

IEA Bioenergy Briefing

September 6, 2018



Jim Spaeth

Chair IEA Bioenergy Executive Committee

www.ieabioenergy.com

IEA Bioenergy

Technology Collaboration Programme (TCP)

Mission:

To increase knowledge and understanding of bioenergy systems in order to facilitate the deployment of:

- **environmentally sound**
- **socially acceptable and**
- **cost-competitive bioenergy systems**

Key Role:

Independent collaborative body focused on delivering clear and verified information on bioenergy

Membership - 24 Contracting Parties



Tasks

Task 32 - Biomass **Combustion** and Co-firing

Task 33 - **Gasification** of Biomass and Waste

Task 34 - Direct Thermochemical **Liquefaction**

Task 36 - Integrating Energy Recovery into Solid **Waste** Management Systems

Task 37 - Energy from **Biogas**

Task 38 - **Climate Change Effects** of Biomass and Bioenergy Systems

Task 39 - Commercialising Conventional and Advanced **Liquid Biofuels**

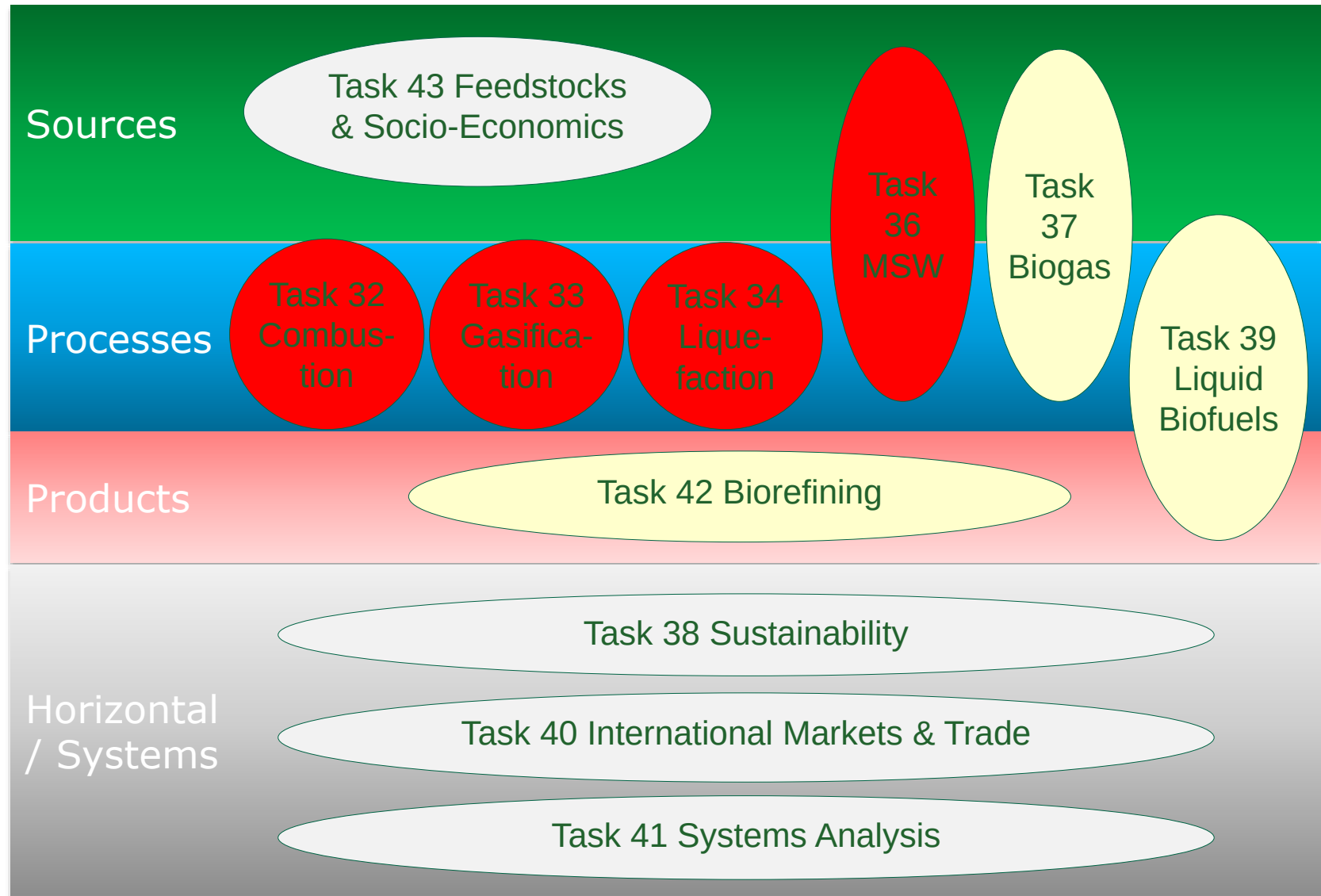
Task 40 - Sustainable Biomass **Markets** and International Bioenergy **Trade** to Support the Biobased Economy

