

ITALY DAY

ABSTRACT TABLE OF PROJECT PROPOSAL

PROJECT Nr. 17

- SECTOR:** High-performance bio-based polymers
- PROJECT IDEA IN A HEADLINE:** Using bio-sources to create novel high-performance polymers for industrial applications
- INNOVATIVE POINTS:**
- 1) Using only really sustainable, non-edible by-products of the food or agriculture industry
 - 2) Creating new polymers with no compromises with technical properties (performances first!)
- POTENTIAL BUSINESSES AND APPLICATION FIELDS:** Create value from bio-based wastes by producing polymers for industrial applications
Selling of bio-based monomers and pre-polymers
Technical assistance for the use of bio-based polymers
Licensing for the production of bio-based polymers
Customized development of brand new bio-based polymers
Industrial applications in the fields of polyurethanes, coating and fibre-reinforced composites.
- CHARACTERISTICS OF POTENTIAL PARTNERS:**
- 1) Producer of bio-based wastes willing to explore new ways to create valuable materials from them;
 - 2) Industries interested in using existing products in the fields of polyurethanes, coatings and composites;
 - 3) Investors interested in supporting the development of new high-performance bio-based polymers for industrial applications.
- EU PROGRAMMES TO PARTECIPATE:** We are open to proposals.
- BRIEF PROJECT DESCRIPTION:** We have developed brand new monomers and pre-polymers derived from Cashew Nut Shell Liquid, already used industrially in the fields of polyurethanes (especially rigid foams), coatings and composites. Our polyols, novolacs and epoxy resins have been already successfully tested in industrial processes and productions. New molecules (benzoxazines, acrylates, amines, etc.) are under development.
- Our expertise is to transform non-edible bio-sources into valuable materials, from the first lab-scale trials to the industrial production, in a really time-efficient way.
- We are ready to apply our innovative approach to new bio-sources, in order to develop new high-performance polymers and create value from wastes. Our products are ready for selling and licensing.