

OUR PARTNERS

The project management structure for BANUS consortium, which consists of five small and medium partners, two associations and two research centres, has been conceived to ensure competent knowledge, IP Rights and other innovation-related activities management, and to enable efficient integration and communication throughout the management chain.



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BANUS

Definition and development of functional barriers for the use of recycled materials in multilayer food packaging



ABOUT THE PROJECT

BANUS project aims to develop new multilayer structures for food packaging applications, in order to evaluate their properties as functional barriers, using conventional polymers to achieve new functionalities and open new potential markets for the traditional recycling companies in Europe.

Taking into account that the main objective of the project is to guarantee the suitability of the functional barrier layers, it is necessary to check that, independently of the quality of the used recycled material, the functional barrier is able to avoid any migration of contaminants to food. A great advantage of BANUS approach is to be able to guarantee food safety when using recycled materials (plastic and paper) even coming from non-authorized recycling processes in food packaging structures.

The project will consider the substitution of a percentage of virgin material by recycled material (paper or plastic) in the selected structures in order to develop more environmentally friendly food packaging structures. As the main requirement for food packages is to always guarantee food safety for consumers, this substitution will be achieved by evaluating the functional barriers positioned between recycled layers and foodstuffs.



Migration cell for Single sided contact migration tests

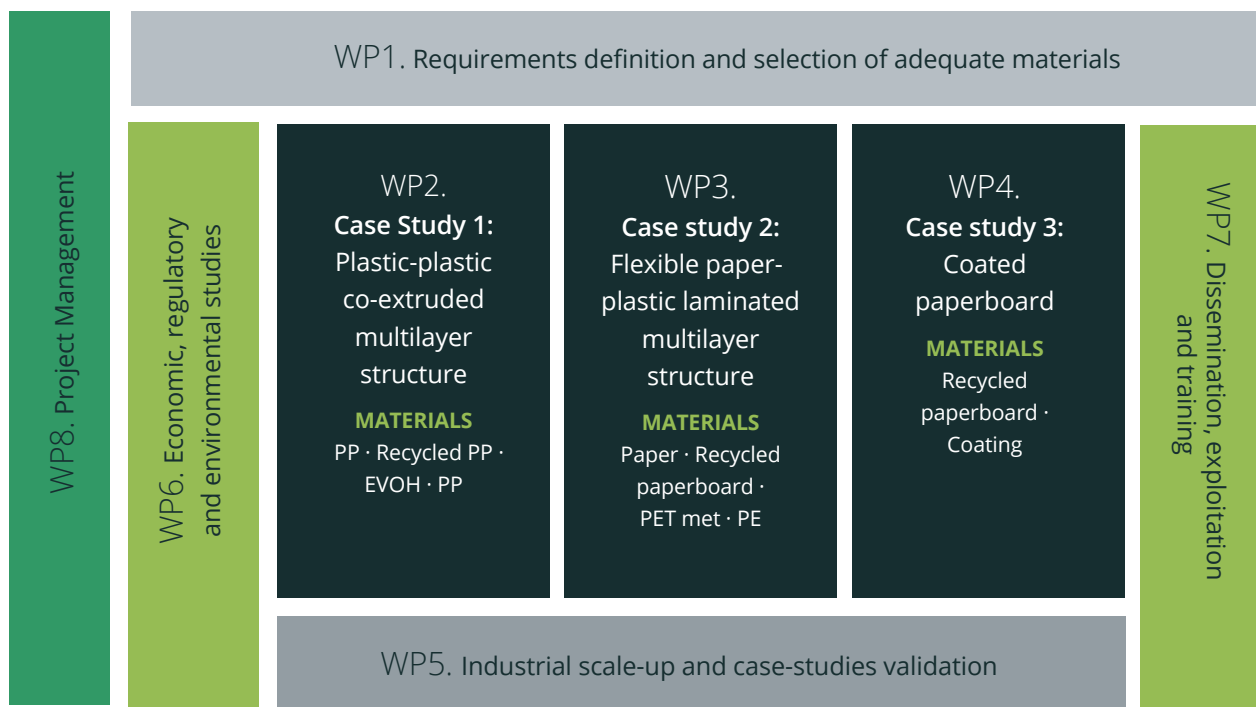


Head-space sampler for specific migration tests



Chromatograph with flame ionization detector (GC-FID) for specific migration tests

METHODOLOGY



Does this sound like you can offer feasible materials or we can use your expertise in another way?
Please contact us!