



ETIP Bioenergy scoping workshop

Supporting outset and consolidation of bioenergy value chains in South East Europe



July 3, 2018
Novi Sad, Serbia

Agenda

Welcome

Peter Canciani, CEI

Nataša Rubežić, SERBIO

9.00-9.15

ETIP Bioenergy as a key player supporting R&I in the energy sector in Europe

Peter Canciani, CEI

9.15-9.30

Current policy landscape for bioenergy in Serbia and Vojvodina

APV Provincial Secretariat for Energy

9.30-9.45

Biomass availability and competitive uses in Vojvodina

Boris Dumnić, University of Novi Sad

9.45-10.00

Developing a Sustainable Bioenergy Market in Serbia

Reiner Schellhaas, GIZ

10.00-10.15

Sustainable regional biomass supply

Vojislav Miličić, SERBIO

10.15-10.30

Perspectives of biomass trade in the Danube Region

Thies Fellenberg, Energy BARGE project

10.30-10.45

Obstacles and constraints in biomass utilization

Milan Martinov, University of Novi Sad

10.45-11.00

The point of view of the business community

Stanka Leskovac, NIS

Conclusions

Peter Canciani, CEI

Nataša Rubežić, SERBIO



Vojvodina is a highly developed agricultural region in Serbia with additional untapped biomass potentials. The economy is largely based on agriculture and food industry. Agricultural land makes up 84% of its territory, with more than 1.5 mln ha. The share of agribusiness in the total industrial production is 40%. Vojvodina has also a strong industrial tradition, particularly in the petrochemical sector. There is growing interests for opportunities deriving from valorisation of sustainable biomass, particularly at policy level.

***ETIP Bioenergy as a key
player supporting R&I in
the energy sector in
Europe***

Peter Canciani

on behalf of the ETIP Bioenergy SABS team

July 3, 2018. Novi Sad, Serbia



The European Technology and Innovation Platform Bioenergy...

- Bases on the European Commission's Energy Union strategy
- Is a continuation of
 - the European Biofuels Technology Platform (EBTP, launched 2006) and
 - the European Industrial Bioenergy Initiative (EIBI, launched 2010)
- Established in April 2016



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 Plan in the field of biofuels and bioenergy

