

DIRECTORATE FOR SCIENCE, TECHNOLOGY AND INNOVATION
COMMITTEE FOR SCIENTIFIC AND TECHNOLOGICAL POLICY

Carbon management policies; global practices in sustainability indicators and assessment

Working Party on Biotechnology, Nanotechnology and Converging Technologies

Webinars:

General policy aspects:

Thursday 15th October, 15:00-18:30 CET (Paris time)

Sustainability in value chains:

Thursday 22nd October, 15:00-19:00 CET (Paris time)

Contact: Science and Technology Policy Division (STP),

Rationale of the Workshop

Technology underpins economic growth and development of a more resource efficient and sustainable society. Moreover, technology is essential to analyse and monitor the progress towards these objectives. This autumn, The Bio-, Nano- and Converging Technologies (BNCT) Working Party of the OECD will organise a series of webinars to continue its longstanding work on technology-driven societal transitions such as the emerging bioeconomy.

The growing number of national bioeconomy strategies and related policy measures among OECD countries shows an increasing commitment to the green transition, i.e. replacing fossil carbon with renewable resources. While the fundamental justification of public intervention is improved sustainability, there is a need to agree on informative and practical indicators as a basis for policy development.

However, even with the strongest intention to foster greater future sustainability and resilience, it is entirely foreseeable that the increasing use of biomass for food, materials, and chemicals, could lead to over-exploitation of natural resources. Limited resources could then lead to competition for land between bioenergy (climate action) and food crops (food security) or between such bio-based production and the preservation of biodiversity and natural ecosystems.

Hence, a particularly important topic for bioeconomy policy development is a systemic approach and a broad international discussion of the relative weight and priority given to different sustainability goals in situations where these goals are in conflict.

The two webinars that constitute this workshop comprise:

- Webinar 1: General policy aspects.
- Webinar 2: Sustainability in value chains.

A further purpose of these workshops is to prepare and inform a more in-depth analysis of policy issues around the bioeconomy during the next two-year Programme of Work and Budget of the BNCT.

AGENDA, Webinar 1, Thursday 15 October 2020

Registration in Zoom

14h30-15h00 (Paris time)

Webinar 1: General policy aspects

15h00 – 15h05

David Winickoff, BNCT Working Party, OECD: *Welcome and introduction by OECD secretariat*

15h05– 15h10

Michael Carus, CEO, Nova Institute, Germany: *Introduction by the moderator*

Transnational policy work

15h10 – 15h30

Jim Philp, Policy Analyst, BNCT Working Party, OECD:

OECD's work in sustainability assessment policies and reporting on the 2013 recommendations survey.

15h30 – 15h45

TBD, European Commission

EU Commission PEF Guide/Green Deal policies

15h45 – 16h00

Anne Bogdanski, Natural Resources Officer and Project Coordinator Bioeconomy, UNFAO, Climate Change Division, Office for Climate, Biodiversity and Environment (OCB)

Guiding countries in the development of sustainable and circular bioeconomy strategies and programmes.

National policy examples

16h00 – 16h15

Katherine Lewis, Senior Analysts, US Department of Agriculture (USDA), United States

The USDA BioPreferred Program

16h15 – 16h30

Masakazu Toyoda, CEO, The Institute of Energy Economics, Japan

Bioeconomy and a balanced energy mix in Japan.

Break: 16h30 – 16h45

Comments from industry

16h45 – 17h00

Neil Parry, R&D Programme Director Biotechnology and Biosourcing, Unilever, United Kingdom

17h00-17h15

TBD, Mitsubishi Chemical, Japan

17h15-17h30

Jennifer Holmgren, CEO, Lanzatech, United States

Moderated panel discussion

17h30-18:30

All speakers and questions from audience

AGENDA, Webinar 2, Thursday 22 October 2020**Registration in Zoom**

14h30-15h00 (Paris time)

Webinar 2: Sustainability in value chains

15h00-15h05

David Winickoff, BNCT Working Party, OECD: *Welcome and introduction by OECD secretariat*

15h05-15h10

Adrian Higson, Company Director, NNFCC Ltd, UK: *Introduction by the moderator*

Sustainability assessment and indicators

15h10-15h25

Francesco Cherubini, Professor, NTNU, Norway

Sustainable biofuels and bioproducts in a defossilized economy.

15h25-15h40

Martin Junginger, Professor, Univ. Utrecht, The Netherlands

Sustainability indicators usage and trade-offs in bio-based value chains.

15h40-15h55

Jack Saddler, Professor, University of British Columbia, Canada

Value chains for sustainable aviation fuel

Introduction to value chain cases

15h55-16h25

Bill Goldner, Senior Advisor Renewable Energy, Natural Resources, and Environment at USDA Office of the Chief Scientist, USA

Nate Brown, Alternative Jet Fuel Project Manager, Office of Environment & Energy, Federal Aviation Administration, USA

Topic: Sustainability of aviation fuel supply chains.

16h25-16h40

Constance Ißbrücker, Head of Environmental Affairs, European Bioplastics, Germany.

Topic: Sustainability of plastics supply chains.

16h40-16h55

Sepideh Jafarzadeh, Research Scientist, SINTEF Ocean, Norway

Topic: Sustainability of fish feed supply chains.

Break: 16h55-17h10

Comments from industry

17h10-17h25

Minna Aila, SVP Sustainability, Public Affairs, Communications and Brand, Neste, Finland

Aviation fuel; sustainability assessment and SDG trade-offs in alternative supply chains.

17h25-17h40

Catia Bastioli, CEO, Novamont, Italy

Bioplastic in the circular bioeconomy perspective.

17h40-17h55

Viggo Halseth, Chief Innovation Officer, Nutreco, The Netherlands/Norway

Protein; sustainability assessment and SDG trade-offs in alternative supply chains.

Moderated panel discussion

17h55-19h00

All speakers and questions from audience