

Kiel Institute Workshop on:

The Role of Public Research and Innovation Measures on Mitigating Climate Change

May 11 – 12, 2023 in Kiel, Germany

(Version 09.05.2023)

Thursday, May 11 2023

Time	Topic	Presenter	Room
8:30-9:00	Registration & Welcome coffee		Coffee area
9:00-9:10	Welcome / Insights about the project and targets of the workshop	Sonja Peterson, ifW	Lecture hall
9:10-9:30	R&I support and environmental innovations	Finn Ole Semrau, ifW	Lecture hall
9:30-10:30	1 st Keynote: <i>Driving low-carbon innovation for climate neutrality</i>	Antoine Dechezleprêtre, OECD	Lecture hall
10:30-11:00	Coffee Break		Coffee area
11:00-12:30	Paper Session 1.1: <i>Country evidence on green innovation: who's doing what?</i>	Shon Ferguson Nils Handler Lorenzo Romero-Fernandez	Conference room
	Paper Session 1.2: <i>The role of carbon pricing in promoting clean tech change</i>	Tim Becker Inge van de Bijaart Max Franks	Lecture hall
12:30-13:30	Lunch break		Coffee area
13:30-14:30	Paper Session 2.1: <i>Green transition in the financial sector</i>	Xuan Li Darius Sultani	Conference room
	Paper Session 2.2: <i>International cooperation to support green innovation</i>	Pia Andres Albert Roger	Lecture hall
14:30-15:30	2 nd Keynote: <i>TBA</i>	Carolyn Fischer, World Bank	Lecture hall
15:30-16:00	Coffee Break + Group Photo		Coffee area
16:00-17:00	Scientific Panel: <i>How can R&I support help to reduce global emissions?</i>	Carolyn Fischer Antoine Dechezleprêtre Giovanni Marin Moderation: Sonja Peterson	Lecture hall
17:00-17:10	Closing first day	Finn Ole Semrau	Lecture hall
19:00	Dinner		Lagom

Friday, May 12 2023

Time	Topic	Presenter	Room
09:00-10:30	Paper Session 3.1: <i>Innovations, patents, and the role of knowledge</i>	Isabel Hovdahl Yeong Jae Kim Lennart Stern	Lecture hall
	Paper Session 3.2: <i>Navigating industries' path to decarbonization</i>	Alienor Cameron Sebastian Renner	Conference room
10:30-11:00	Coffee break		Coffee area
11:00-12:00	3 rd Keynote: <i>Competition for skills in the sustainable (technological) transition</i>	Giovanni Marin, University of Urbino Carlo Bo	Lecture hall
12:00-13:00	<i>Policy Input, discussion and closing remarks</i>		
	TBA	Verena Hebbecker, BMBF (Unit Climate Research Policy)	Lecture hall
	<i>The role of R&I in the context of climate policy framework</i>	Thomas Heimer, Technopolis and German Council of Experts on Climate Change	Lecture hall
	Closing Discussion Session	Sonja Peterson Finn Ole Semrau	Lecture hall
13:00-Open end	Lunch and get together		Coffee area

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Session Details

Session 1.1: Country evidence on green innovation: who's doing what?

Shon Ferguson	Swedish University of Agricultural Sciences	"Who's doing clean tech innovation? Evidence from Swedish Firms"
Nils Handler	German Institute for Economic Research (DiW)	"Growing Clean? Directing Technological Change: Empirical Evidence from Germany"
Lorenzo Romero-Fernandez	University Hamburg	"Distribution of Environmental Innovation in Germany"

Session 1.2: The role of carbon pricing in promoting clean tech change

Tim Becker	University Giessen	"Regional impacts of the EU Emissions Trading System (EU ETS): Innovation and Technological Change in Environmental Technologies"
Inge van de Bijgaart	Utrecht University	"Screening green innovation through carbon pricing"
Max Franks	Potsdam Institute for Climate Impact Research (PIK)	"Pigou's Advice and Sisyphus' Warning: Carbon Pricing with Non-Permanent Carbon Dioxide Removal"

Session 2.1: Green transition in the financial Sector

Darius Sultani	Potsdam Institute for Climate Impact Research (PIK)	"Optimal de-risking strategies for breakthrough technologies: Risk allocation in the transformation of the basic materials industry"
Xuan Li	Norwegian School of Economics (NHH)	Shareholder activism and the green transition

Session 2.2: International cooperation to support green innovation

Pia Andres	London School of Economics (LSE)	"Industrial Policy and Global Public Goods Provision: Rethinking the Environmental Trade Agreement"
Albert Roger	Max Plank Institute for Innovation and Competition	"International Environmental Agreements, and the Timing and Direction of Technological Change: Evidence from the Kigali Amendment"



Session 3.1: Innovations, patents, and the role of knowledge

Isabel Hovdahl	Norwegian School of Economics (NHH)	“Patent Protection and the Transition to Clean Technology”
Yeong Jae Kim	KDI School of Public Policy and Management	“International and intertemporal knowledge spillovers in carbon-free and carbon-efficient technologies”
Lennart Stern	Potsdam Institute for Climate Impact Research (PIK)	“Rewarding countries for public spending on clean energy research: Optimal mechanisms under exogenous budgets”

Session 3.2: Navigating industries' path to decarbonization

Alienor Cameron	Université PSL	“Decarbonizing the EU’s heavy industry: insights from a technological frontier approach”
Sebastian Renner	University Hamburg	“Fuel Prices, Generators, and the Performance of Manufacturing Firms: Evidence from Indonesia”