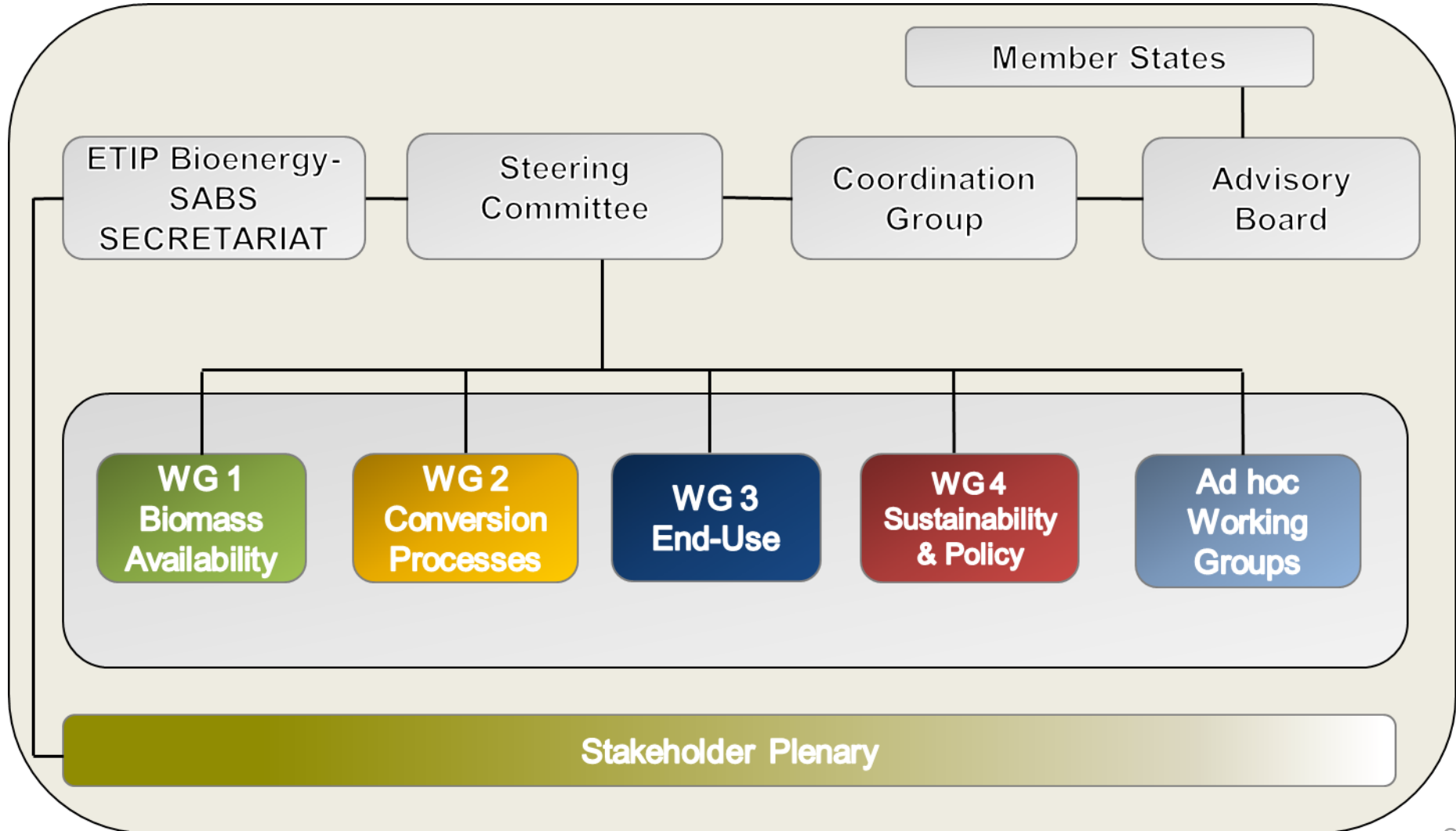


ETIP Bioenergy mission...

