

Webinar - 22 October, 12:00 CET

How to valorise Biowaste?

Learning about valorisation pathways developed by EU-funded projects



Co-funded by the European Union



What is bio-waste?



Restaurants, canteens, retailers, households

produce



Parks, green areas, gardens

produce

BIO-WASTE

=

FOOD AND KITCHEN WASTE

+

GREEN WASTE



European Waste Framework Directive (2018)



Food scraps, e.g. vegetables and fruit peelings



Grass cutting, fallen leaves, hedge and shrub trimmings



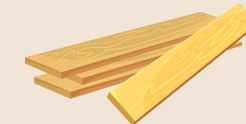
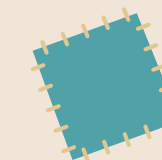
BIO-WASTE DOES NOT INCLUDE



Forestry and agricultural residues, manure

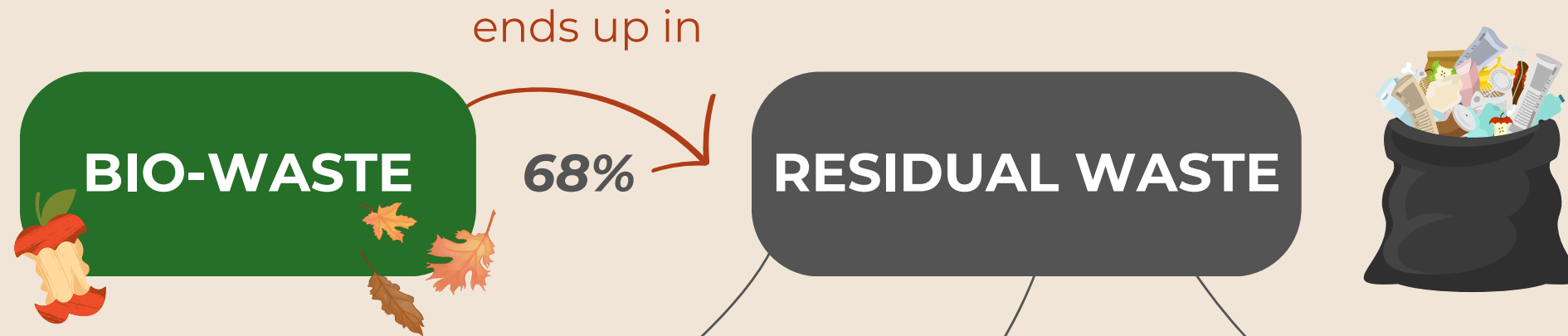


Sewage sludge



Other biodegradable waste (such as, natural textile, paper, processed wood)

WHEN BIO-WASTE IS MISMANAGED



1/3 of our residual bin is bio-waste

LANDFILL

emits methane

a major greenhouse gas responsible for 0,5° of the current global warming

The block contains an illustration of a landfill with a recycling symbol and an arrow pointing to a globe with 'CH4' written on it.

Sorting and recycling bio-waste can reduce methane emissions from landfills by **62%**.

INCINERATION

emits pollutants

burns nutrients

Energy production: not a priority over recycling

The block contains an illustration of a factory with smokestacks and a green waste truck.

MECHANICAL BIOLOGICAL TREATMENT (MBT)

Bio-waste separated from residual waste **after** collection

quality: not optimal
-> output only acceptable for landfill

The block contains an illustration of a magnifying glass over a circular icon with wavy lines.

WHEN BIO-WASTE IS WELL MANAGED

It should first and foremost be **prevented and reduced** to the minimum!

Avoided waste

PREVENTION

reduction of waste

Non-waste

RE-USE

redistribution, re-processing

RECYCLING

e.g. into soil improvers

RECOVERY

energy production

Waste

DISPOSAL, LANDFILL

Most preferable

Least preferable

When not preventable nor reusable:

INEVITABLE BIO-WASTE

should be

SEPARATED AT SOURCE

separate bins

*recycled at source:
home composting or
community composting
(local level / small scale)*

It is the law!



Waste Framework Directive

door to door or drop-off

SEPARATELY COLLECTED

*centralised and recycled:
(industrial, large scale level)*

VALORISATION PATHWAYS





VALORISATION PATHWAYS ACCORDING TO...



Bin2Bean



FENIX

soilutions



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the European Union