

Highlights of the Conference

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EUBCE

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Conference & Exhibition

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Sustainable Bioenergy for the Global Clean Energy Transition

The Need for Consensus, Innovation and International Collaboration

Global commitment toward decarbonisation

- a great momentum for renewable energy expansion
- all sectors need to contribute

Sustainability remain a main concern

- multiple benefits often overlooked in discussions
- reinforced sustainability criteria for biomass use in the EU

Bioenergy and biofuels are indispensable

- infrastructure is not there - recharging infrastructure, impacts on electricity grids underestimated
- ICE will play a large role in the global transportation sector

A variety of resources are needed

- waste and residues are the first choice
- waste and residues are limited, dedicated energy crops are needed
- intensification of sustainable biomass production

We need consensus on sustainability



4. Sustainability Impacts and Policies

Socioeconomic impacts

- social impacts, behavioral analysis and change management and socio-cultural conditions
- socio-economic impacts and public perception to better understand social acceptance of biomass use for bioenergy and products

Environmental impacts

- environmental impacts of biomass production on ecosystem services, water availability
- Life Cycle environmental impacts of bio-based materials
- LCA of bioenergy and bio-based products from agri and marginal land, addressing environmental impacts on biodiversity and water

Climate impacts and GHG performance

- potential, feasibility and challenges for different climate mitigation strategies with bioenergy and carbon capture
- opportunities and challenges for BECCS systems supporting net-zero emission targets
- attributional Land use and land use change approach

Resource efficient and circular economy

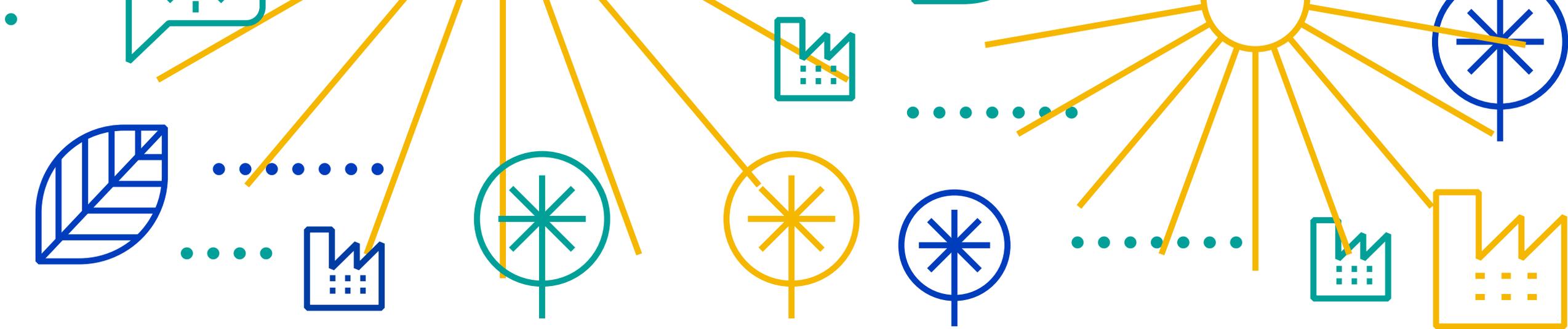
- possible development paths towards a resource-efficient and carbon neutral economy
- assessment framework for the cascading and circular use of biomass in bioeconomy
- integrating biochar into value chains in sugarcane biorefineries and carbon sequestration in soil



Key messages

- **low carbon and sustainable economy: a new industrial revolution**
- **bioenergy and biofuels: a crucial role in the green energy transition**
- **sustainability is key**





Thank you

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PLEASE REMEMBER THAT

**EUBCE will continue after the “CLOSING” SESSION
with Workshop and Panel Discussion:
Expert Opinions on the ReFuel EU Aviation Initiative**