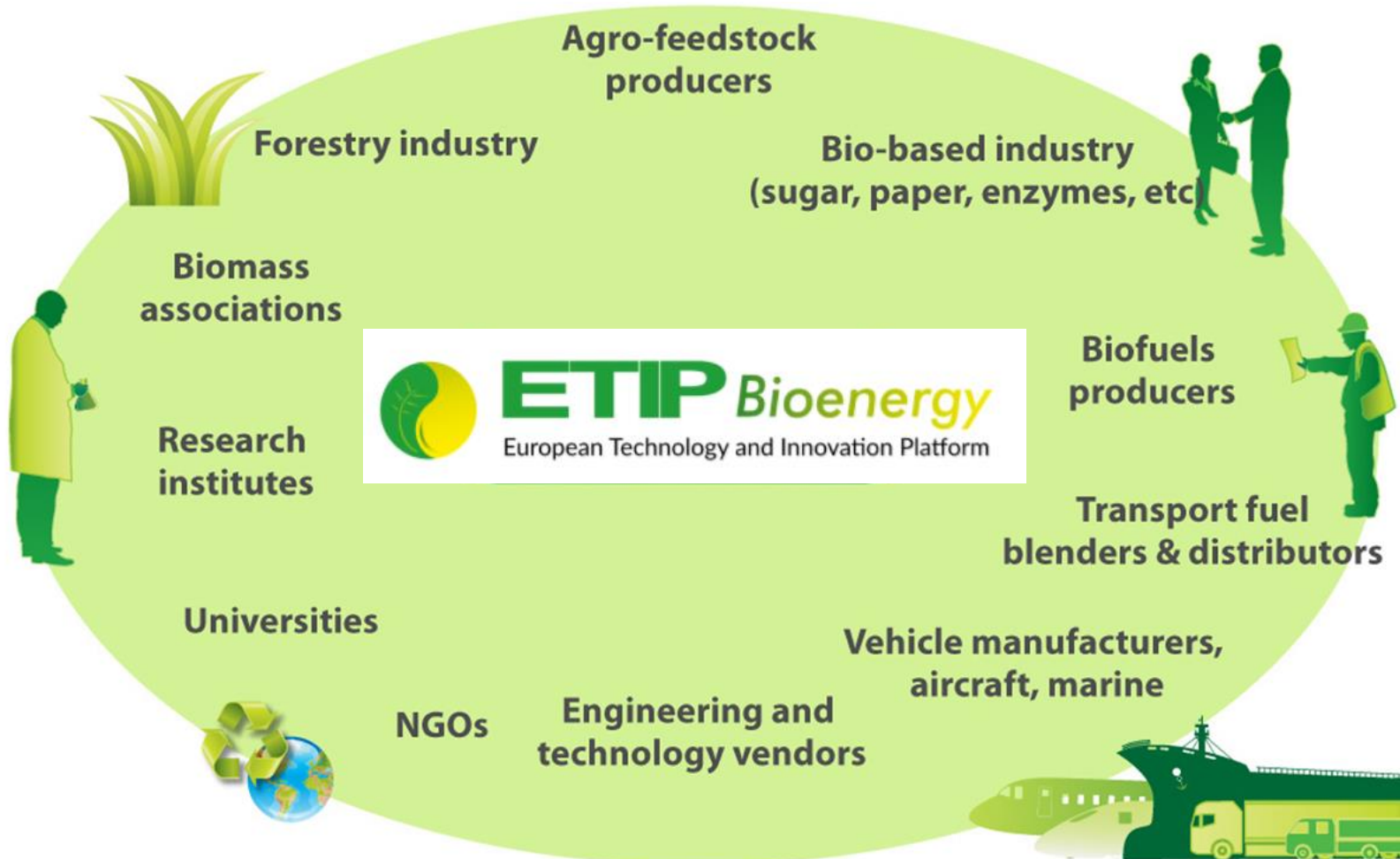
...is to contribute:

- to the development of cost-competitive world-class bioenergy and biofuel value chains,
- to the creation of a healthy bioenergy industry,
- to accelerate the sustainable deployment of biofuels and bioenergy in the EU, and
- to promote research, technology development and demonstration in the field of bioenergy

Organisation of ETIP Bioenergy



Stakeholders of the ETIP Bioenergy



Stakeholders of the ETIP Bioenergy

- Institute of Industrial Organic Chemistry, Warsaw
- EuropaBio/ SusChem
- European Biodiesel Board
- Bellona
- Orsted Energy
- SAFRAN Group
- Finnish Forestry Industries Federation
- Lulea University
- Neste
- Fossil Free Fuel Centre
- IFPEn
- Volvo Technology Corporation
- SINTEF
- Pannonia Ethanol
- FZ Jülich/RWTH Aachen
- Wageningen Research
- ETIP RHC-Biomass
- EERA Bioenergy Joint Programme
- DI Energi
- BTG World
- Verbio
- E.ON
- Clariant
- St1 Nordic Oy
- Stena
- Scania
- National Laboratory of Energy and Geology (LNEG)
- Novozymes
- Total
- UPM



Strong cooperation with a variety of different stakeholders

- The European Energy Research Alliance (EERA) Bioenergy Joint Program (JP)
- The ETIP Renewable Heating and Cooling (ETIP RHC) Biomass Panel
- Sustainable Transport Forum (STF) and Subgroup on Advanced Biofuels (SGAB)
- The ART-Fuels Forum
- ERA-Net Bioenergy and the BESTF project consortia
- ERIG - European Research Institute for Gas and Innovation (ERIG)
- The SET Plan Governance bodies and other ETIPs and ETPs involved in elaborating SET Plan Implementation Plans for Key Action 8

