

Triennium 2019-2021
Task42 Proposal Summary Sheet (final 14 February 2019)

Task Title: Biorefining in a Circular Economy		Proposers: the Netherlands / Austria
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Endorsement by ExCo Member (Operating Agent) of participating country		
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Objective

The aim of IEA Bioenergy Task42 ‘Biorefining in a Circular Economy’ is to facilitate the commercialisation and market deployment of environmentally sound, socially acceptable, and cost-competitive biorefinery systems and technologies, and to advise policy and industrial decision makers accordingly. Task42 provides an international platform for collaboration and information exchange between industry, SMEs, GOs, NGOs, RTOs and universities concerning biorefinery research, development, demonstration and policy analysis. This includes the development of networks, dissemination of information, and provision of science-based technology analysis, as well as support and advice to policy makers, involvement of industry, and encouragement of membership by countries with a strong biorefinery infrastructure and appropriate policies. Gaps and barriers to deployment will be addressed to successfully promote sustainable biorefinery systems market implementation.

Work scope

Biorefining is one of the key enabling strategies of the Circular Economy, closing loops of raw biomass materials (re-use of agro-, process- and post-consumer residues), minerals, water and carbon. Therefore, biorefining is the optimal strategy for large-scale sustainable use of biomass in the BioEconomy. It will result in cost-competitive co-production of food/feed ingredients, biobased products and bioenergy combined with optimal socio-economic and environmental impacts (reduced GHG emissions, efficient use of resources, etc.).

Work programme

In the 2019-2021 triennium, Task42 will focus on:

- Provision of quantitative, scientifically sound, and understandable data on technical, economic and ecological added-value of biorefining to co-produce bioenergy and bio-products in a sustainable way – WP1
- Provision of global biorefineries implementation status, major deployment barriers and market data – WP2
- Provision of an international platform for cooperation and information exchange – WP3

Main Deliverables

- WP1. Biorefinery Assessment Platform (BAP), Biorefinery Fact Sheets.
- WP2. Case study identifying Barriers and Incentives for Market Diffusion, Biorefinery Country Reports, Global Biorefinery Status Report, Global Database/Mapping Biorefineries, Reports on Sustainable Lignin Valorisation, Slide decks on international developments Biobased Products Standardisation/Certification (link Task Climate & Sustainability).
- WP3. Website, Biannual Newsletters, Lectures at International Events, Webinars, Annual Thematic Stakeholder Workshop on Role of Biomass, Bioenergy & Biorefining in a Circular Economy (joint event with various international organisations), (industrial) stakeholder events at national level (organised by specific NTLs), Training Courses Contributions.
- WP4. Biannual physical Task Meetings in partnering countries preferably coupled to a national stakeholder event/excursion, 3-monthly Skype Progress Meetings, Progress Reports for IEA Bioenergy ExCos.

Dissemination Plan and Target Groups (TGs)

Depending on the specific deliverable concerned, target groups will vary from industry/SMEs to UNIs/RTOs to GOs/NGOs to general public to Task42/ExCo. The goal is to involve more stakeholders in Task42, and to increase its platform role (central international scientifically based platform for information exchange). Task42’s existence will be actively communicated to the outside world by means of operating an up-to-date Task42 website (external communication) with password protected members area (for internal Task/ExCo communication), publishing biannual Task42 newsletters, lecturing at international conferences, using new social media, organising annual Thematic Stakeholder Workshops, and contributing to Biorefinery Training Schools.

Management Qualifications

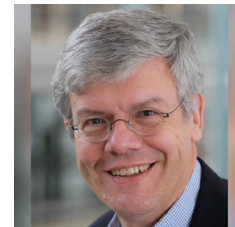
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