

**Contract No:** QLK5-CT-2002-001596

**Title:** Renewable Adhesives for Industrial Wood Based Panel Production

**Duration:** 01/01/2003 - 30/04/06

**Abstract**

The overall objective of the project research work was the development and production of a renewable and sustainable substitute for phenolic adhesive resins in order to be used in the wood-based panel industry. The basis for implementing all the above was biomass thermolysis liquid products.

In this framework, CHIMAR's scientific team has tested each liquid as well as separated liquid fractions at laboratory scale for examining their effectiveness as a substitute for synthetic resin in the wood panel industry and having the objective to achieve 100% of phenol substitution and over 30% substitution of formaldehyde.