

**Acronym:** COST E49

**Title:** Processes and Performance of Wood-based Panels

**Duration:** 28/02/2005 – 06/07/2009

### **Abstract**

COST Actions are initiatives funded by the European Commission. An Action is essentially a network of scientists and industrialists who are interested in a particular topic. A principal aim of an Action is to provide coordination at the European level to research funded at a national level so as to avoid repetition and encourage synergies between existing and future research projects. Basic aim of the present Action is to help the wood-based panel sector to meet future demands and competition from other materials and markets through the scientific-based advance of wood-based panels and their production processes towards higher technical, economic and environmental standards

COST Action E49 is entitled *Processes and Performance of Wood-Based Panels* and is concerned with all aspects of the WBP sector including: raw materials (wood, adhesives, coatings, coverings, etc.) manufacture of all panel types, end-use, the equipment needed for the manufacture and processing of panels.

CHIMAR and its scientific team, participates in 2 out of 3 working groups of COST E49 entitled *Process optimisation and process innovation* and *Performance in use and new products*. The work supported by CHIMAR, in the framework of this COST, includes chemistry and production of formaldehyde-based resins as well as of environmentally friendly resins from renewable resources or industry by-products, reduction of formaldehyde emission from wood-based panels, development of recycling technologies for the wood industries and modelling and simulation of industrial processes.