

22nd Annual IEA-IETA-EPRI Workshop on Greenhouse Gas Emissions Trading

October 4-6, 2022

IEA, 9 rue de la Fédération, Paris

- By invitation only -

Session 1: Tuesday 4 October from 2:00pm to 7:00pm CEST

Welcoming networking coffee 2:00pm (*in-person participation only*)

Welcoming remarks and introduction 3:00pm

Sara Moarif, Acting Head of the Energy and Environment Division, IEA

Keynote Speech 3:05-3:15pm

Tim Gould, Chief Economist, IEA

Scene-setting presentation 3:15-3:30pm

Stefano de Clara, Head of Secretariat, International Carbon Action Partnership

Panel 1: Carbon pricing in the context of the energy crisis 3:30-5pm

This panel aims to discuss current high energy prices, their impact on climate policy ambition and drivers of carbon pricing. The panel will also be invited to discuss options to manage impacts on consumers and covered sectors.

Facilitator: Jos Delbeke, EIB Climate Chair at European University Institute

Speakers:

- Prof. Xiliang Zhang, Director 3E Institute, Tsinghua University (*virtual*)
 - Haege Fjellheim, Director Carbon Research, Refinitiv
 - David Hone, Chief Climate Change Adviser, Shell
 - Mark Lewis, Head of Climate Research, Andurand Capital Management
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Coffee Break 5:00-5:15pm

Panel 2: International competitiveness and Carbon Border Adjustment Mechanism (CBAM) 5:15-6:45pm

This panel will discuss what impacts the multispeed nature of today's energy transitions can have on international competitiveness, including how to avoid the creation of new dividing lines on energy and climate. The panel will be also invited to discuss options to make the EU's CBAM proposal a success, both at the EU and at the international level.

Facilitator: Julia Michalak, IETA

Speakers:

- Andrei Marcu, Founder & Executive Director, ERCST
- Eswaran Somanathan, Professor in the Economics and Planning Unit, Indian Statistical Institute (*virtual*)
- Liv Rathe, Director, Norsk Hydro
- David Sawyer, Principal Economist, Canadian Climate Institute

Wrap up 6:45-6:50pm

Sara Moarif, Acting Head of the Energy and Environment Division, IEA

Reception - (7:00-8:30pm) sponsored by ClearBlue Markets and Shell:



Session 2: Wednesday 5 October from 9:00am to 12:30pm CEST

Welcoming remarks 9:00am

Dirk Forrister, IETA President and CEO

Panel 3: ETS extension to other sectors 09:05-10:35am

This panel will discuss views on whether carbon pricing is the appropriate climate policy tool in every sector to achieve decarbonisation at scale and speed. The panel will be invited to discuss opportunities and challenges related to the extension of carbon pricing to different sectors. Panelists will also discuss the question of how social and competitiveness impacts can be avoided or mitigated while increasing political acceptability for sectoral extension.

Facilitator: David Fischer, Project Coordinator and Climate Policy Analyst, IEA

Speakers:

- Beatriz Yordi, Director Carbon Markets and Clean Mobility, DG Clima, European Commission (*virtual*)
- Prof. Xiliang Zhang, Director 3E Institute, Tsinghua University (*virtual*)
- Qinglin Meng, Chairman and CEO, Sinoma Energy Conservation Ltd. (*virtual*)
- Thomas Fabian, Director Commercial Vehicles, European Automobile Manufacturers' Association

Coffee break 10:35-10:50am

Panel 4: What role could international carbon markets play to accelerate Direct Air Capture and Storage (DACs) deployment? 10:50am-12:20pm

This panel will discuss the current challenges and opportunities that governments, private companies and developers face in scaling up DACs. It will explore how these stakeholders can best engage in voluntary cooperation through Article 6 of the Paris Agreement and the voluntary carbon markets to accelerate DACs deployment, compared to what was achieved to date.

Facilitator:

- Luca Lo Re, International Climate Policy Analyst, IEA

Speakers:

- Noah Deich, Deputy Assistant Secretary for the Office of Carbon Management, US DOE
- Axel Michaelowa, Senior Founding Partner, Perspectives Climate Change
- Helen Bray, European Policy Director, Carbon Engineering
- Eve Tamme, Founder and Managing Director, Climate Principles and Member of the Board of Directors of Puro.earth

Wrap up 12:20-12:30pm

Dirk Forrister, IETA President and CEO

Lunch 12:30-2:00pm

Session 3: Wednesday 5 October between 2:00 and 5:30pm CEST

Welcoming remarks 2:00-2:05pm

Adam Diamant, Technical Executive, Energy Systems and Climate Analysis, EPRI

Panel 5: Digital technologies and carbon markets 2:05-3:35pm

Digital innovations can improve the performance of carbon markets, but some of their applications have raised concerns about environmental integrity. This panel will discuss how digital technologies can improve carbon markets, including exploring the latest developments of new approaches to monitoring, reporting and verification (MRV) systems, smart contracts, data repositories and meta-registries, distributed ledger technologies for registries, and carbon tokens.

