
AIMPLAS
Excellence in plastics

What is AIMPLAS?

A **technology centre** with more than 30 years' experience in the plastic sector.

Our Purpose

Add value to companies to generate **wealth** and create **employment**.

Add value to society to improve quality of life and ensure environmental sustainability.

More than **12,000 m²** of cutting-edge facilities

- Pilot plants (6,500 m²)
- Laboratories (4,500 m²)

"Policy recommendations packaging regulations biomaterials "

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amartin@aimplas.es · **2nd December 2024**

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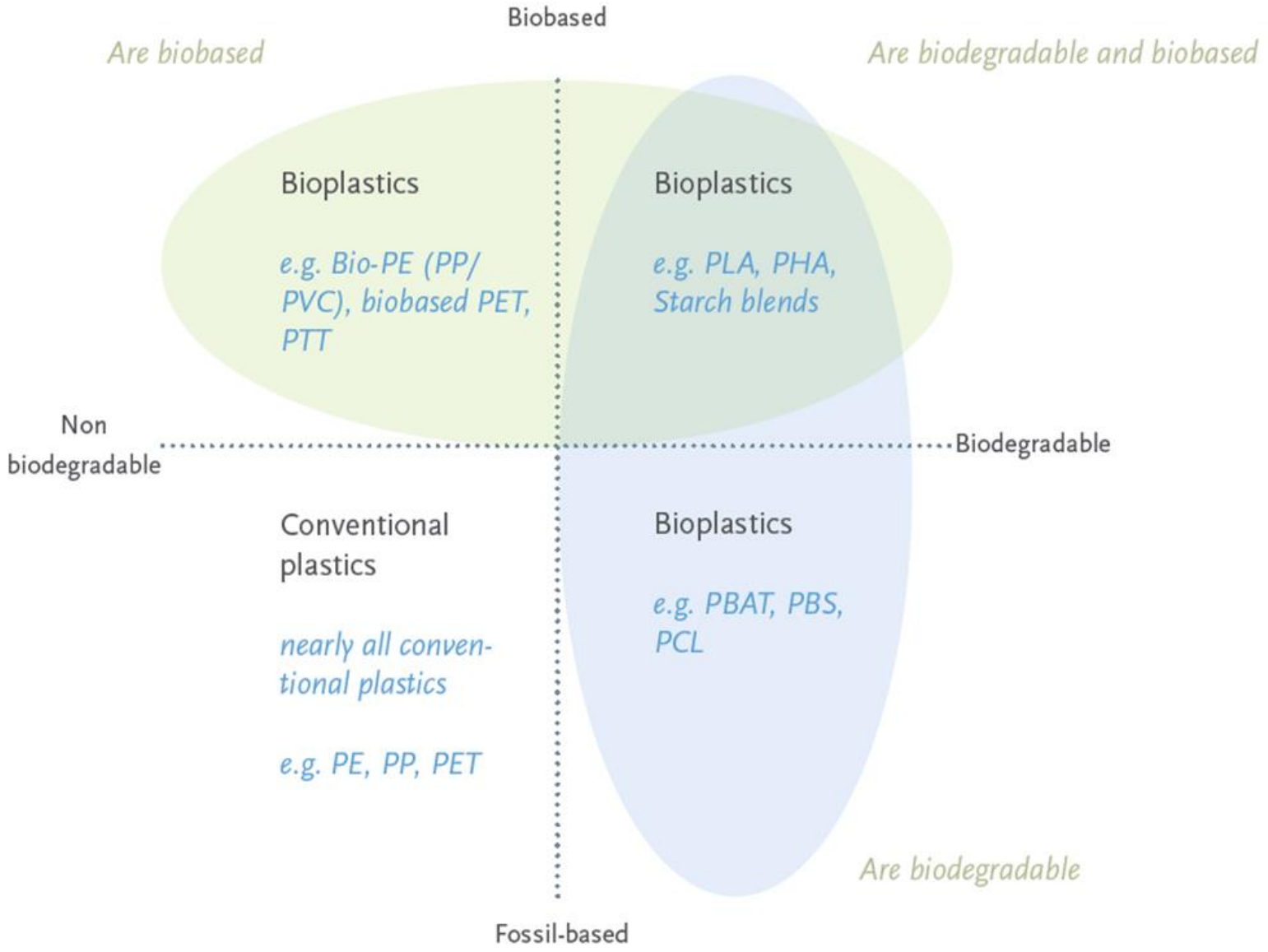
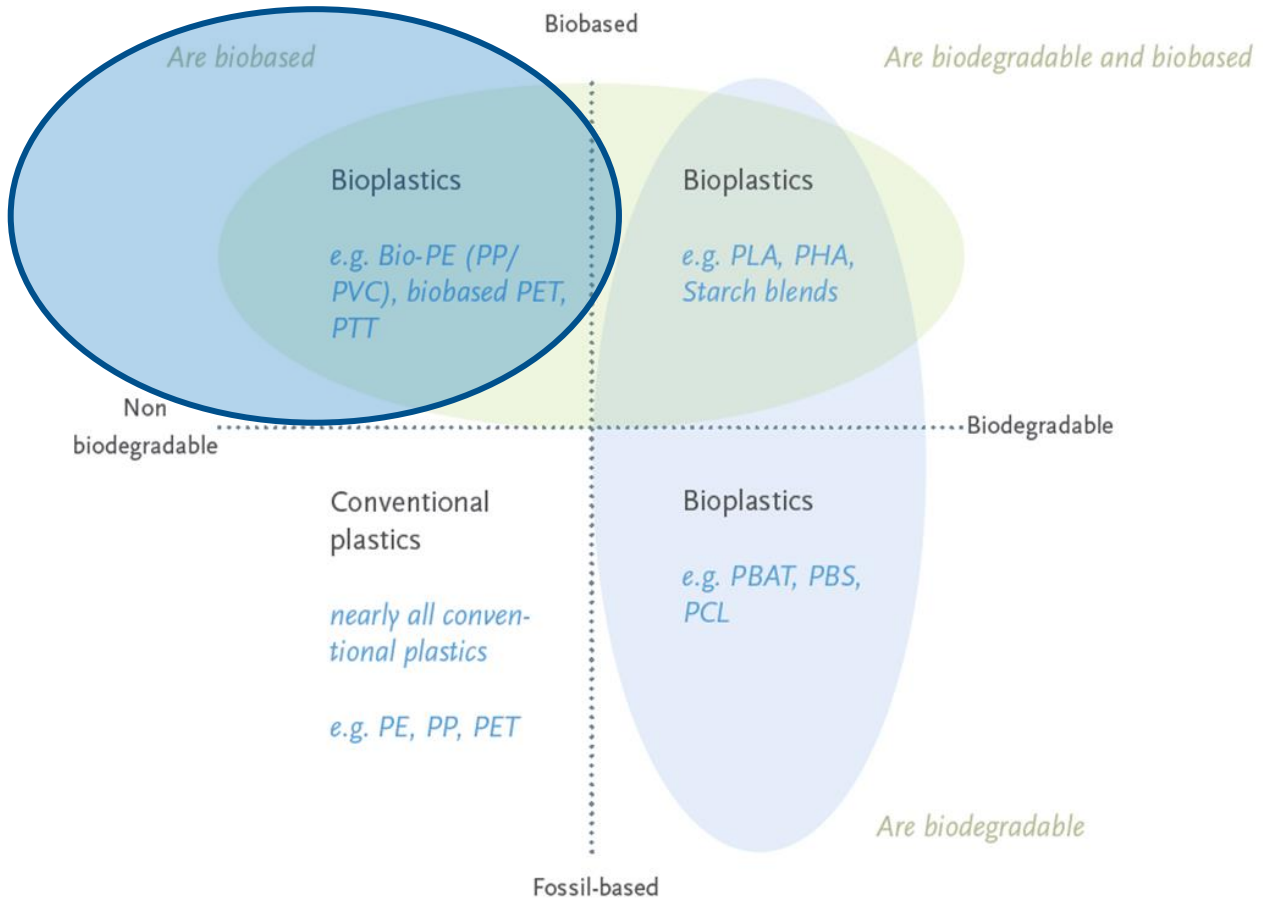
INTRODUCTION