Current focus of the ETIP Bioenergy Working Groups

- **Working Group 1: Biomass availability**
 - Biomass potential & biofuel quality
 - Good practices for biomass supply and logistics
 - Biofuels from marginal land
 - Biomass cost supply
 - Certification & standardisation

- **Working Group 2: Conversion processes**
 - Thermochemical and chemical conversion
 - Biochemical conversion
 - Integration of biorefineries and bioenergy

Current focus of the ETIP Bioenergy Working Groups

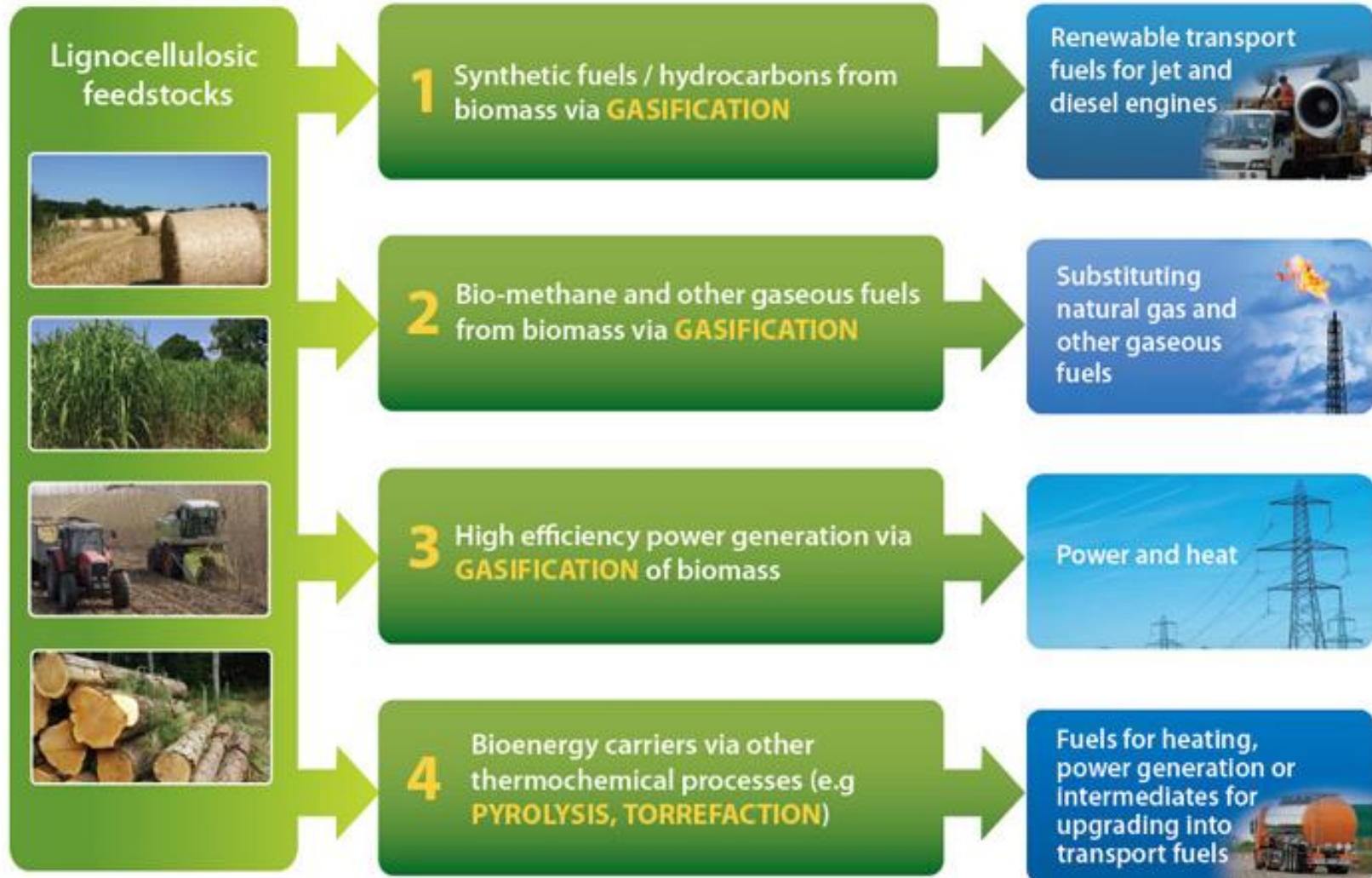
■ Working Group 3: End Use

- Fuel properties and the actual requirements of the engines
- Understanding the interactions of fuel and engine, and when applied, exhaust after-treatment as well, thereby enabling co-optimisation of all elements in the system

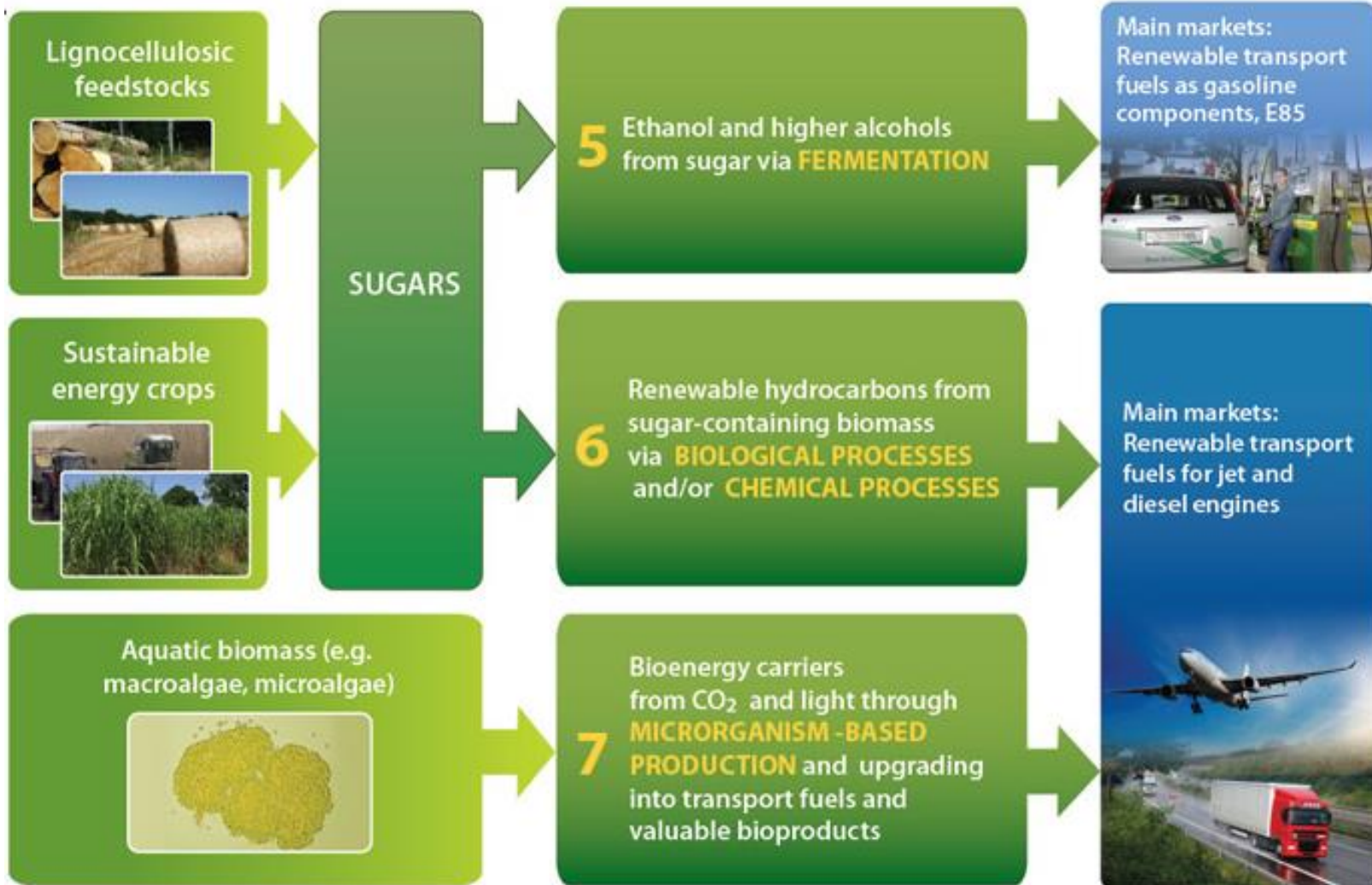
■ Working Group 4: Policy and Sustainability