Facilitator: Lisa DeMarco, Senior Partner and CEO of Resilient LLP (*virtual*)

Speakers:

- Chandra Shekhar Sinha, Advisor, Climate Change Group, World Bank
 - Samuel Gill, Co-founder and Chief Operating Officer, Sylvera
 - Jessica Bede, Director of Registry Operations, American Carbon Registry
 - Andrew Howard, Senior Director, Climate Policy and Strategy, Verra
 - Jacopo Visetti, Co-founder, Aither
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Coffee break 3:35-3:50pm



Panel 6: Near-zero technologies and certification 3:50-5:20pm

This panel will discuss what emerging technology markets would need to be supported as part of near or net zero transitions. Panelists will explore what barriers and opportunities in regulatory frameworks are there for emerging technologies, such as bioenergy or hydrogen, and what uncertainties remain about the role of these technologies and how this affects near-term investment.

Facilitator: Adam Diamant, Technical Executive, Energy Systems and Climate Analysis, EPRI

Speakers:

- Tiffany Vass, Industry Energy Analyst, International Energy Agency
- Matthew Botill, Division Chief, California Air Resources Board
- Ian Kuwahara, Director of Energy and Industrial Innovation, Verra (*virtual*)
- Julie Mulkerin Ortiz, Lead, Strategic Energy Transition Initiatives, Chevron
- Marco Magini, Executive Director Projects & Portfolio Management, South Pole

Wrap up 5:20-5:30pm

Adam Diamant, Technical Executive, Energy Systems and Climate Analysis, EPRI

Thursday 6 October between 9:00am and 12:30pm CEST

Welcoming remarks 9:00-9:05am

Luca Lo Re, International Climate Policy Analyst, IEA

Panel 7: Experience with and opportunities for carbon markets in Africa

9:05-10:35am

This panel will provide an overview of the current status of international carbon markets in African countries, and discuss opportunities to engage through Article 6 voluntary cooperation. As analysed in IEA's Africa Energy Outlook 2022, the implementation of Article 6 could deliver financial flows that exceed 20% of the investment needed in clean energy in Africa by 2030, while mitigating 22-24% of Africa's total energy-related CO₂ emissions over the period. Panelists will be invited to discuss common challenges and opportunities for Article 6 participation for African countries.

Facilitator: Massamba Thioye, Project Executive UNFCCC Global Innovation Hub, UNFCCC Secretariat (*virtual*)

Speakers:

- Ousmane Sarr, Coordinator of the West Africa Alliance on Carbon Markets and Climate Finance
- Bianca Gichangi, Coordinator of the Eastern Africa Alliance on Carbon Markets and Climate Finance (*virtual*)
- Abdelrhani Boucham, Head of Department and Administrator of Climate Change in the Ministry of Energy Transition and Sustainable Development of Morocco
- Reham Rizk, Head of Social Planning and Development Unit, Ministry of Economic Development and Planning of Egypt (*virtual*)

Coffee break (10:35-10:50 CEST)

Panel 8: The evolution of Voluntary Carbon Markets in the wake of the Article 6 rulebook 10:50am-12:20pm

This session will discuss how the voluntary carbon markets and Article 6 of the Paris Agreement will interplay after the agreement on the Article 6 rulebook at COP26. Panelists will be invited to discuss early examples of this interplay and to highlight the challenges and opportunities associated with it.

Facilitator: Andrea Bonzanni, International Policy Director, IETA

Speakers:

- Kelley Kizzier, Fellow, Bezos Earth Fund (*virtual*)
- Pedro Martins Barata, Acting Senior Director, EU Climate, Environmental Defense Fund
- Jeffrey Delmon, Senior Infrastructure Finance Specialist, World Bank
- Cyril Cassisa, Principal Carbon Analyst, BHP
- Alexia Kelly, Director of Net Zero+Nature, Netflix

Wrap up 12:20-12:30pm

Sara Moarif, Acting Head of the Energy and Environment Division, IEA

Dirk Forrister, IETA President and CEO

Adam Diamant, Technical Executive, Energy Systems and Climate Analysis, EPRI

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