Biomaterials



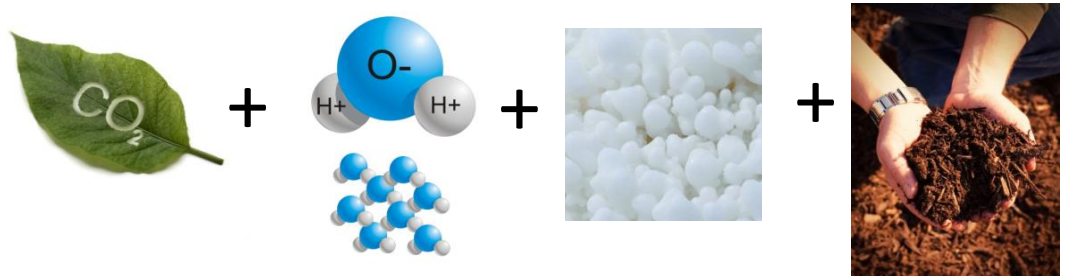
What is a bio-based, non-biodegradable plastic?

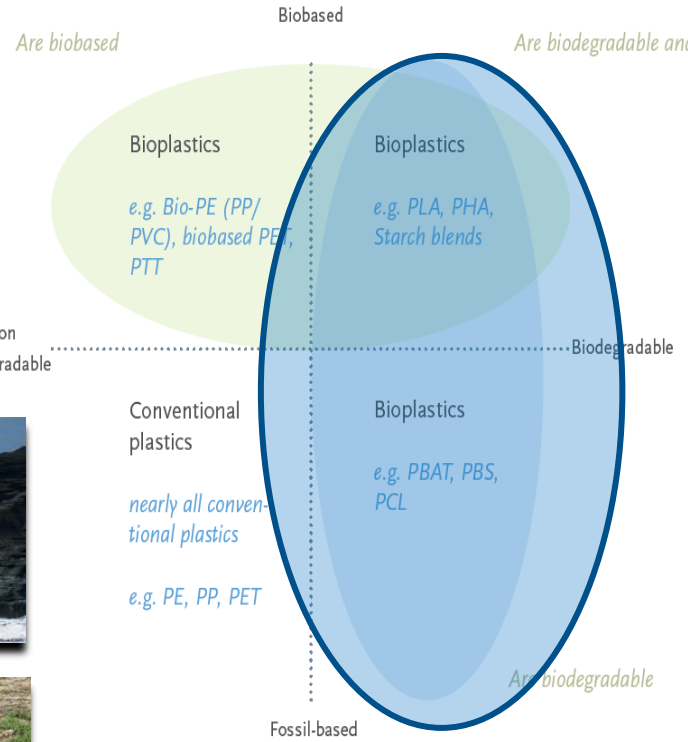
Bio-based counterparts to traditional ones would have a joint end of life with traditional flows →Conventional recycling techniques



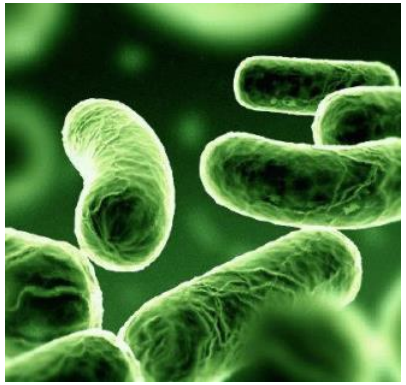
What is biodegradable plastic?

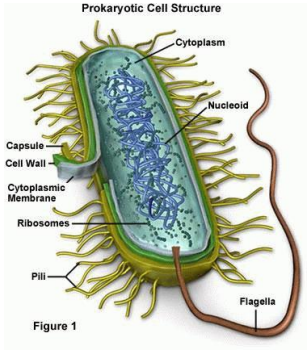
What?





Who?





Where?