- Revision of the Renewable Energy Directive and position of ETIP Bioenergy (REDII)
- Contribute to the discussion on biomass sustainability criteria and schemes, for solid biomass and liquid/gaseous biofuels, in the context of RED II and otherwise
- Implementation Plan for the SET-Plan Key Action 8 (Cross-cutting issue)

Thermochemical Pathways



Biochemical Pathways



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 and development, industry, NGOs)



Website

The screenshot displays the ETIP Bioenergy website interface. At the top left is the logo with the text "ETIP Bioenergy European Technology and Innovation Platform". To the right are navigation links for "ABOUT US" and "CONTACT", along with social media icons for Twitter and LinkedIn. A dark navigation bar contains the following menu items: "HOME", "VALUE CHAINS", "MARKETS & POLICIES", "SUSTAINABILITY", and "SUPPORTING INITIATIVES AND PLATFORMS".

The main content area features a central graphic titled "Integrated SET-Plan" surrounded by various energy-related icons. Below this is a section titled "Action 8 Set-Plan". To the right is a grid of four colored boxes: "ADVANCED BIOFUELS" (teal), "GET INVOLVED" (orange), "NATIONAL PROFILES" (green), and "FUNDING PROGRAMS" (light green).

Below the grid are two sections: "DATABASES AND RESOURCES" and "BIOENERGY FOR". The "DATABASES AND RESOURCES" section includes a tree-like icon and a list of links: "EVENTS & TRAINING COURSES", "FACT SHEETS", "REPORTS", "NEWSLETTERS", "STAKEHOLDERS", "STAKEHOLDER PLENARY MEETINGS", "PRODUCTION FACILITIES", "WORKSHOPS", "DEPLOYMENT SUPPORT MEASURES", and "LINKS". The "BIOENERGY FOR" section has three columns: "RESEARCH" (with a petri dish image), "INDUSTRY" (with a factory image), and "EVERYONE" (with a car made of leaves image).

Supporting project: ETIP Bioenergy-SABS

- Funding programme: Horizon 2020 EU Framework for Research and Innovation (Grant agreement No 727509)
- Funding volume: 599,195 €
- Duration: 24 months (09/2016 – 08/2018)
- Participation:
 - Agency for Renewable Resources (FNR, Germany)
 - Bioenergy 2020+ (Austria)
 - INCE - Iniziativa Centro Europea / CEI – Central European Initiative (Italy)
 - ETA Florence Renewable Energies (Italy)



secretariat@etip-bioenergy.eu

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
- Participation in the **ETIP Bioenergy is free of charge!**



JOIN THE PLATFORM



ETIP Bioenergy is a wide and open forum, therefore stakeholders are welcomed from all parties involved with the development of sustainable bioenergy: agricultural & forest products producers and common interest groups, industry and industry associations, research and technology organisations, academia, governmental bodies, civil society, the general public.

- Get connected to stakeholders from around Europe engaged in bioenergy-based solutions and biofuels
- Influence the development of biofuels and bioenergy in Europe
- Learn about best practices regarding market implementation, commercialization and deployment of new technologies.

Contact us at
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www.etipbioenergy.eu
 [@ETIP_Bioenergy](https://twitter.com/ETIP_Bioenergy)