

## Abstract: Bio-solutions and Actual Alternatives in the Wood Based Industry to Obtain a Greener Foot Print

The actual key related to Bio-Solutions and alternatives in the wood based industry it's how we could combine the real industrial options to obtain a Greener footprint. In Polymer industry the Bio-Solutions could cover from a 100% polymer with raw material which don't proceed from petrochemical sources till percentages of substitution/modification the raw material. Focus in the Wood based Industry the new Bio-solutions and alternatives could give to us natural emission of wood and implementing new products and additives, achieving a final Greener Footprint.

Today the wood industrial market combines solutions which comes from almidon, soja, sugars, starch, different types cellulose, tannins, quebracho, MDI, PVA .... The state of the art includes a R&D work testing of by-products, subproducts new products to determine de viability of scale-up. Now involving Chemical producers with R&D resources to be part of International Training networks promoted by European Commission to combine the Academia & Industry obtaining new critical Knowledge about the Bio-polymers and Bio-products will be the future to create a Business with the Bio-Products.

Now obtaining a Greener footprint with lower Cost/effectiveness ratio is the goal to produce the polymer and additives at industrial level. Today into different industrial and European projects FORESA combine the most promising of them, but linking the raw material source which must don't compete with the food chain, production and including with minor changes in the production lines to obtain a Greener Solution.

Actually, it isn't enough to have a portfolio including Bio-solutions, it's improve it to pass to massive production with prices around 10-15% higher the standard solutions a be more competitive and not related to niche markets.

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