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ETIP Bioenergy Workshop Emerging Technologies

New biofuel production concepts focus on decentral small-scale biomass conversion units and on integration with fossil refineries. Hydrogen from electrolysis can significantly enhance the utilization of biogenic carbon in synthesis gas processes.

On June 4th, 2018, more than 20 biofuels experts gathered in Brussels to discuss biofuel technologies at low TRL, organised by ETIP Bioenergy which is the key European forum for industry and research interested in innovative biofuels and bioenergy. Presentations elaborated on the status of research and demonstration of various biofuel technologies. Focus was on decentral biomass conversion units at a scale compatible with regional biomass supply, and on integration with fossil refineries, either by adding bio-oil to the FCC or by upgrading raw FT products into advanced biofuels. Hydrogen from electrolysis is increasingly included in conversion processes to enhance the utilization of biogenic carbon, but can also be produced from biomass through a chemical looping technology. The Fuel Cell and Hydrogen joint undertaking (FCH JU) is financially supporting related projects.

All workshop presentations are available for download at www.etipbioenergy.eu/ws-emerging-technologies