report (AR6). It aims to initiate a series of systematic reviews for an enhanced understanding of climate solutions, i.e. what mitigation and adaptation policies and measures work well under what institutional conditions and why. Reviews will be collected for two focus issues in [Environmental Research Letters](#).

The workshop brings together leading social scientists in mitigation and adaptation research with research synthesis experts from other fields as well as IPCC leadership and authors. We will:

- Review and discuss problems around evidence synthesis in mitigation and adaptation research;
- Review and discuss experiences with the use of systematic approaches to evidence synthesis methods for social learning and knowledge accumulation in other fields such as health sciences;
- Identify key topics in mitigation and adaptation research, where evidence synthesis efforts would be particularly important for AR6;
- Catalyze evidence synthesis projects on climate solutions and publish results in peer-reviewed journals;
- Provide training in systematic review methods and introduce helpful IT resources.

## Day 1 - October 15

### Learning on climate solution in the social sciences: state and prospects

The first day of the workshop will focus mostly on plenary discussions around the state and prospects of evidence synthesis in the social science of climate change and their importance for conducting IPCC assessments. We will assess the state-of-play on climate solutions, look at other fields like the health science where systematic review practices have become the methodological gold standard, review methodological approaches and discuss how evidence synthesis can help to advance IPCC and other global environmental assessments.

	9:00 – 10:00	Arrival and registration; coffee
<b>Session 1</b>		<b>Evidence synthesis - the state of play on climate solutions and learning from other fields</b>
	10:00-10:15	Welcome
	10:15 – 10:45	Learning on climate solutions in an age of big literature [Jan Minx]
	10:45 – 11:15	Towards a research culture in evidence synthesis: experience and lessons learned from the health sciences [Sari Kovats tbc]
	11:15 – 12:00	Discussion: The need for evidence synthesis in the social sciences
BREAK	12:00 – 13:00	Lunch
<b>Session 2</b>		<b>Methods and tools for evidence synthesis</b>
	13:00 – 13:30	Systematic reviews – a toolkit for evidence synthesis [Lea Berrang-Ford]
	13:30 - 14:00	Systematic maps – charting out the research landscape [Neal Haddaway]
	14:00 – 14:30	Computer-assisted methods for evidence synthesis [William Lamb]
	14:30 – 14:45	The Global Evidence Synthesis Initiative – Cochrane, Campbell and the Collaboration for Environmental Evidence [Tamara Lofti]
	14:45 – 15:30	Discussion: Opportunities and pitfalls of methods for evidence synthesis
	15:30 – 16:00	Coffee
BREAK		
		<b>Evidence synthesis for global environmental assessments</b>
<b>Session 3</b>	16:00 – 16:30	Learning on climate solutions: lessons from AR5 [Ottmar Edenhofer]
	16:30 – 17:00	Evidence synthesis for IPCC AR6 – Perspectives from IPCC Working Groups II and III
	17:00 – 17:30	Flanking an IPCC chapter with synthetic evidence – a CLA perspective [Felix Creutzig]
	17:30 – 18:30	Interactive: Key topics for AR6 and the state of evidence

## Day 2 - October 16

### Training – methods and tools for systematic reviews

The second day of the workshop will focus on planning systematic review projects for AR6. We will review and refine projects proposed by workshop participants and identify important other topics that do not have a lead yet. The latter will be suggested to the wider research community after the workshop in search for a champion, who moves the project forward. In contrast to the first “plenary” day, we will spend most of the second day in smaller groups for more focused discussion on groups of topics.

<b>Session 4</b>		<b>Process and taking stock of systematic review projects</b>
	9:00 – 9:45	Key topics for AR6 [Rapporteurs]
	9:45 – 10:00	ERL focus issues – the process ahead [Jason Lowe]
	10:00 – 10:30	The big picture - overview of submitted systematic review projects [Robert Biesbroeck]
BREAK	10:30 – 11:00	Coffee
<b>Parallel sessions</b>		<i>For most of the day the group will split into three groups: adaptation, mitigation and energy demand. Highly interactive format in small groups</i>
<b>Session 5 (parallel)</b>	11:00 – 13:00	Input session – projects: systematic review projects are introduced by their leads
BREAK	13:00 – 14:00	Lunch
<b>Session 6 [parallel]</b>	14:00 – 16:00	Project refinement and review protocol
BREAK	16:00 – 16:30	Coffee
<b>Session 7</b>	<b>16:30-18:00</b>	<b>Important other topics for ERL focus issue</b>

## Day 3 - October 17

### Training – methods and tools for systematic reviews

The third day will be devoted to capacity building and training in systematic review methods that will be provided in collaboration with Neal Haddaway – a member and trainer of the [Collaboration for Environmental Evidence](#). Everybody is welcome to the training, but we do not expect that everybody will participate. The training will provide a one day crash-course in systematic review methods and an introduction to helpful software packages and tools. While we cover all stages of systematic reviews, emphasis will be given to the early stages (search, screening, selection and extraction). We will discuss the need for providing additional online training on later review stages during 2019.

Module 1	9:00 – 9:30	Overview & brief introduction
Module 2	9:30 – 10:30	MCC review platform and other useful software packages for evidence synthesis
BREAK	10:30 – 11:00	Coffee
Module 3	11:00 – 12:00	Searching for evidence
Module 4	12:00 – 13:00	Screening and selection
BREAK	13:00 – 14:00	Lunch
Module 5	14:00 – 15:30	Data extraction and coding
BREAK	15:30 – 16:00	Coffee
Module 6	16:00 – 18:00	Critical appraisal and synthesis