B4P No-Waste Polymers: Architected for performance, loaded with circularity

Fact Sheet

Project Information

B4PNOW

Grant agreement ID: 101010454

Project website

DOI
10.3030/101010454

Project closed

EC signature date
11 November 2020

Start date
1 December 2020

End date
30 November 2022

Funded under
PRIORITY 'Societal challenges

Total cost
€ 1 147 867,50

EU contribution
€ 803 507,00

Coordinated by
B4PLASTICS
Belgium

This project is featured in...

12 February 2024

Project description

New class of biopolymers sets the plastics industry on a path towards a greener future

B4P biopolymers, created by Belgium-based company B4Plastics, have beaten world records in strength versus degradation: despite being completely biodegradable in a controlled way, the biopolymers are designed for the highest mechanical strength, outcompeting non-degradable fossil materials such as traditional polymers like polyamides. The EU-funded B4PNOW project aims to move the technology from TRL 6 to 8 and launch two first proprietary polymer families. With support from the EIC, B4Plastics is in the race to become the first unicorn bioplastics company in the world in 2030, helping prevent millions of tonnes of plastic waste from leaking into the ocean.

Fields of science (EuroSciVoc)

natural sciences > biological sciences > **ecology**

natural sciences > chemical sciences > **polymer sciences**

natural sciences > earth and related environmental sciences > environmental sciences > **pollution**

social sciences > economics and business > economics > **sustainable economy**

engineering and technology > industrial biotechnology > biomaterials > **bioplastics**

Keywords

biobased | building blocks | bioplastics | polymerization | designed | customized | biodegradable | recyclable | value chain disruption business model microplastics waste reduction circular economy bioeconomy

Programme(s)

H2020-EU.3. - PRIORITY 'Societal challenges MAIN PROGRAMME

H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs

H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

Topic(s)

H2020-EIC-SMEInst-2020-4 - H2020-EIC Accelerator pilot –SME Instrument - Green Deal

Call for proposal

H2020-EIC-SMEInst-2018-2020

See other projects for this call

Sub call

H2020-EIC-SMEInst-2018-2020-4

Funding Scheme

SME-2 - SME instrument phase 2

Coordinator

B4PLASTICS

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Address

IQ-PARKLAAN 2A
3650 Dilsen-Stokkem
Belgium

SME

Yes

Region

Vlaams Gewest > Prov. Limburg (BE) > Arr. Maaseik

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Last update: 13 June 2023

Permalink: https://cordis.europa.eu/project/id/101010454