### EU Cluster meeting on projects dealing with 'Marine Litter'

## **BIO-PLASTICS EUROPE**

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## **BIO-PLASTICS EUROPE**

Developing and Implementing Sustainability-Based Solutions for Bio-Based Plastic Production and Use to Preserve Land and Sea Environmental Quality in Europe

Coordinator: Hamburg University of Applied Sciences (HAW) Beneficiaries: 22 partners /13 countries Type of Action: IA (Innovation Action) EU contribution: € 8 117 529,63 Duration: 01/10/2019 – 30/09/2023





Project kicked-off in October 2019

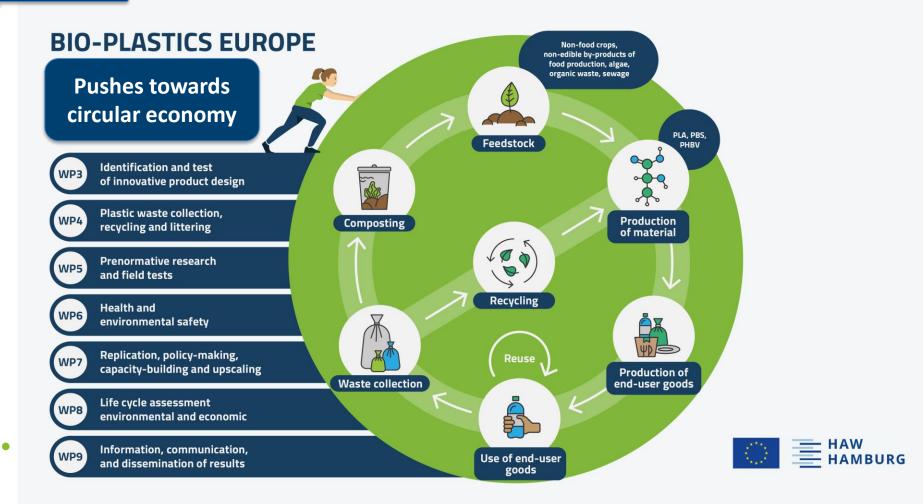


## The main objective:

To develop sustainable strategies and solutions for bio-based plastic products, as well as to develop approaches focused on circular innovation for the whole bioplastics system. These may be deployed to support policy-making, innovation and technology transfer.



01.06.2021



WPs



## EXPECTED RESULTS

**FOCUS** Cutlery, Soft and Rigid Packaging,

Agricultural Mulch Film, Toys and Aquatic Materials

#### **INNOVATIVE MATERIALS**

to foster and encourage deployment of innovative bio-based and biodegradable materials

#### **STAKEHOLDERS ENGAGEMENT**

to ensure strong commitment of producers, politicians, industrial and private consumers

#### **BUSINESS MODELS**

to experiment with innovative business models by incorporating circularity and sustainability to maximize the value of materials along the entire value chain

#### **SAFETY PROTOCOLS**

to ensure the safe use and end-of-life management on innovative bio-based plastics



## Results

**5 Prototypes by M18:** *The prototypes under development are:* 

- 1. BPE-SP-PBS ----- Soft Packaging
- 2. BPE-RP-PLA ----- Rigid Packaging + Fishing Crates
- 3. BPE-T-PHBV ---- Toys + Fishing Bait
- 4. BPE-AMF-PLA Agricultural mulch + Marine Geomaterial
- 5. BPE-C-PLA ----- Cutlery

FURCPF

ARTIC BIOMATERIALS - Finland

Selected polymers for the demo applications are polylactic acid (PLA), polybutylene succinate (PBS), and one type of polyhydroxyalkanoate (namely PHBV). All three are commonly produced from renewable sources.

WP3



WP5

- Samples prepared-received
- Test Protocols finished
- Tests started 1<sup>st</sup> of September 2020
- First preliminary results obtained 2021



HERE NOW!

