

ISWA Working Group
**Biological Treatment
of Waste**



February 2024, Online
Presenter: Jane Gilbert

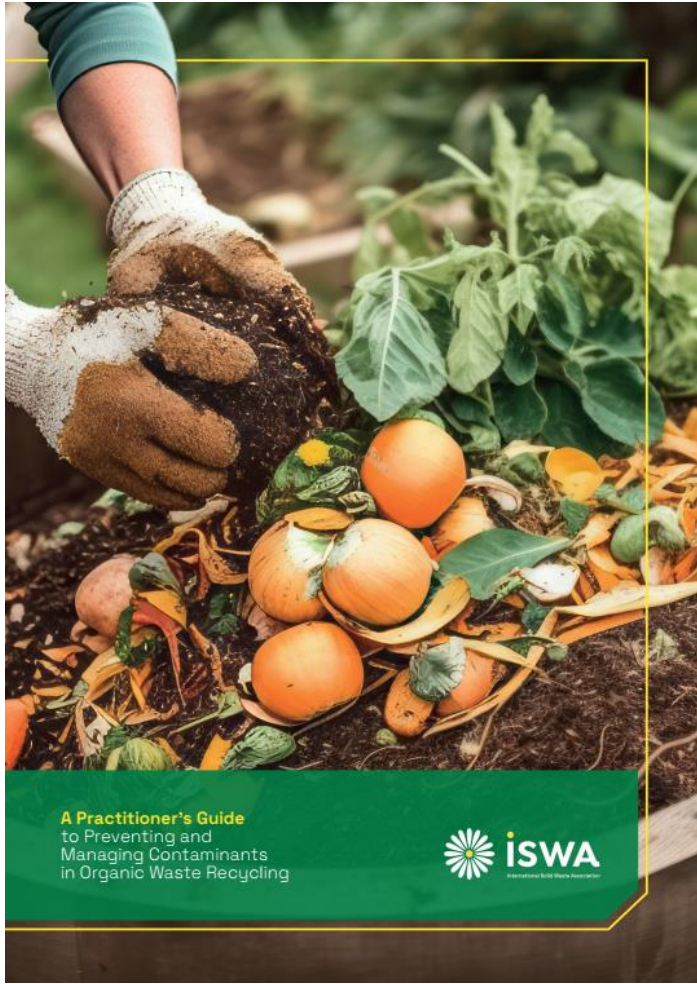
Preventing and Managing Contaminants in Organic Waste Recycling



About ISWA

- Awaiting summary slide from the GS

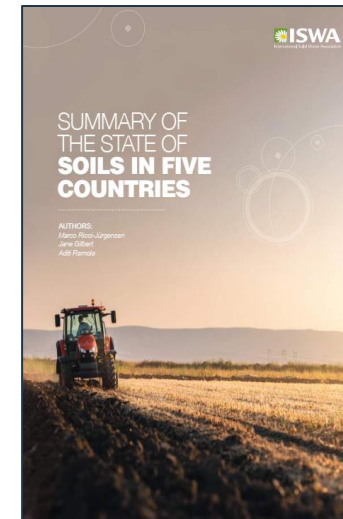
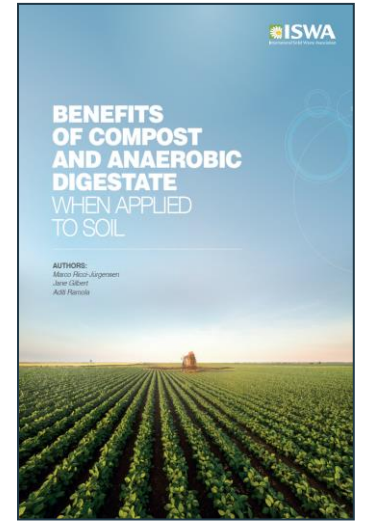
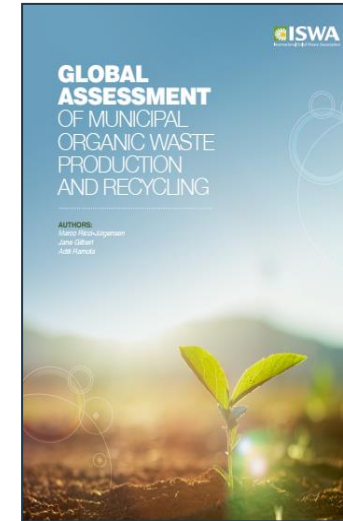
Introduction