Task 42 - **Biorefining** in a Future BioEconomy

Task 43 - Biomass **Feedstocks** for Energy Markets



IEA Bioenergy – Depth and Breadth



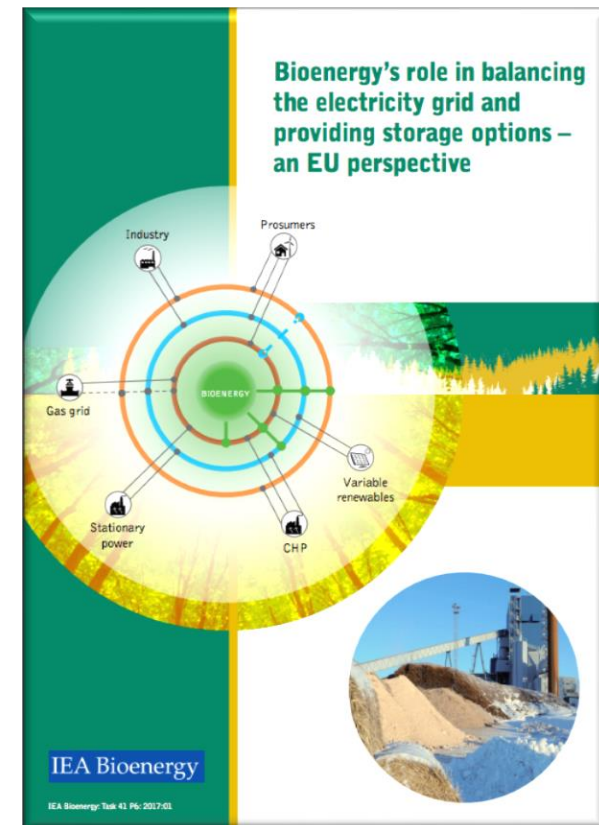
Inter-Task Projects

- Fuel pretreatment of biomass residues in the supply chain for thermal conversion
- Measuring, governing and gaining support for sustainable bioenergy supply chains
- Bioenergy Success Stories