MODIFICATION of the compounds after 1<sup>st</sup> round tests

Development of aquatic prototypes: BPE-FB-PHBV --- Fishing Baits BPE-MG-PLA ---- Marine Geomaterial BPE-FC-PLA ----- Fishing Crates

2<sup>nd</sup> round of TESTS

# EU Policy relevance of the Project

## **KEY** deliverables

- D5.2 Technical Report: biodegradable and compostable solutions supporting policymaking in research, innovation and technology with focus on the EU Plastic Strategy (M46)
- D5.4 Policy brief (M48 public)
- > D7.5 Guidelines and summary document for policy makers (M48)

## Contribution to the EU Policy

- Plastics strategy, Revision of current EU policies, Policy and Governance suggestions on the safety of bio-based and biodegradable plastics
- Indirect contribution to the EU Marine Strategy Framework Directive (MSFD)

\*\*\*Joint work with SEALIVE project – round table in March/2 joint events in June and October 2021\*\*\*



# Besides focusing on research....

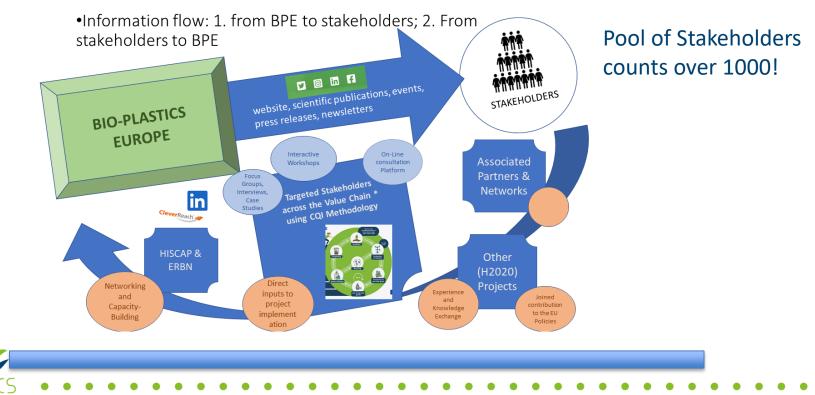




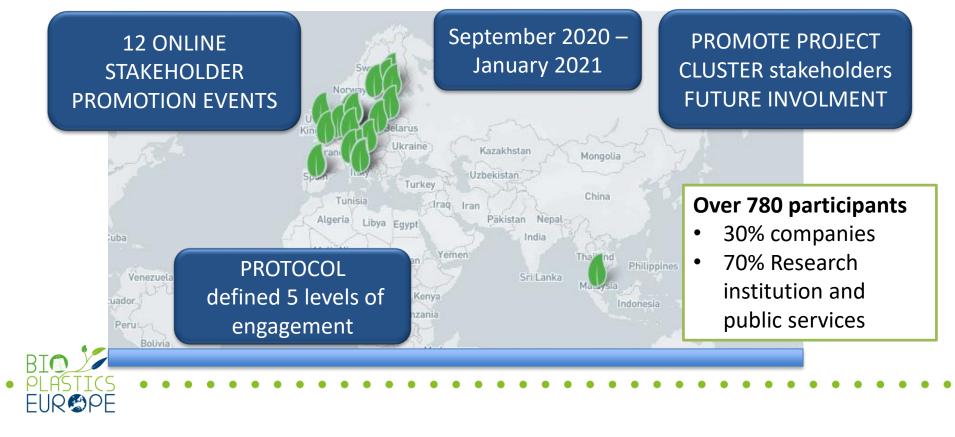


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# STAKEHOLDER ENGAGEMENT



# STAKEHOLDER ENGAGEMENT



Communication and Dissemination

BIO PLASTICS EUR©PE

# NETWORKS

4nd event 29<sup>th</sup> June

SUSTAINABLE SOLUTIONS FOR **BIO-BASED PLASTICS ON LAND AND SEA** 

**EUROPEAN BIOPLASTICS RESEARCH NETWORK** 

LinkedIn: over 400 members

**Connect cities Preparing events Exchange experience Offer solutions** 

4<sup>th</sup> event 12<sup>th</sup> October





SUSTAINABLE SOLUTIONS FOR **BIO-BASED PLASTICS ON LAND AND SEA** 

HISTORIC CITIES AGAINST **PLASTIC WASTE** 



**Preparing events Foster communication** Share experience

Networking ...

ILGU

#ZeroWasteCities

## ZER@ PLASTIC OCEANS.

# SEALŠVE

bioplastics

01.06.2021



EUR®PF



Costa edutainment experience



ACR+

# Upcoming events





"Opportunities and Constraints in EU policy for Bio-based and Biodegradable Plastics" (29<sup>th</sup> June) – joint event BIO-PLASTICS EUROPE and SEALIVE REGISTRATION IS OPEN: <u>https://bioplasticseurope.eu/news-events/eu-</u>

policy-bio-based-biodegradable-plastics-event



4<sup>th</sup> HISCAP EVENT:

"Plastic Waste Management of European Coastal Cities" (12<sup>th</sup> October) REGISTRATION OPENS in July: <u>https://bioplasticseurope.eu/news-events</u>



