

Boosting the change into circular bioeconomy



IRODDI project aims to develop new biobased products using Free Fatty Acids (FFAs) contained in the residual side streams of the refining process of oils and fats, as well as develop innovative technologies for isolation of valuable minor compounds contained in them using softer operational conditions



IRODDI will use biorefinery approaches including the synthesis of new products obtained from biomass that will compete with their fossil-based counterparts



IRODDI will take advantage of oil and fats refining streams to extract high-value compounds



IRODDI will obtain bioproducts for different applications based on biological side streams

Contribute to moving to a biorefinery based sustainable model, close loops with circular bioeconomy, maximize the efficient use of available resources

Demonstration of the applicability of these bioproducts in different industrial sectors to contribute -through the bioeconomy- to a sustainable and circular EU by replacing fossil-based materials for bio-based alternatives



COSMETICS INDUSTRY
Squalene



ADHESIVE, LUBRICANTS INDUSTRIES
Biodegradable base-oils and polyurethanes



FOOD INDUSTRY
Bio-compatible and eco-friendly surfactants

PARTNERS

IRODDI's team is composed of highly complementary partners spread around Europe



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