

Life CO₂IntBio Project

CO₂ capture and treatment of the combustion gases from a power plant that produces electricity and heat from biomass to be used as raw material with new applications.



RESULTS

- Utilisation of **CO₂** captured in biomass power plants as raw material, after its purification.
- Elaboration of a new product: green **CO₂** of renewable origin.
- Development of an industrial symbiosis model between intensive energy industries and chemical industries.
- Creation of an eco-labelling for this **CO₂** neutral in emissions: Environmental Product Declaration (EPD).
- Life Cycle Assessment, case of the **CO₂** produced from biomass combustion and definition of specific criteria for EPD (Product Category Rules for CO₂).
- Replicability Plan and development of industrial symbiosis models for the recovery and reuse of **CO₂**.

THIS PROJECT WILL AVOID THE EMISSION OF 420 kg CO₂ for every ton of green CO₂ gas produced*.

*According to the Life Cycle Assessment that compares the CO₂ production from natural gas combustion with the CO₂ production from biomass (LIFE CO₂Intbio project).