

Brokerage Event

Food Security | Sustainable Agriculture and Forestry |
Marine, Maritime and Inland Water Research |
Bioeconomy | KET-Biotechnology |

Brussels, 15th November 2017



AIMPLAS
PLASTICS TECHNOLOGY
CENTRE

Blue Growth + KET Biotechnology

Bioengineering of the genome of yeast and bacteria for
use in the production of products of industrial interest
by optimising their molecular pathways

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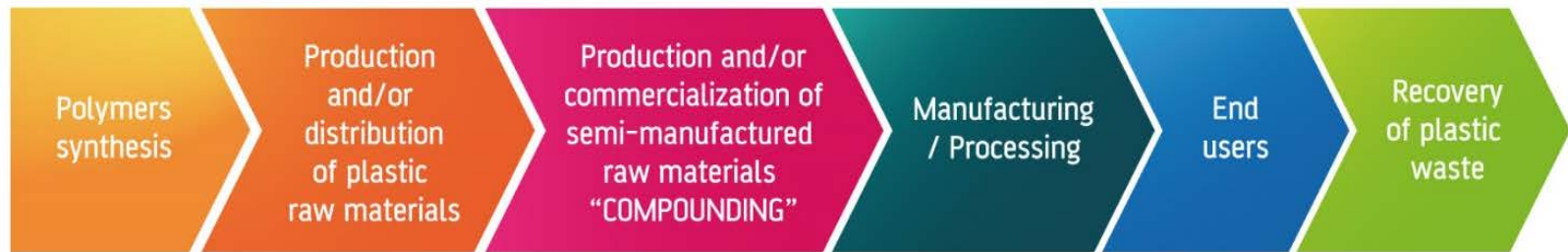
AIMPLAS



www.ncp-biohorizon.net

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- **AIMPLAS Plastics Technology Centre** is a private, non-profit association with more than 500 associated companies created in 1990.
- AIMPLAS has **8500 m² state-of-the-art facilities**, including thermoplastics and thermoset pilot plants (compounding, extrusion, injection, RTM, Infusion, pultrusion, ...), synthesis and testing laboratories (physical-mechanical, chemical, packaging, automotive and construction) and training areas.
- AIMPLAS has a **broad expertise** in the fields of petrol based plastic/composites, nanocomposites, nanoparticles functionalization, high performance coatings, 3D printing, printed electronics (plastronics), biopolymers and renewable source materials, etc.
- AIMPLAS has participated in **>100 projects**, coordinating 40% of them, in FP5, FP6, FP7, LIFE+, CIP-Ecolnnov., SUDOE, H2020, ... with a TRL 3 to 8.
- **AIMPLAS offers** global expertise across the whole plastics/materials value chain:



BIOTEC-03-2018: Synthetic biology to expand diversity of nature's chemical production (RIA)

Bioengineering of the genome of yeast and bacteria to be used in industrial processes in order to optimise molecular pathways.

Design & synthesis of naturally unavailable and efficient pathways for the production of chemicals for the **agricultural & material sectors, i.e.;**

1. Insect pheromones for pest management in agriculture using fermentation pathways with genetically engineered yeasts.
2. Production of lignin based biomonomers for the fabrication of polyamides or free-isocyanate polyurethanes by use of a combination of modified yeast and bacteria.
3. Production of lignin-based biomonomers for the encapsulation and controlled release of pheromones.

- ✓ A specialist in lignin (RTO, SME or IND)
- ✓ End-users in chemical and agriculture companies (SME or IND)
- ✓ A specialist in standardisation within synthetic biology (SME or IND)

And other potential partners with innovative proposals that fit the aims of the topic BIOTEC-03-2018 are welcome.

Other topics of interest for AIMPLAS

BIOTEC-02-2019: Boosting the efficiency of photosynthesis (RIA)

CE-SFS-25-2018: Integrated system innovation in valorising urban biowaste (IA)

CE-BG-06-2019: Sustainable solutions for bio-based plastics on land and sea (IA)

LC-RUR-11-2019-2020: Sustainable wood value chains (IA)

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