



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

# **SRIA of the European industrial stakeholders**

**Lisbon, 29<sup>th</sup> May 2019**

## **Paving the way towards clean energy and fuels in Europe**

Talks with research, industry and EU Member States on bioenergy, advanced biofuels and renewable fuels

**Patrik Klintbom, RISE and Chair SC  
ETIP Bioenergy**





## Outline

1. **The European Technology and Innovation Platform**
2. SRIA Update 2018
3. How to get involved



## ETIP Bioenergy has the role...

- to bring together relevant actors from academia, industry and civil society engaged in the development of sustainable bioenergy and competitive biofuel technologies
- to represent the unbiased, united, and consolidated view of the biofuels and bioenergy industry in Europe
- to act as the main interlocutor for DG RTD to implement the Strategic Energy Technology (SET) - Plan in the field of biofuels and bioenergy

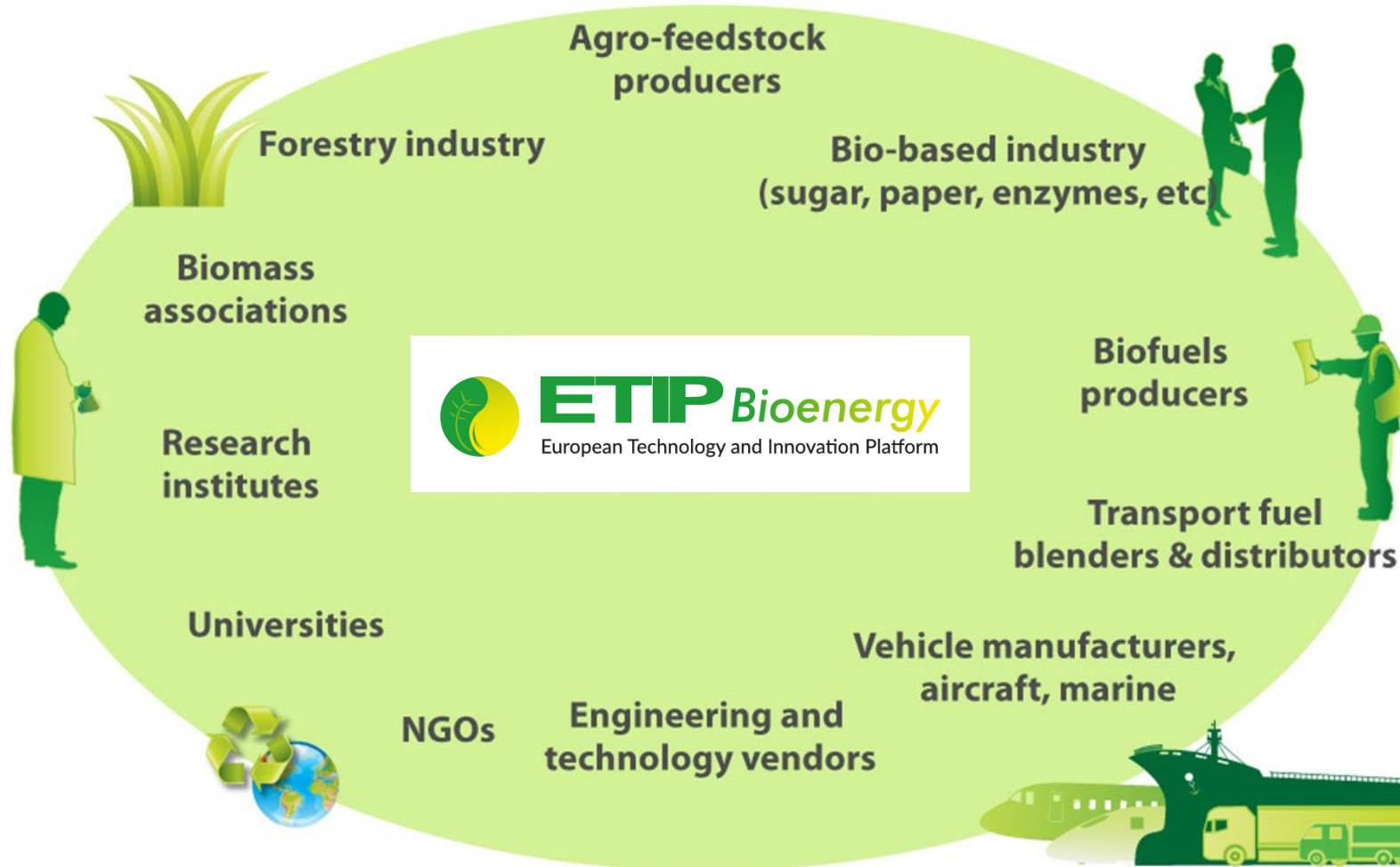


## ETIP Bioenergy Mission

- to develop cost-competitive world-class bioenergy and biofuel value chains,
- to create a healthy bioenergy industry with well articulated goals as well as links to societal challenges and industrial transformation,
- to accelerate the sustainable deployment of biofuels and bioenergy in the EU,
- to promote knowledge based research, technology development and demonstration in the field of bioenergy, and
- to assist in joint coordination of research and technology development for low carbon technologies



# Stakeholders of the ETIP Bioenergy





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## Relevant developments for the SRIA 2018 I

- Political framework post 2020 (Energy Union governance, RED II),
- Fossil energy prices: Continue to be low
- Biomass sustainability discussion: Ongoing and far from consensus
- Project/company failures since 2016 – but also successful pilots/demos
- Broadened scope of ETIP Bioenergy



