

CARONNO PERTUSELLA, October 28, 2019



SAPICI is pleased to announce its participation in another European Research Project *“MANDALA : The transition of Multilayer/multipolymer packaging into more sustainable multilayer/single polymer products for the food and pharma sectors through the development of innovative functional Adhesives”* The MANDALA project is an ambitious project that will be executed over the next 42 months with a budget of over four million euros, co-financed by the Bio-Based Industries Joint

Undertaking (BBI JU) under the European Union’s Horizon 2020 Research and Innovation Program.

The project is coordinated by Aitiip Technological Centre and the project consortium consists of 12 entities from 5 different countries: Spain, Norway, Croatia, Greece and Italy, bringing together 4 technology centers, 2 large companies, 5 SMEs and 1 Agrifood Cluster.

In a world of finite biological resources and ecosystems, an innovation effort is needed to make a systemic change in the way we produce, consume and discard goods with a turnover value of €2.3 trillion and accounting for 8.2% of the EU's workforce, the bio-economy is a central element to the functioning and success of the EU economy. The deployment of bio economy represents an important opportunity to increase competitiveness and boost employment in the EU, according to industry estimations, one million new jobs could be created by 2030.

The European project **MANDALA presents a sustainable solution for the plastic packaging sector**, focusing on 3 fundamental pillars: eco-design, dual functionality and end of life, with the aim of finding a sustainable and **effective solution for multi-layer packaging** in the medium term, insofar as recycling conventional plastic materials as well as the use of biopolymers. MANDALA will develop a sustainable packaging format, which in addition to satisfying business needs thanks to its barrier properties, its design will facilitate recycling as it will be possible to separate the multiple layers through the development of a thermo-reversible adhesive.

SAPICI plays a crucial role in MANDALA project due to its huge experience and international leading role in the development, production and commercialization of PU laminating adhesives for plastic films. SAPICI will put at the disposal of the project its expertise and knowhow for assuring proper implementation of the project showing once more, its high compromise with circular economy.

About Bio-Based Industries Joint Undertaking (<https://www.bbi-europe.eu>) is a public-private partnership (PPP) between the European Commission (DG RTD) (https://ec.europa.eu/knowledge4policy/organisation/dg-rtd-dg-research-innovation_en) and industry, organized in the Bio-Based Industries Consortium (BIC) (<https://biconsortium.eu>). The consortium brings together large and small-medium European companies, regional clusters, European technology associations and platforms that share the initiative and are committed to achieving it. This consortium is based on the use of renewable biological resources (wood and agricultural and forest residues, biodegradable waste, etc.) within innovative industrial processes (the so-called bio-industries) for the production of goods / products and services.

About SAPICI — Established in Italy in 1936, S.A.P.I.C.I. S.p.A. is a global innovation and full-quality driven developer and manufacturer of advanced and high-performance polyurethane products for such applications as Coating, Flexible Packaging, Industrial Adhesives, Prepolymers, Inks, and more. SAPICI combines its product offering with direct and tailored services to its customers worldwide including continued technical assistance, research and development, and industrialization. SAPICI technical knowhow and testing and analysis equipment allow its highly qualified workforce to anticipate and satisfy the needs and requirements of its most demanding customers, contributing to paving their way to further sustainable success. Over 160 SAPICI employees located in the Company's commercial offices and in the three production sites in Italy and China serve their customers supported by a capillary technical and commercial global organization. Find more information:

- **SAPICI S.p.A.** www.sapici.it
- Bio-Based Industries Joint Undertaking <https://www.bbi-europe.eu>
- <https://cordis.europa.eu/project/rcn/222677/factsheet/en>
- European Commission (DG RTD) https://ec.europa.eu/knowledge4policy/organisation/dg-rtd-dg-research-innovation_en
- Bio-Based Industries Consortium (BIC) <https://biconsortium.eu>

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