

PEP1.5 Final Symposium

September 3 and 4, 2019

at the Potsdam Institute for Climate Impact Research

Conference room in basement of building A56, Telegrafenberg, 14473 Potsdam

Archetypes of decarbonization pathways and climate policy entry points to raise ambition

Background

The German Ministry for Research and Education funded the project PEP1.5 to produce a scientific assessment of the long-term goal to limit global temperature increase to 1.5°C in the Paris Agreement.

Over the past 3 years, the Potsdam Institute for Climate Impact Research (PIK), the Mercator Research Institute on Global Commons and Climate Change (MCC) and the NewClimate Institute conducted a thorough analysis of both long term scenarios across regions and sectors as well as short term entry points to climate policy for limiting warming to 1.5°C. The results of this analysis provided input to the Special Report on 1.5°C and will strengthen the scientific basis for the Sixth Assessment cycle of the IPCC.

While scientific assessments inform the climate policy debate on the needed action to limit global temperature increase to the Paris goals, real-world national commitments are still inadequate. To keep temperature increase to the agreed level, a step-change in climate policy at all levels is needed.

Aims

The PEP1.5 Final Symposium aims to create a forum for discussing the topic of transformation pathway archetypes as well as their appropriate policy entry points across a range of scientists from different disciplines as well as key policy stakeholders and experts.

This exchange will discuss concrete steps on how to incentivize more climate action by national governments. It will focus on opportunities for climate action at national government level, which includes how non-state actors, including business and financial organizations, help national actors to more ambitious action.

The timing of the symposium was chosen to coincide with, and provide input to the second lead-author meeting of the Sixth Assessment Report (AR6). It was also planned with a view to upcoming international negotiations, and more specifically this year's Climate Summit in New York and COP 25 in Santiago.

Agenda

Time	Titles	Co-chairs & Speakers
Day 1: Tuesday, September 3 „Archetype scenarios”		
10.00-10.45	Coffee and registration	
10.45-11.15	Welcome and introduction	Elmar Kriegler, PIK Rolf von Kuhlmann, DLR
11.15-13.00	Session 1: Towards a carbon neutral society	Gunnar Luderer, PIK Jan Minx, MCC Christoph Bertram, PIK
	Options for Carbon Dioxide Removal (CDR)	Jan Minx, MCC
	Net-zero energy systems	Gunnar Luderer, PIK
	EU net-zero pathways	Alessia de Vita, ICCS NTUA
	Deep decarbonization scenarios and their vulnerability to bottlenecks	Chris Greig, U Princeton
	Kick-off of discussion	Jessica Jewell, CHA
13.00-14:00	Lunch	
14.00-15.30	Session 2: Fossil fuel phase out	Ritu Mathur, TERI Jan Steckel, MCC Michael Jakob, MCC
	India's Opportunities for addressing carbon lock-ins: Spotlight on coal	Ritu Mathur, TERI
	A theoretical political economy framework with application to Vietnam, India, and Indonesia	Jan Steckel and Michael Jakob, MCC
	Coal politics in Colombia	Claudia Strambo, SEI
	Prospects for powering past coal	Jessica Jewell, CHA
	Kick-off of discussion	Pao-Yu Oei, TU Berlin
15.30-16.00	Coffee Break	
16.00-17.30	Session 3: Land-based mitigation options	Alexandre Köberle, ICL Alexander Popp, PIK (Roberto Schäffer, COPPE)
	Role of land-based mitigation in long-term scenarios	Detlef van Vuuren, PBL
	The role of the forestry sector	Mercedes Bustamante, UNB (remote)
	Policies and interventions	Hermann Lotze-Campen, PIK
19.00	Joint dinner at “Wiener Restaurant” in Potsdam	

Time	Titles	Co-chairs & Speakers
Day 2: Wednesday, September 4 „Policy Entry Points“		
9.00-10.30	Session 4: Integrating diverse social sciences towards quantitative modeling of demand-side solutions	Keywan Riahi, IIASA Charlie Wilson, UEA Felix Creutzig, MCC
	Values, risk perceptions, public propensity for system change	Nick Pidgeon, U Cardiff
	Behavioral economics and social norms	Dorothea Kübler, WZB
	Agent-based modeling	Leila Niamir, MCC
	Demand-led transition scenario for France & EU	Yves Marignac, negawatt
	Determinants of low-carbon transport mode adoption: Systematic review of reviews	Aneeque Javaid, MCC
10.30-11.00	Coffee Break	
11.00-12.30	Session 5: Good practice policies to strengthen ambition	Detlef van Vuuren, PBL Takeshi Kuramochi and Niklas Höhne, NewClimate (Heleen van Soest, PBL)
	Good practice policies – definition, global potential, policy learning	Mark Roelfsema, PBL
	Scenarios post 2030, good practice menu	Takeshi Kuramochi, MCC
	Insights from the RIPPLES project	Marta Torres, IDDRI
	Policies in China	Fu Sha, NCSC (remote)
	Perspectives on developing countries	Ritu Mathur, TERI
12.30-13.30	Lunch	
13.30-15.00	Session 6: Governing the climate change transformation – how to reach a new normal?	Catherine Mitchell, U Exeter Elmar Kriegler, PIK
	Varieties of Climate Governance: getting the institutions right	Navroz Dubash, CPR (remote)
	Practical aspects of science-policy interface in national climate policy planning	Christian Flachsland, MCC and Hertie
	Whole System Coordination for a Net Zero Future – dimensions and examples	Catherine Mitchell, U Exeter
	Kick-off of discussion	Alexandre Köberle, ICL
15.00-15.30	Coffee Break	
15.30-16.30	Session 7: Stakeholder session	Birgit Aru, DG Clima Lena Donat, Germanwatch Eric Fee, UBA Rolf von Kuhlmann, DLR
16.30-17.00	Conclusion and wrap-up	