## Relevant developments for the SRIA 2018 II

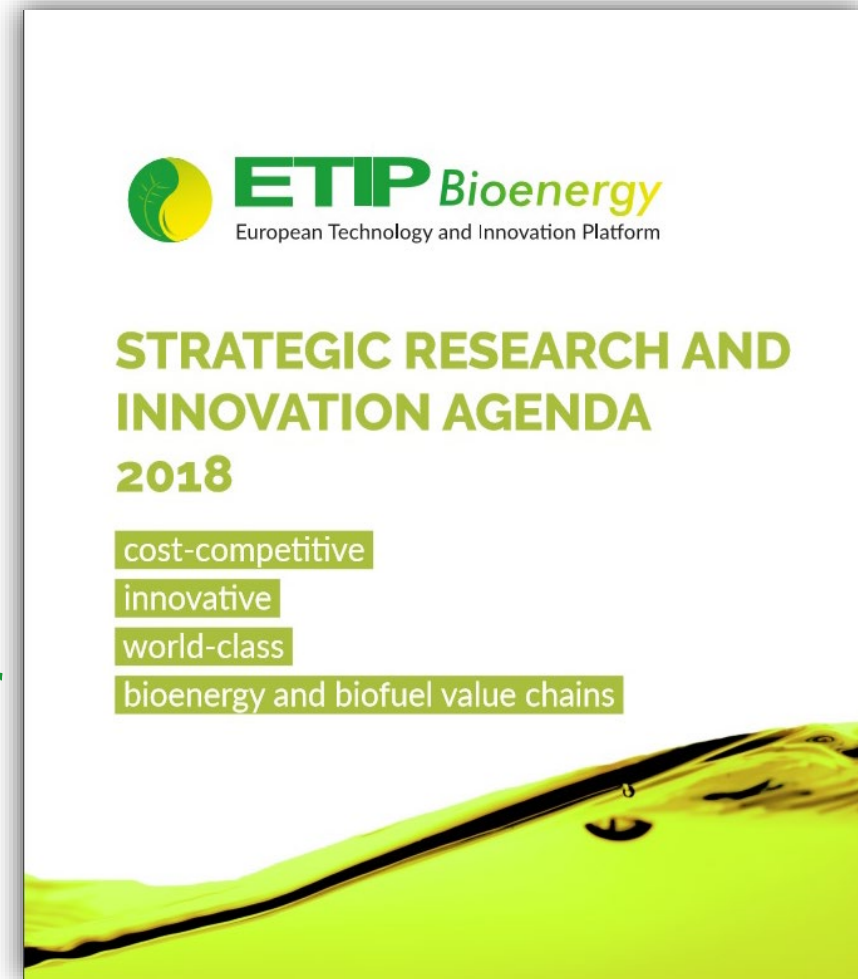
- Significant need for bioenergy in most energy scenarios for 2030/2060
- Market integration electricity/heating&cooling/transport
- Transport sector key market (aviation, maritime, heavy duty road)
- More prominence for gaseous fuels in public discussion
- Increasing market shares of other RES- integration crucial
- Considerable R&I investments (e.g. EU H2020 advanced bioenergy: 350 M€)
- Recommendations by other organisations/initiatives: IEA Bioenergy Roadmap, IRENA, EC ECORYS Study, SET-Plan TWG8, EERA, SGAB Technology Status





## The Strategic Research and Innovation Agenda

- Presents the most significant recent evolutions with relevance to the advancement of biofuels and bioenergy technologies and policies
- Highlights the corresponding research, development and demonstration activities and priorities for the next decades necessary to achieve long-term bioenergy policy goals
- Identifies the potential for biofuels and bioenergy technologies to contribute to the decarbonisation of the current energy system and in particular the transport sector
- Brings together knowledge and expertise of a diversity of stakeholders (research und development, industry, NGOs)





## The Strategic Research and Innovation Agenda - recommendations

- Ensure a coherent national implementation of the EU biofuel legislation.
- Relevant, transparent and science-based data and tools for practical implementation of sustainability requirements in the legislation and market place should be further developed.
- Support resource efficient supply following a system approach (including legal and financial mechanisms and measures).
- The key priorities for commercial biofuel technologies are to improve environmental (GHG, energy balance, water, inputs...) and economic performance and bring flexibility as integrated biorefinery.



## The Strategic Research and Innovation Agenda - recommendations

- Conversion technologies targeting fuels for heavy duty road, air, and marine transport deserve priority attention because of lack of low fossil carbon alternatives and their increasing demand.
- Work to ensure a fair appreciation of CO<sub>2</sub> emissions (well-to-wheel approach) such that vehicles running on partly or fully on renewable fuels and electric vehicles are treated using equal criteria.
- The SET-Plan Action 8 Implementation Plan with suggested activities worth more than €100bn needs to be executed by stakeholders, Member States and EU



## Summary ETIP Bioenergy SRIA 2018

- ETIP Bioenergy SRIA 2018 was finalised in December 2018
- Mismatch between (e.g. 2°) scenario needs, political framework and R&I activities
- Key issues remain
  - Stable and supportive framework for all applications
  - Broaden and mobilise sustainable biomass feedstock supply
  - Flexible, efficient conversion technologies
  - Biofuel qualities according to market needs, for short term use in existing vehicle fleet preferably drop in qualities



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## How to participate in ETIP Bioenergy

- Become a member of the **Stakeholder Plenary**
- By signing up to the **newsletter, e-mail shots, stakeholder plenary meeting**
- **By active participation in the Working Groups**
  - ... input to position papers,
  - ... input to the Strategic Research and Innovation Agenda,
  - ... input to other publications directed to EC
- Participation in the ETIP Bioenergy is free of charge!



## Project Partners



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



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