Global Bioeconomy Summits and International Bioeconomy Forum

IEA Bioenergy workshop
Governing sustainability in biomass supply chains for the bioeconomy

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EC Joint Research Centre, Directorate for Sustainable Resources
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Global Bioeconomy Summits

Initiated by the German Bioeconomy Council to create an evolving multi-stakeholder platform aimed at addressing the policy issues related to global bioeconomy development. Since 2015, global exchange on bioeconomy policy, governance and sustainable development.

Measures to promote the development of sustainable bioeconomy across the globe are proposed by the International Advisory Council (IAC) of GBS. Next GBS in Autumn 2020, Berlin.
Exploring options for the design and establishment of an international mechanism for knowledge exchange and coordination on global bioeconomy.
Launched by EU Commissioner Moedas in 2016, to guide international cooperation on specific R&I priorities crucial for the development of a global, sustainable bioeconomy

**Objectives**
- Align research funding programmes
- Identify emerging needs and future research trends
- Raise international awareness of the central role of bioeconomy to reach global policy targets (SDGs; COP21)
- Knowledge exchange
- Develop policy dialogue

**Members**
- EU Commission, Canada, New Zealand, USA, Argentina, China, India, South Africa

**Observers/contributors**
- Australia, South Korea, BIOEAST Initiative, FAO, Standing Committee on Agricultural Research delegate, Inter-American Institute for Cooperation on Agriculture, EFI, FACCE, HDHL etc.
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<th>Microbiomes</th>
<th><strong>ICT in Precision Food Systems</strong></th>
<th><strong>Plant Health</strong></th>
<th><strong>Forest Bioeconomy</strong></th>
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<td>Focus on <strong>food system</strong> microbiome:</td>
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<td>- understand complexity and benefits of microbiome in food systems</td>
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<td>- Explore microbiome potential across the whole food supply chain</td>
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<td>- Link different research communities (plant, environmental, animal, marine, human etc.)</td>
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<td>- Development and implementation of smart, digitally-driven science and technology, targeted at <strong>food production</strong></td>
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<td>- Identify barriers/gaps in technology development</td>
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<td>- Engage with non-food systems (e.g. forestry) already advanced in technology (remote sensing...)</td>
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<td>- Coordinate, share information and increase our capacity to respond to plant health threats in a changing environment</td>
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<td>- Focus on biovigilance, plant security, tools and best practices (e.g. rapid detection systems,...), research in plant biotic interactions, data and information exchange etc.</td>
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<td>- Facilitate the development of a global, sustainable forest bioeconomy</td>
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<td><strong>Three focus areas:</strong></td>
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<td>- Communication strategies;</td>
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<td>- Data and monitoring (JRC leading);</td>
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<td>- Identifying and addressing bottlenecks (including natural resources, environment, trade and market etc.) and risks</td>
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IBF Meetings

- 1st Plenary meeting: 28-29 November 2017, Brussels
- Working groups meeting 27-30 November 2018, Ottawa
- 2nd Plenary meeting: 27-28 May 2019, Vancouver
EU Bioeconomy policy context

1. Strengthen and scale-up the bio-based sectors, unlock investments and markets

2. Deploy local bioeconomies rapidly across Europe

3. Understand the ecological boundaries of the bioeconomy
   - Enhance knowledge on bioeconomy
   - Monitor progress towards a sustainable bioeconomy
   - Promote good practices to operate the bioeconomy within safe ecological limits
   - Enhance the benefits of biodiversity in primary production

EU Bioeconomy Strategy

Knowledge Centre for Bioeconomy
Building a bioeconomy monitoring system for the EU: tracking economic, environmental and social progress towards a sustainable EU bioeconomy

Action of the EU strategy led by JRC

Workshops
- Setting the scene (Nov 2018)
- First discussion on indicators (June 2019)
- …more to come

Questionnaire on stakeholders expectations launched