



Agriculture's Future, Delivering Net Zero Emissions - Trade, Consumption, Smallholders, Value chains

Katowice climate change conference (COP 24) – EU Pavilion, Room Vienna, 10:30 to 14:30 on Friday 7 December

This session will explore the role of agriculture in reaching net-zero emissions globally. It will debate the key levers for a low carbon, resilient farming sector & barriers to change including presentations on both supply & demand side measures.

The session brings together experts across the field of agriculture and climate action to discuss the opportunities and pathways to deliver transformational change in agriculture and land management. The aim is to deliver a wide-ranging discussion on the role of agriculture in helping restrict global warming to 1.5 degrees.

Discussions and presentations will be focused around the following questions:

- *What tools and policy developments are needed to promote change & maximize opportunities for climate action in the agricultural sector?*
- *What is the role of trade in delivering climate mitigation and adaptation in land-using sectors?*
- *How can biomass value chains be made more resource efficient & make best use of sustainable, renewable energy?*
- *What is the role of policy and regulatory measures focused on diet and behavior?*
- *How can we engage the world's farmers (including the 1.5 billion smallholders) in efforts to upscale climate action?*
- *How can synergies between climate and development pathways be maximized?*

Given the importance of both supply and demand side change in the agricultural sector to secure climate mitigation, the session will be broken into two intertwined debates followed by space to discuss the action points and policy needs that emerge.

1. **Supply side action, value chain evolution and the role of smallholders in upscaling change** - approx. 10:30 to 12:30 CET
2. **Demand management, the role of trade, consumption and the wider evolution of the bio-based economy** - approx. 12.45 to 14.00 CET
3. **Action points and policy needs – to deliver net zero agriculture** – approx. 14.00 to 14.30 CET

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Session Outline

Time	Content	Speaker
10.30	Welcome and problem definition – Agriculture and the land using sectors in the context of climate action	Dr Ben Allen, IEEP, Head of Agriculture and Land Management Programme
10.40	Introducing the concept Net Zero Agriculture – looking at delivery needs	Anna Lorant, IEEP, Policy Analyst
1 - Supply side action, value chain evolution and the role of smallholders in upscaling change - Chair – Xiaoting Hou Jones, IIED; Rapporteur – Catherine Bowyer, IEEP		
11.00 – 11.45	Energising agriculture value chains for sustainable business in remote areas – considering the role of renewable energy and key enabling factors along the value chain	Dean Cooper, Market Development Manager: Energy for Development, SNV
	Changing the drivers – bring farmers onboard to manage climate change, understanding the role of small holders	Tiina Huvio, FFD, Chair of the steering committee of the Forest and Farm Facility of FAO, representing the AgriCord Alliance
	Farmer organizations – getting everyone onboard, leaving no one behind	Majola Mabuza, SACAU representative of the Pan-African Farmer Organization
	Forestry and farming – the complementing pillars of farm reality – smallholder production goes beyond pure agricultural commodities	Lennart Ackzell, International Family Forest Association
11.45	Panel and Audience Discussion Session including input from DEVCO - How can biomass value chains be made more resource efficient & make best use of sustainable, renewable energy? - How can we engage the world's farmers (including the 1.5 billion smallholders) in climate action? - How can synergies between climate and development pathways be maximized?	
12.30	15 minute break – interactive audience input - Circulation time, opportunity to discuss the outcomes of the first session with speakers and chair, reflect on how to balance this with demand side needs.	
2. Demand management, the role of trade, consumption and the wider evolution of the bio-based economy - Chair – Dr Ben Allen, IEEP; Rapporteur – Jessica Sinclair Taylor, Feedback		
12.45 – 13.30	International trade, its role in reducing the carbon footprint of food and agriculture – considering trades potential contribution and policies that could strengthen this.	David Blandford, Professor Emeritus of Agricultural and Environmental Economics, Pennsylvania State University
	Precisely measuring climate risks for agriculture - understanding the zero carbon consumer of the future	Franz Pretenthaler, Director of Joanneum Research
	The food we eat and the food we don't – regulatory and policy routes to changing diets and behavior - addressing demand and its potential contribution to reaching net zero targets	Carina Millstone, Feedback, Executive Director
	The future bioeconomy – delivering climate sensitive and sustainable alternatives to meet the needs of society	Catherine Bowyer, IEEP, Senior Policy Analyst

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Land using sectors have a multidimensional role in the delivery of climate action. Agriculture needs to reduce its own emissions but is also being called upon to provide biomass for the replacement of carbon-intensive materials and carbon removals via sequestration and storage in soils and biomass.

Increasing pressure is being placed on the agriculture sector to deliver transformational change. The question remains, how can the diverse demands being placed on agriculture be delivered to achieve net zero emissions and broader sustainable development goals?

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13.30	<p>Panel and Audience Discussion Session including input from DEVCO</p> <ul style="list-style-type: none"> - What is the role of trade in delivering climate mitigation and adaptation in land-using sectors? - What is the role of demand side measures focused on diet and behavior? - How can synergies between climate and development pathways be maximized?
<p>3 - Action points and policy needs – to deliver net zero agriculture</p> <ul style="list-style-type: none"> - Chair – Carina Millstone, Feedback; Rapportuer – Anna Lorant, IEEP 	
14.00	<p>Discussion – bringing in thoughts from all speakers and the audience</p> <ul style="list-style-type: none"> • What tools and policy developments are needed to promote change & maximize opportunities for climate action in the agricultural sector?
14.25	<p>Thank you, concluding remarks and reflections, next steps – Dr Ben Allen, IEEP</p>

Next Steps

The key points emerging from the discussions will be summarised in a short paper in the week of the 10th December. If you wish to receive the summary paper, please email cbowyer@ieep.eu

This session represented a collaborative effort across multiple partners and organisations. We would like to thank them all for their engagement and hope to continue to build on the session to provide a more coherent and positive message supporting action in the agricultural sector.

Agriculture's Future, Delivering Net Zero Emissions - Supporting Publications

Agriculture and its role in meeting the EU's climate commitments, IEEP, 2017 - <https://ieep.eu/news/agriculture-and-its-role-in-meeting-the-eu-s-climate-commitments>

Forest and Farm Producer Organizations – Operating Systems for the SDGs, FAO 2016. - <http://www.fao.org/3/a-i5765e.pdf>

30x30 Actions for a Sustainable Europe #Think2030 Action Plan, IEEP, 2018 - <https://ieep.eu/publications/30x30-actions-for-a-sustainable-europe-think2030-action-plan>

Promoting a circular, sustainable bioeconomy – delivering the bioeconomy society needs, IEEP 2018 - <https://ieep.eu/news/promoting-a-circular-sustainable-bioeconomy-delivering-the-bioeconomy-society-needs>

Joining the dots - soil health, agriculture and climate, IEEP, 2017 - <https://ieep.eu/publications/isqa-per-joining-the-dots-soil-health-agriculture-and-climate>

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