

Plastics biodegradability: friend or foe?

Ioana Popescu | Senior Programme Manager | 16 June 2021

In a nutshell



international environmental NGO



technical expertise



network of members & experts



A terminology issue

• Plastics biodegradability – one concept but **many different**

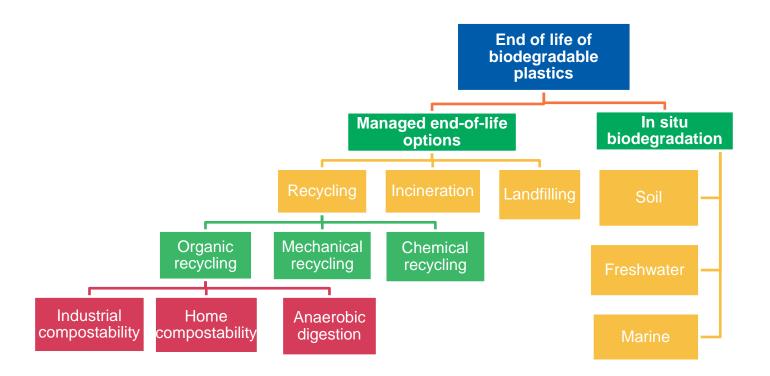
understandings

- Natural? Sustainable? Biobased? Organic?
- To be returned to the environment?
- Compostable? At home? In community composts? in
 - industrial facilities?
- Anaerobic digestion?



So which one is it?

• Biodegradability as a **characteristic/functionality**





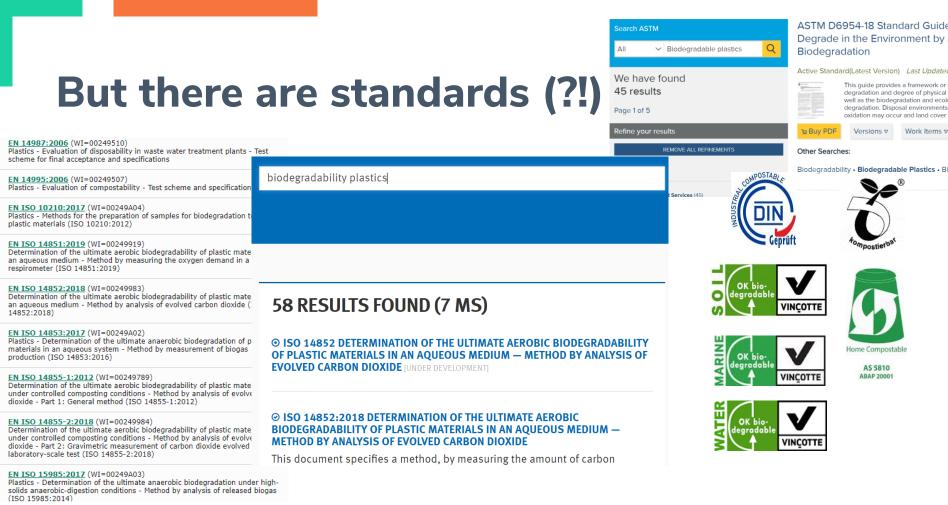
So which one is it?

- Biodegradability as a **product claim**
 - \rightarrow A licence to litter

@bryanMMathers







- Large number of standards & diverse in scope and ambition levels
- Voluntary in application
- All have shortcomings: representativity of real life conditions (T°, microorganisms, ...) and practices, pre-milling or flaking of products, choices possible within the standard (testing material or final product)

Clear and mandatory safeguards needed!

- Biodegradability is an **end of life** option
 - → **Does not** contribute to value retention
 - \rightarrow Not a solution to littering
 - → Should not rely on this functionality to solve waste management issues
- Biodegradability in the open environment:
 - **Scepticism** from civil society&industry alike
 - Provided solid, stringent, EU-recognised
 terminology, test methods & standard
 specifications are used, e.g. ECHA
 restriction
 - Only for **very niche** applications
 - Should not be allowed as product claim



Thank you

Ioana Popescu • Senior Programme Manager



Environmental Coalition on Standards

Mundo-b, the Brussels Sustainable House Rue d'Edimbourg, 26 1050 Brussels, Belgium +32 2894 4668 info@ecostandard.org

www.ecostandard.org







