

IEA Bioenergy

IEA Bioenergy – Task42 Biorefinery

IEA Bioenergy is an international collaboration set-up in 1978 by the International Energy Agency (IEA) to improve international co-operation and information exchange between national bioenergy RD&D programmes. IEA Bioenergy's vision is to achieve a substantial bioenergy contribution to future global energy demands by accelerating the production and use of environmentally sound, socially accepted and cost-competitive bioenergy on a sustainable basis, thus providing the increased security of supply whilst reducing greenhouse gas emissions from energy use. IEA Bioenergy covers all aspects of the bioenergy chain, from resources to the supply of energy services, including biorefining aspects.

www.ieabioenergy.com

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Task42 Biorefining

Sustainable processing of biomass into a spectrum of marketable Biobased Products and Bioenergy

www.iea-bioenergy.task42-biorefineries.com

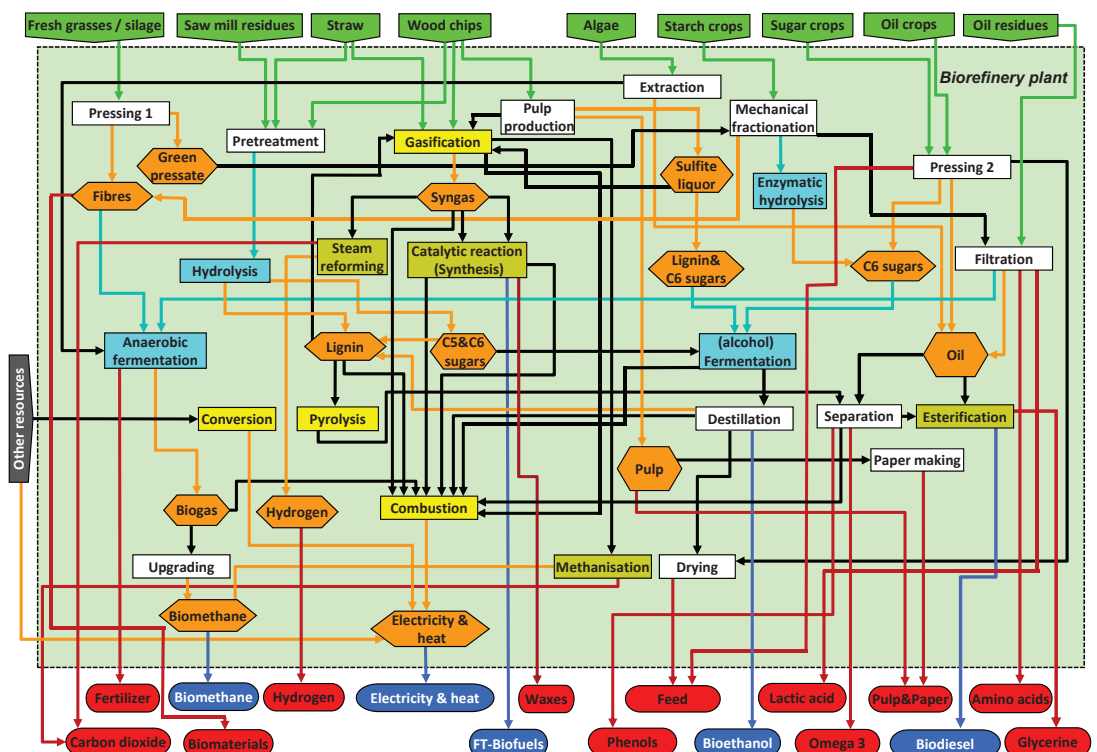


Goal

To contribute to the development and implementation of sustainable biorefineries – as part of highly efficient, zero waste value chains – synergistically producing bio-based Food and Non-food Products as a base for a global BioEconomy.

Challenges to be tackled

- Develop industry legitimacy and a level-playing field for sustainable biomass use
- Multi-sectoral stakeholder involvement in the development and implementation of sustainable value chains
- Technology development and biorefinery scale-up using best practices
- Unlock available expertise energy/fuel (trading, certification), agri-food, material and chemical manufacturing sectors
- Develop the necessary human capital by training students and other stakeholders to become the biorefinery experts of today and tomorrow



Activities 2013 – 2015

1. Assessment of the market deployment potential of integrated biorefineries
2. Support of industrial/SME stakeholders finding their position in a future BioEconomy
3. Analysis of optimal sustainable biomass valorisation using the market-pull perspective approach
4. Preparation of advice for policy makers on current status, future potential and priority needs
5. Biorefinery knowledge dissemination
6. Delivery of biorefinery training activities

Participating countries

