

Presentación pública del Manual sobre las Biorrefinerías en España

18 SEPTIEMBRE 2017

REFUCOAT: Full recyclable food package
with enhanced gas barrier properties and
new functionalities by the use of high
performance coatings

RefuCoat

BioPlat
PLATAFORMA TECNOLÓGICA ESPAÑOLA DE LA BIOMASA

SUSCHEM^{ES}
Sustainable Chemistry



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ECONOMÍA, INDUSTRIA
Y COMPETITIVIDAD

IRYNA
SUKHOTSKA
BIOPOLIS, S.L.

BIOPOLIS



- Biopolis SL was set up in 2003 as a spin-off of the CSIC with industrial partners as Central Lechera Asturiana, Naturex and Talde Capital Riesgo.
- Since February 2017 – new major shareholder Wild Valencia - ADM
- We offer something different: R&D covering the whole product development process in close collaboration with our clients
- We use scientific excellence as a tool to market high-added-value products
- Biopolis has three business lines: R&D services *a la carte*, industrial production of microorganisms, and out-licensing of our research developments



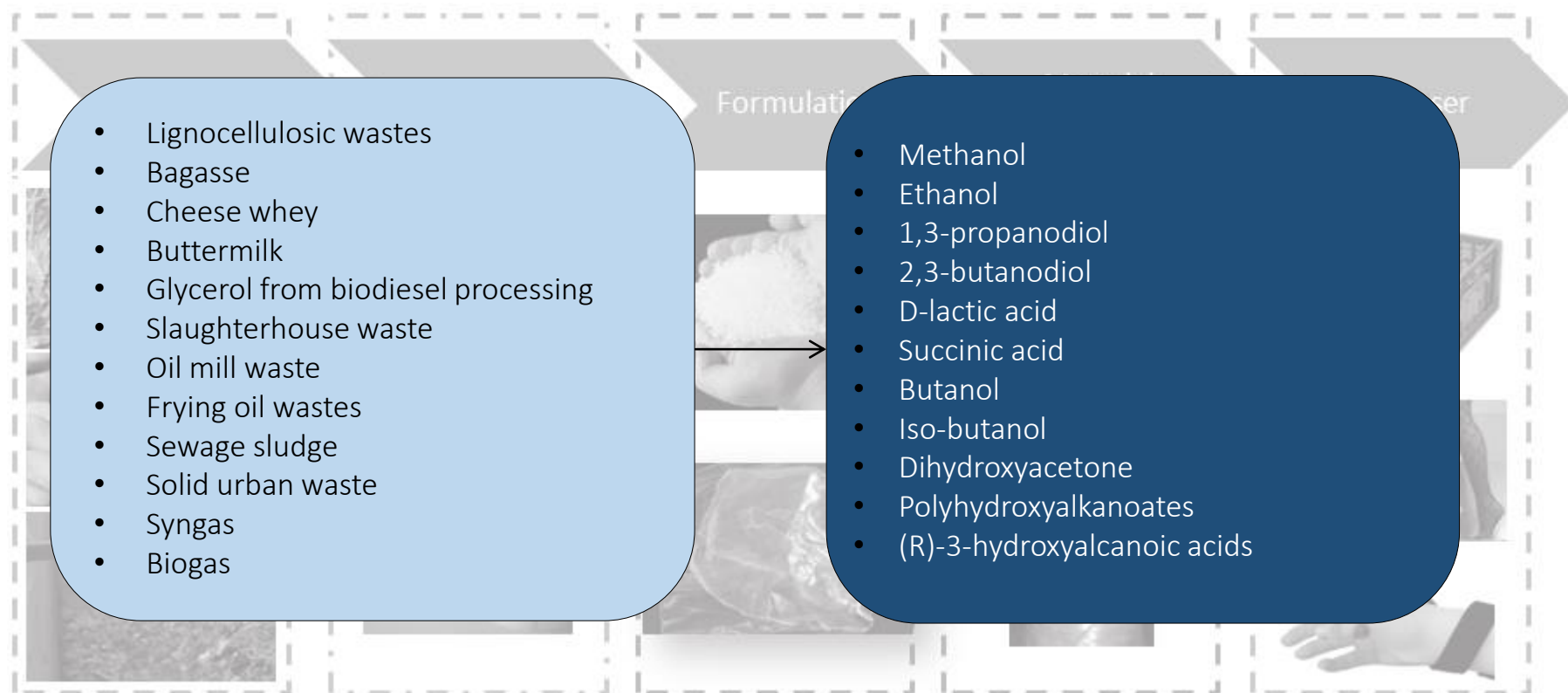
BIOPOLIS

Bioproduction of platform chemicals



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BIOPOLIS

BIOPOLIS is a full member and core team member of **Bio-Bases Industries Consortium (BIC)**.

BIC - a Public-Private Partnership on Bio-Based Industries
Established in 2012/2013 to represent the private sector
in the Public-Private Partnership on Bio-based Industries (BBI)



Main task to date:

- Define the BBI's Strategic Innovation and Research Agenda (SIRA)
- Lead the development of the draft anual BBI Work Plans and Call for Proposals topics
- Mobilise industry (large, SMEs, SME Clusters), research organisations, universities, regions and all relevant stakeholders across Europe that are active or interested in the field of bio-based



REFUCOAT

FULL RECYCLABLE FOOD PACKAGE WITH ENHANCED GAS BARRIER PROPERTIES AND NEW FUNCTIONALITIES BY THE USE OF HIGH PERFORMANCE COATINGS

[H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative \(BBI-JTI\)](#)



RefuCoat project aims to develop hybrid bio-based high oxygen/water barrier and active coatings to be used in a monolayer bio-based food packages (films and trays) from cereals industry by-products, and as alternative to current metallised and modified atmosphere (MAP) packages to avoid the use of non-renewable materials in multilayer structures that currently lead to complex and expensive recycling steps.



REFUCOAT

RefuCoat consortium is formed by 12 synergistic partners, 7 of them BIC members, reunites all actors in the value chain, SME partners (MIPLAST and IRIS), industrial partners (UNILEVER, MANOR, DACSA and BIOPOLIS), and RTO Partners (THUNEN, CIB-CSIC, AIMPLAS, EUFIC, Fraunhofer and AINIA)



AIMPLAS
PLASTICS TECHNOLOGY
CENTRE

ainia



Fraunhofer
ICT



THÜNEN



REFUCOAT

Biopolis' contribution

- **Definition of requirements and selection of raw materials**
Selection of by-products for middle chain PHAs (in collaboration with DACSA)
- **Production of GA and PHA middle chain from renewable resources**
Production of modified mcl-PHA (in collaboration with CSIC-CIB)
- **Environmental, regulatory and economic analyses**
- **Communication, Dissemination, Exploitation, Business plan and Technology transfer**
- **Project Management.**



MUCHAS GRACIAS

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