

Contract No. SES6 - 038994

Title: Biomass for the market competitive and environmental friendly synthesis of bio-products, chemicals and/or materials together with the production of secondary energy carriers transportation, fuels, power and/or CHP through the bio refinery approach, combining both biochemical en thermo-chemical pathways, and process development from lab-scale to demonstration at pilot-scale

Duration: 01/01/2007 - 31/12/2010

Abstract

Use of biomass for synthesis processes (transportation fuels, platform chemicals) and energy production (power) on the basis of the bio-refinery concept by applying advanced fractionation and conversion processes and combining biochemical and thermo-chemical pathways.

CHIMAR will produce formaldehyde based binders using various products such as lignin, furfural, THF, hydroxymethylfurfural etc and apply them in the manufacturing of wood panels. Additionally, CHIMAR will make use of biomass-derived agents in resin additives such as hardeners and surfactants.