ISWA's **Working Group** on the **Biological** **Treatment of Waste:**

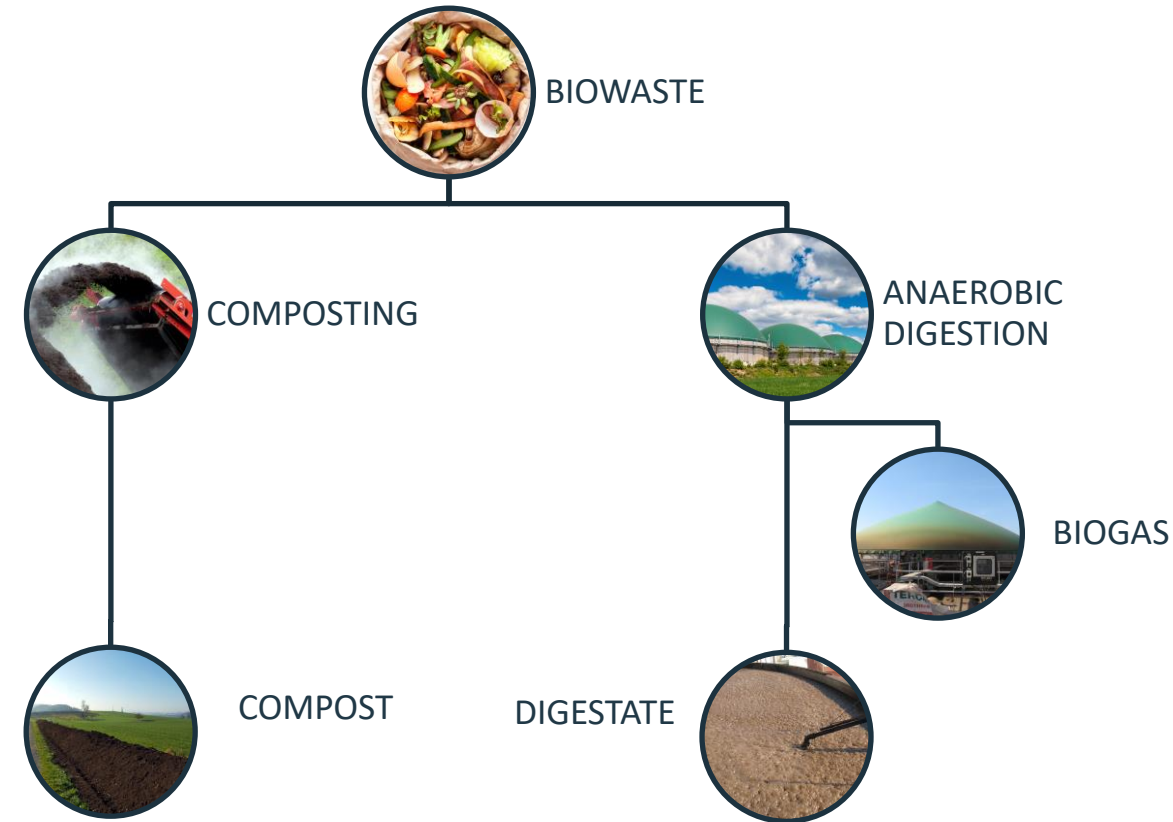
Published documents on
soil & contamination

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www.iswa.org/biological-treatment-of-waste

Why is it important?



