



**ETIP** *Bioenergy*  
European Technology and Innovation Platform

# 9<sup>th</sup> Stakeholder Plenary Meeting

20 November 2019, Brussels

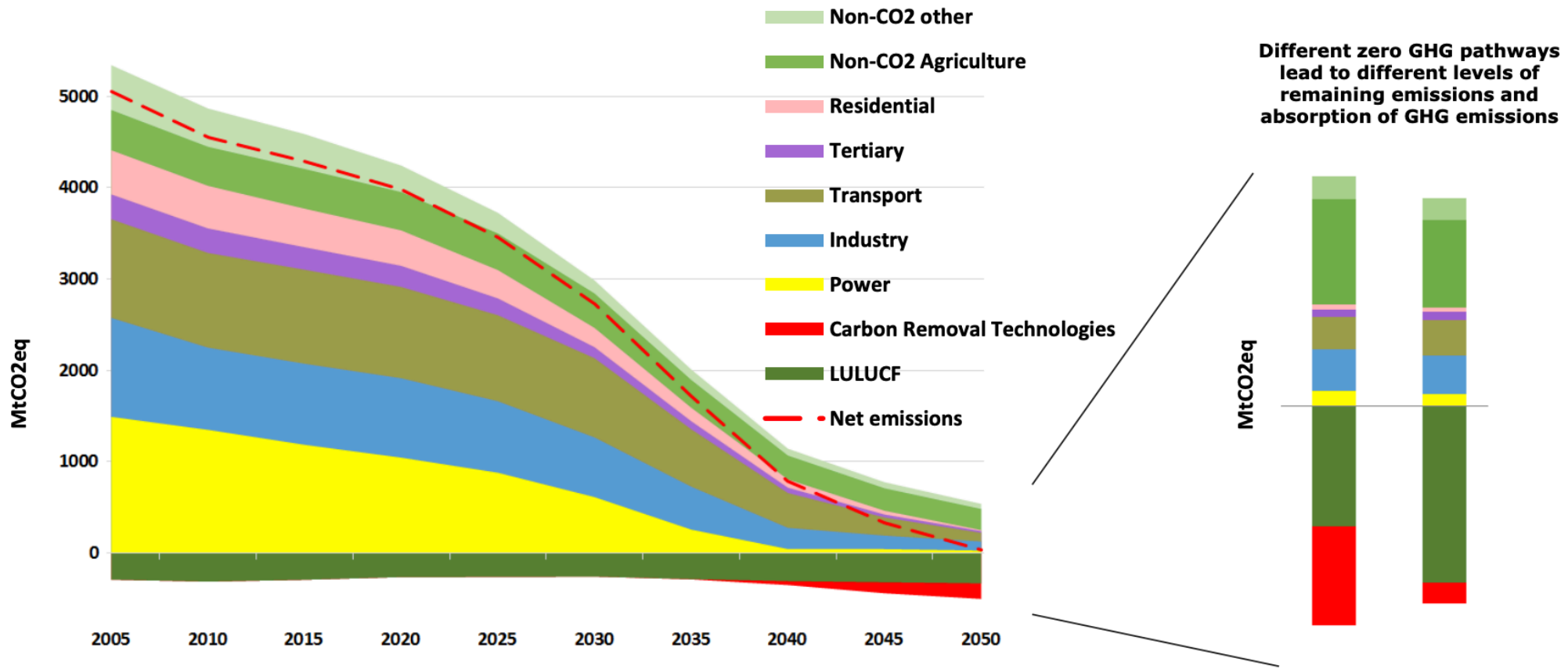
Patrik Klintbom, RISE

Chair ETIP Bioenergy Steering Committee





# The challenge ahead – a clean planet for all!





## European bioenergy deployment is needed

- No significant reduction of energy consumption or GHG emissions in the European transport sector for the past 15 years;
- Market development in contrast to ambitious climate and energy targets on EU and international level;
- Bioenergy is the only option reducing GHG emissions in the transport sector immediately – as low level blends and drop in fuels can be used in the whole vehicle fleet;



## Social impacts of bioenergy deployment

- Marginal and abandoned land and rural depopulation are major issues in several EU countries;
- Sustainable biomass supply for advanced biofuels can offer a win-win opportunity to maintain European farming capacities and jobs;
- Several options to increase local productivity without harming food production or biodiversity;



## Outlook

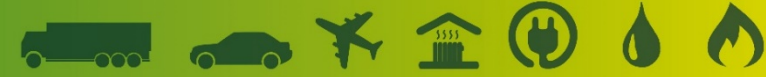
- European biofuel deployment is critical for reaching EU and international climate and energy targets
- Stable and supportive political framework and R&I activities required
- Key issues to optimise environmental impact and social benefit:
  - Stable and supportive framework for all applications
  - Broaden and mobilise sustainable biomass feedstock supply (→ 3 dimensions of sustainability: environmental, social, economic)
  - Flexible, efficient conversion technologies and biofuel qualities according to market needs
- ETIP Bioenergy is prepared to contribute!



## How to participate in ETIP Bioenergy

Increase cooperation and join forces in research, innovation, scaling up and demonstration!

- Become a member of the Stakeholder Plenary
- By signing up to the newsletter, e-mail shots, stakeholder plenary meeting
- Participation in the ETIP Bioenergy is free of charge!
- By active participation in the Working Groups
  - ... input to position papers,
  - ... input to other publications directed to EC
  - ... WG breakout sessions at the SPM9



# How to participate in ETIP Bioenergy

## WG Breakout sessions

16:00 – 17:30

<p><b>Working Group 1 – Biomass Feedstocks</b></p> <ul style="list-style-type: none"> <li>- Opportunities and challenges for broadening biomass feedstock in Europe</li> <li>- Recommendations for R&amp;I actions</li> <li>- Biomass supply and cost supply assessment</li> </ul>	<p><b>Calliope Panoutsou, Imperial College London</b></p>
<p><b>Working Group 2 – Conversion</b></p> <ul style="list-style-type: none"> <li>- News and developments on priority value chain projects</li> <li>- Examine the changes regarding the ETIP Bioenergy value chains and their background</li> <li>- Development pathways and innovative technologies</li> </ul>	<p><b>Lars Waldheim, Waldheim Consulting &amp; Francisco Girio, National Laboratory of Energy and Geology</b></p>
<p><b>Working Group 3 – End use</b></p> <ul style="list-style-type: none"> <li>- Competition of renewable fuels with non ICE-based transport alternatives</li> <li>- Competition for renewable fuels between road, air and maritime transport</li> <li>- What can R&amp;I do to bring solutions to the market?</li> </ul>	<p><b>Philippe Marchand, Biofuels expert &amp; Dorothee Lahaussais, Toyota Motor Europe</b></p>
<p><b>Working Group 4 – Policy and Sustainability</b></p> <ul style="list-style-type: none"> <li>- Is the REDII sufficient to achieve sustainable biomass supply in the EU?</li> <li>- How to ensure that REDII requirements will be understood and met by non-EU partners?</li> <li>- Does REDII serve as a sound basis for governing the sustainability of the broader bio economy, and if not, determining what else is needed?</li> </ul>	<p><b>Uwe Fritsche, International Institute for Sustainability Analysis and Strategy (IINAS)</b></p>



## Project Partners



[www.etipbioenergy.eu](http://www.etipbioenergy.eu)



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