



AFTERLIFE

Project ID: 745737

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

Advanced Filtration TEchnologies for the Recovery and Later conversion of relevant Fractions from wastEwater

From 2017-09-01 **to** 2021-08-31, ongoing project

Project details

Total cost: EUR 4 180 166,38	Topic(s): BBI-2016-R01 - Valorisation of the organic content of wastewater as feedstock, contributing to the renewable circular economy
EU contribution: EUR 3 890 593,13	Call for proposal: H2020-BBI-JTI-2016 See other projects for this call
Coordinated in: Italy	Funding scheme: BBI-RIA - Bio-based Industries Research and Innovation action

Objective

AFTERLIFE proposes a flexible, cost- and resource-efficient process framed in the zero-waste and circular economy approach for the recovery and valorisation of the relevant fractions from wastewater. The first step of such process is an initial step consisting of a cascade of membrane filtration units for the separation of the totality of solids in wastewater. Then, the concentrates recovered in each unit will be treated to obtain high-pure extracts and metabolites or, alternatively, to be converted into value-added biopolymers (polyhydroxyalkanoates). Moreover, the outflow of the process is an ultra-pure water stream that can be directly reused.

The outcomes of the project will be focused on:

- Demonstration of an integrated pilot using real wastewater from three water intensive food processing industries (fruit processing, cheese and sweets manufacturing)
- Demonstration of the applicability of the recovered compounds and the value added bioproducts in manufacturing environments

The design and optimisation of the AFTERLIFE process following a holistic approach will contribute to improve performance and reduce the costs associated to wastewater treatment by maximising the value recovery.

Coordinator

EGGPLANT SOCIETA A RESPONSABILITA LIMITATA
VIA DON MINZONI 27
70044 POLIGNANO A MARE (BA)
Italy

Italy

EU contribution: EUR 334 687,50

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

[Contact the organisation](#)

Participants

OPTIMIZACION ORIENTADA A LA SOSTENIBILIDAD SL Spain
AVENIDA LEONARDO DA VINCI 18 PISO 2 **EU contribution:** EUR 250 750
41092 SEVILLA
Spain

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

[Contact the organisation](#)

AUSTEP-AUSTEAM ENVIRONMENTAL PROTECTION SPA Italy
VIA MECENATE 76/45 **EU contribution:** EUR 266 445
20138 MILANO
Italy

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

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BIO BASE EUROPE PILOT PLANT VZW Belgium
RODENHUIZEKAAI 1 **EU contribution:** EUR 636 750
9042 GENT
Belgium

Activity type: Other

[Contact the organisation](#)

CELABOR SCRL Belgium
AVENUE DU PARC 38 ZONING DE PETIT RECHAIN **EU contribution:** EUR 309 875,63
4650 HERVE CHAINEUX
Belgium

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

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L'UREDERRA, FUNDACION PARA EL DESARROLLO TECNOLOGICO Y SOCIAL Spain
ÁREA INDUSTRIAL PERGUITA C/A N°1 **EU contribution:** EUR 301 250
31210 LOS ARCOS
Spain

Activity type: Research Organisations

[Contact the organisation](#)

MI-PLAST DOO ZA PROIZVODNJU TRGOVINU I PRUZANJE USLUGA - MI-PLAST LLC Croatia
MANUFACTURING, TRADING AND SERVICES MIPLAST
MILUTINA BARACA 54 **EU contribution:** EUR 182 250
51000 RIJEKA
Croatia

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

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NOVA-INSTITUT FUR POLITISCHE UND OKOLOGISCHE INNOVATION GMBH Germany
Chemiepark Knapsack Industriestrasse **EU contribution:** EUR 265 000
50354 Huerth
Germany

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

[Contact the organisation](#)

Teknologian tutkimuskeskus VTT Oy Finland
VUORIMIEHENTIE 3 **EU contribution:** EUR 400 000
02150 Espoo
Finland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

[Contact the organisation](#)

AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS Spain
CALLE SERRANO 117 **EU contribution:** EUR 216 000
28006 MADRID
Spain

Activity type: Research Organisations

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CENTRO TECNOLOGICO NACIONAL DE LA CONSERVA Y ALIMENTACION Spain
CONCORDIA **EU contribution:** EUR 199 560
30500 MOLINA DE SEGURA
Spain

Activity type: Research Organisations

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NOVA ID FCT - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO DA FCT Portugal
CAMPUS DE CAPARICA FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE **EU contribution:** EUR 247 000
NOVA DE LISBOA
2829 516 CAPARICA
Portugal

Activity type: Research Organisations

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JAKE SA Spain
CARRETERA DE MADRID KM 376 **EU contribution:** EUR 93 825
30500 MOLINA DE SEGURA MURCIA
Spain

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

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HERITAGE 1466
RUE DE CHARNEUX 32
4650 HERVE
Belgium

Belgium

EU contribution: EUR 90 000

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

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CITROMIL SL
CRTA DE ABANILLA KM 1.6
30140 SANTOMERA MURCIA
Spain

Spain

EU contribution: EUR 97 200

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

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