This is why it's important



Types of Contaminants

PHYSICAL



CHEMICAL



BIOLOGICAL



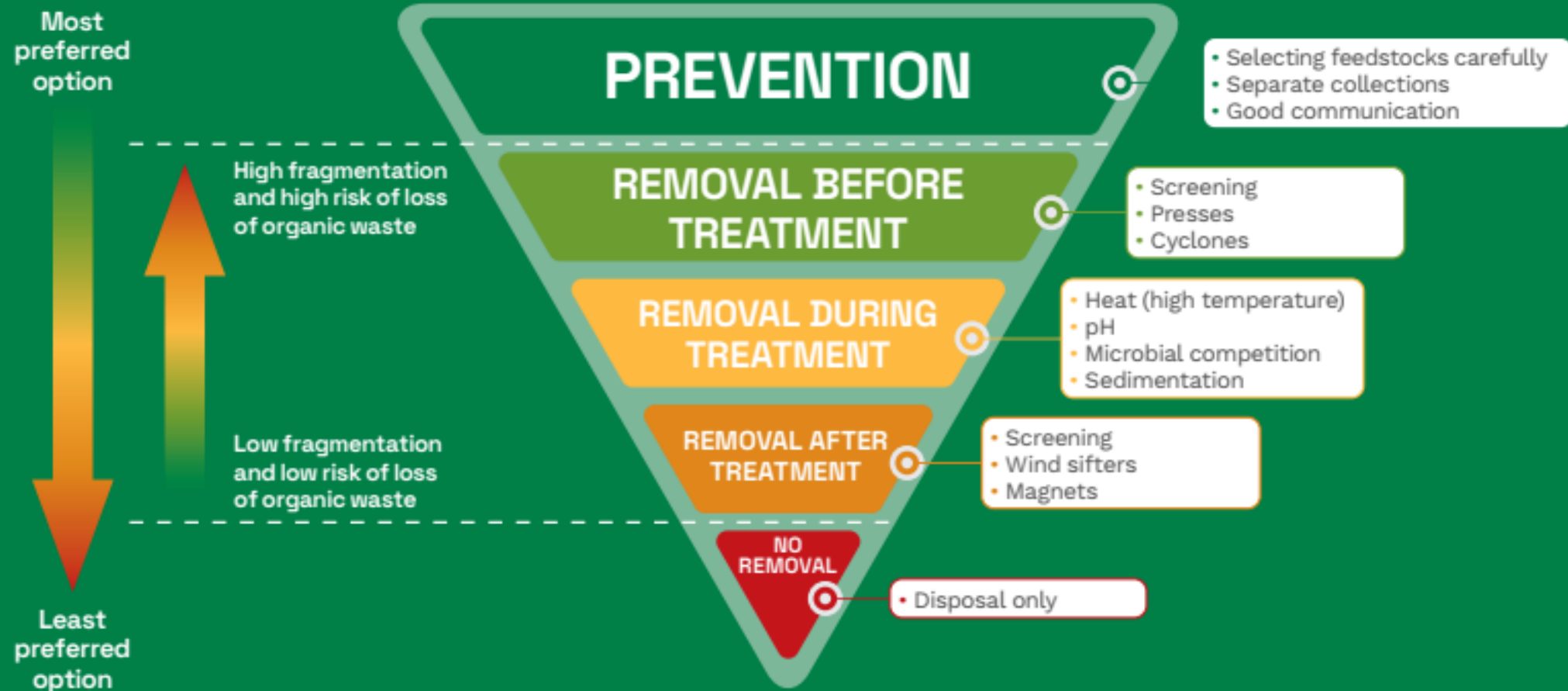
Physical contaminants

- Plastics
 - Hard plastics
 - Film
- Metals
- Glass
- Stones



Contamination hierarchy

The contaminant management hierarchy



Prevention

Type of collection scheme

- Pick-up (also called kerbside or door-to-door schemes) perform better than bring schemes (e.g. roadside container or underground schemes).