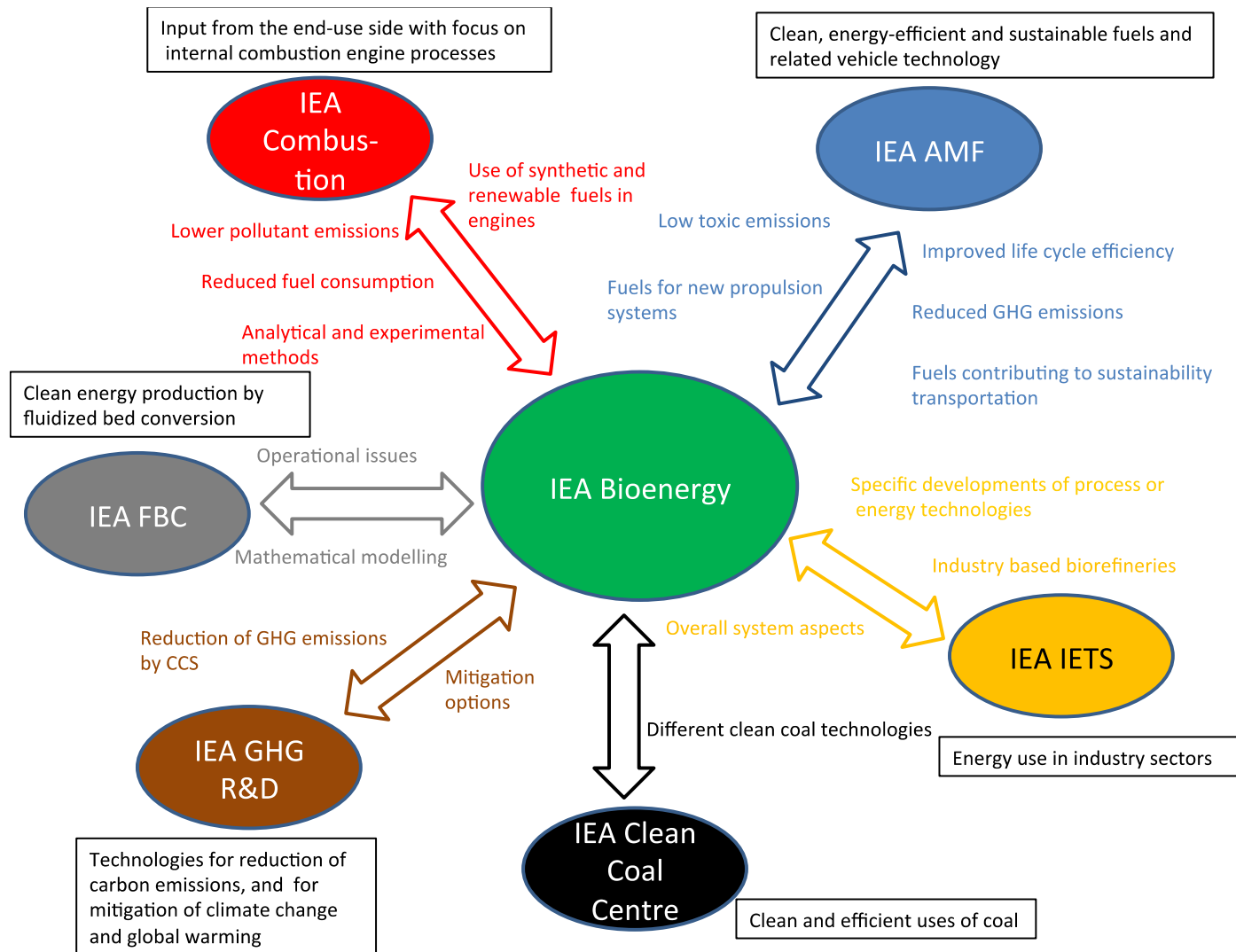


Special projects (Task 41)

- Bio-CCS and Bio-CCUS
- Bioenergy - Balancing the Grid and providing Storage Options
- Bioenergy - Renewable Energy System Hybrids
- Contribution to IEA Technology Roadmap on Bioenergy



Collaboration with other TCPs



Communications

- Cooperation with other international organizations:
 - IRENA, FAO, GBEP, BioFutures Platform, Mission Innovation, SEforAll/Below50
- Position papers
 - 'Bioenergy for Sustainable Development'
 - Chatham House Report Response
- Bi-Monthly Webinars
- Workshop Reports
- Success Stories
- Summaries of Technical Reports
- Twitter (@IEABioenergy)



Opportunities for Growth: Linking Multi-lateral Efforts



TCP Benefits

- Strengthen national R&D capabilities
- Share research costs
- Pool technical resources
- Network researchers
- Enhance the quality of R&D outputs
- Build common understanding of technical basis for issues
- Avoid duplication and unproductive research paths
- Standardise methodologies
- Harmonise technical standards
- Disseminate information on technology capabilities
- Accelerate the deployment of new technologies
- Contribute to energy policy development

ABLGlobal

End of Triennium Event 2018

- **San Francisco, November 5-9, 2018**
 - Monday - IEA Bioenergy Task Meetings
 - Monday/Tuesday - IEA Bioenergy Executive Committee
- **ABL Conference Events – November 7-9**
 - Wednesday - IEA Bioenergy - End of Triennium Program
 - Evening International Session with Biofuture Platform, below50, IRENA, ...
 - Thursday - ABLC Program
 - Friday - US DOE Bioenergy Program



Conclusions

- Bioenergy has an important role to play
 - in expanding availability and access to robust and reliable energy systems
 - and realising low carbon transportation
- IEA Bioenergy continues to provide crucial science based analysis to inform the international community
- Methods for disseminating IEA Bioenergy messages are expanding via increased use of webinars & social media
- Collaboration with relevant international bodies is developing strongly





IEA Bioenergy



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*Thank you for your
consideration*