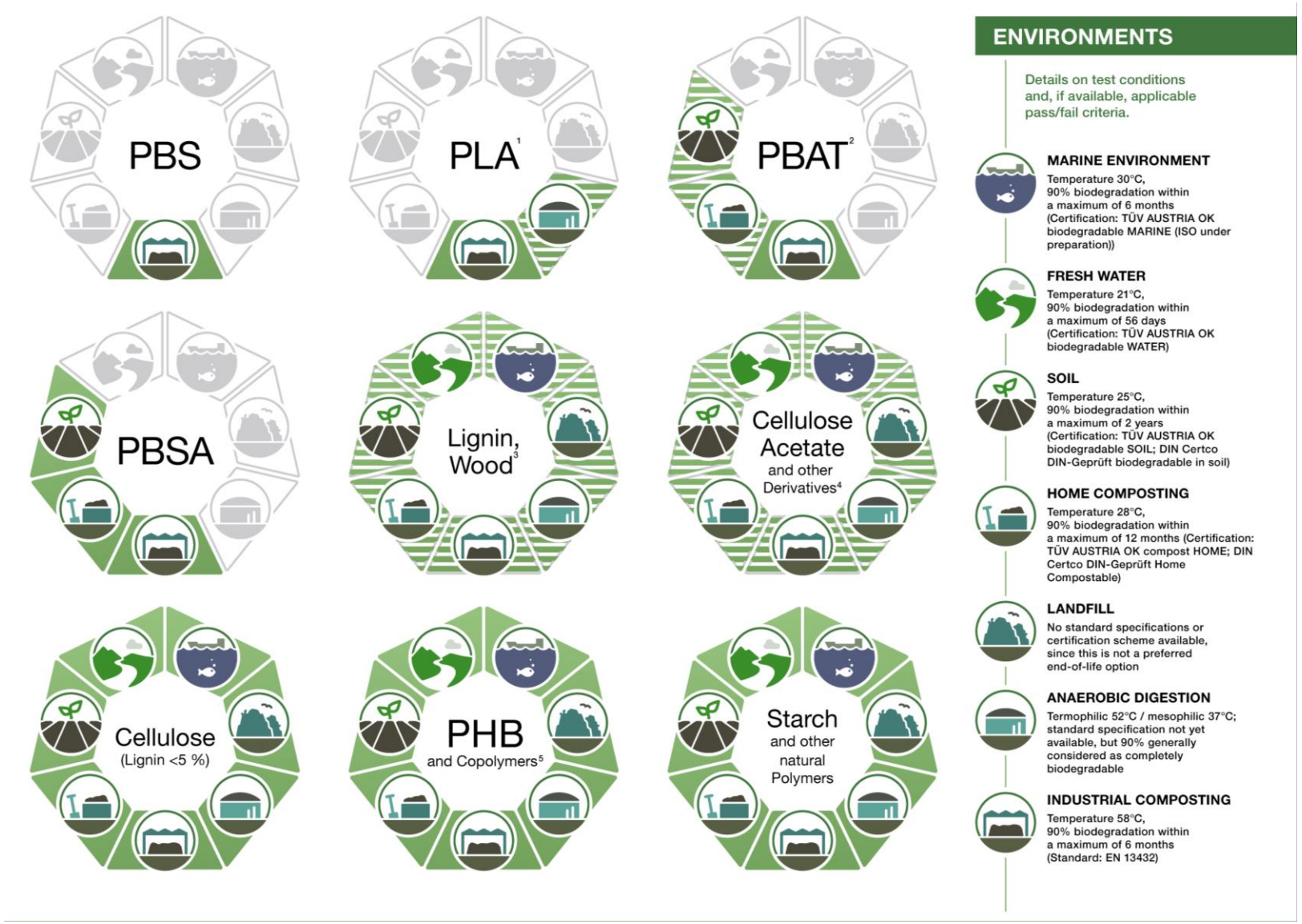
Biodegradability issues

- Biodegradability by itself does not add value and can be misinterpreted by the consumer…

…relaxing their commitment/obligation to THEIR waste…

- The priority is to avoid littering and to recover waste, through coordinated and realistic communication…
  - …in order to make the best use of resources and avoid pollution

Bioplastics family vs biodegradabily environment



Current EU regulatory framework

Bioplastics Regulatory Framework


EUROPEAN COMMISSION

Brussels, 30.11.2022
COM(2022) 677 final

2022/0396 (COD)

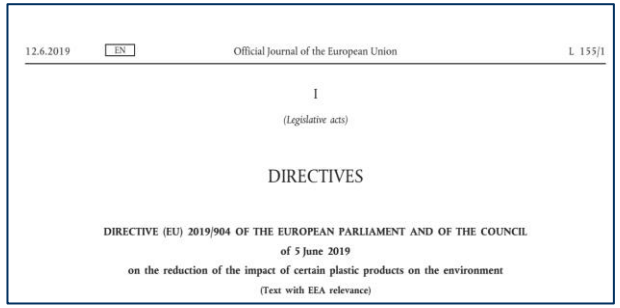
Proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on packaging and packaging waste, amending Regulation (EU) 2019/1020 and Directive (EU) 2019/904, and repealing Directive 94/62/EC

(Text with EEA relevance)

{SEC(2022) 425 final} - {SWD(2022) 384 final} - {SWD(2022) 385 final}


12.6.2019 EN Official Journal of the European Union L 155/1

I

(Legislative acts)

DIRECTIVES

DIRECTIVE (EU) 2019/904 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 5 June 2019
on the reduction of the impact of certain plastic products on the environment
(Text with EEA relevance)

Several policies, many of them related to the European Green Pact, have the potential to boost the role of bioplastics in the development of a truly circular bioeconomy, enabling innovation and attracting new investments. In order to contribute to the EU's ambitious climate goals, it is important that relevant legislation acknowledges the important role of bioplastics within a circular economy. In recent years, the European Union has made increasing efforts to introduce or adapt policies, regulatory frameworks and standards to strengthen and implement the bioeconomy and the circular economy in Europe, all of which affect the bioplastics sector in one way or the other.

Mainly for the packaging sector and composting or the use of renewable sources in other sectors.

Policy recommendations and conclusions

Ecolabels

The plastics sector maintains its competitiveness by continuously improving the environmental impacts of its products. The communication of these environmental improvements is key to promote the use of these environmentally friendly plastic products. Ecolabelling of products according to recognised schemes and based on international standards is the most recommended option for effective and reliable communication.

Bioplastics can be bio-based (bio-based) or end-of-life (compostable / biodegradable). However, simply because a product is made of such bioplastics does not guarantee that it meets this condition. To demonstrate this, there are environmental labels focused on these parts of its life cycle (origin or end-of-life), for which the testing requirements and characteristics described in the regulations and application schemes must be met.

ECOLABEL	MEDIUM	CONDITIONS
	Industrial composting	T high(< 58º C) Bacteria and fungi
	Home composting	T normal (20-30 ºC) Bacteria and fungi
	Soil	T normal (25 ºC) Bacteria
	Aqueous/ marine	T normal (>20 ºC) Diluted bacteria

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