Type of collection tools

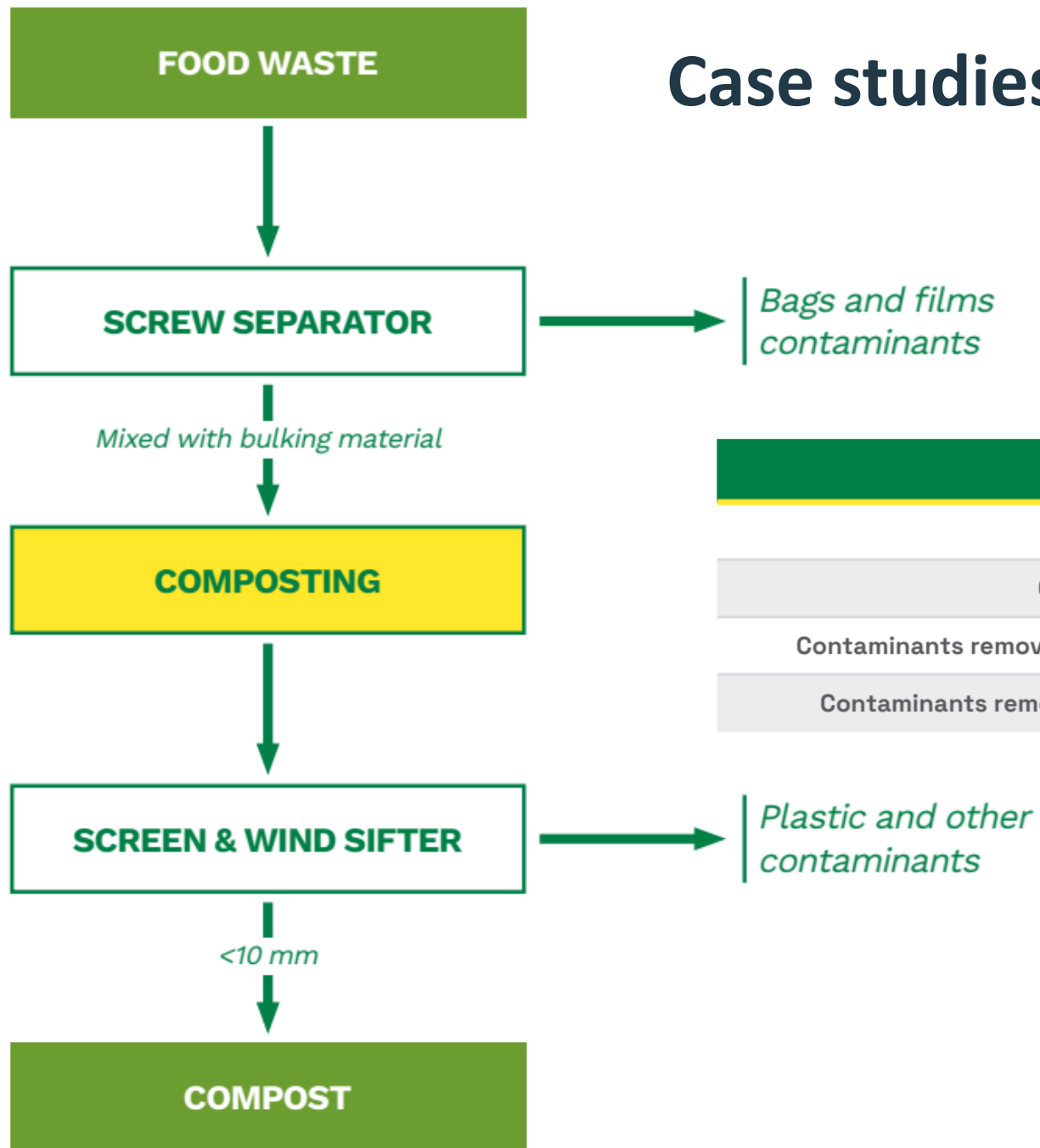
- The use of certified compostable plastic or paper liners perform better than conventional polyethylene plastic liners.

Public awareness initiatives

- Communication campaigns and awareness initiatives improve understanding and behaviour of waste producers in sorting organic wastes correctly.

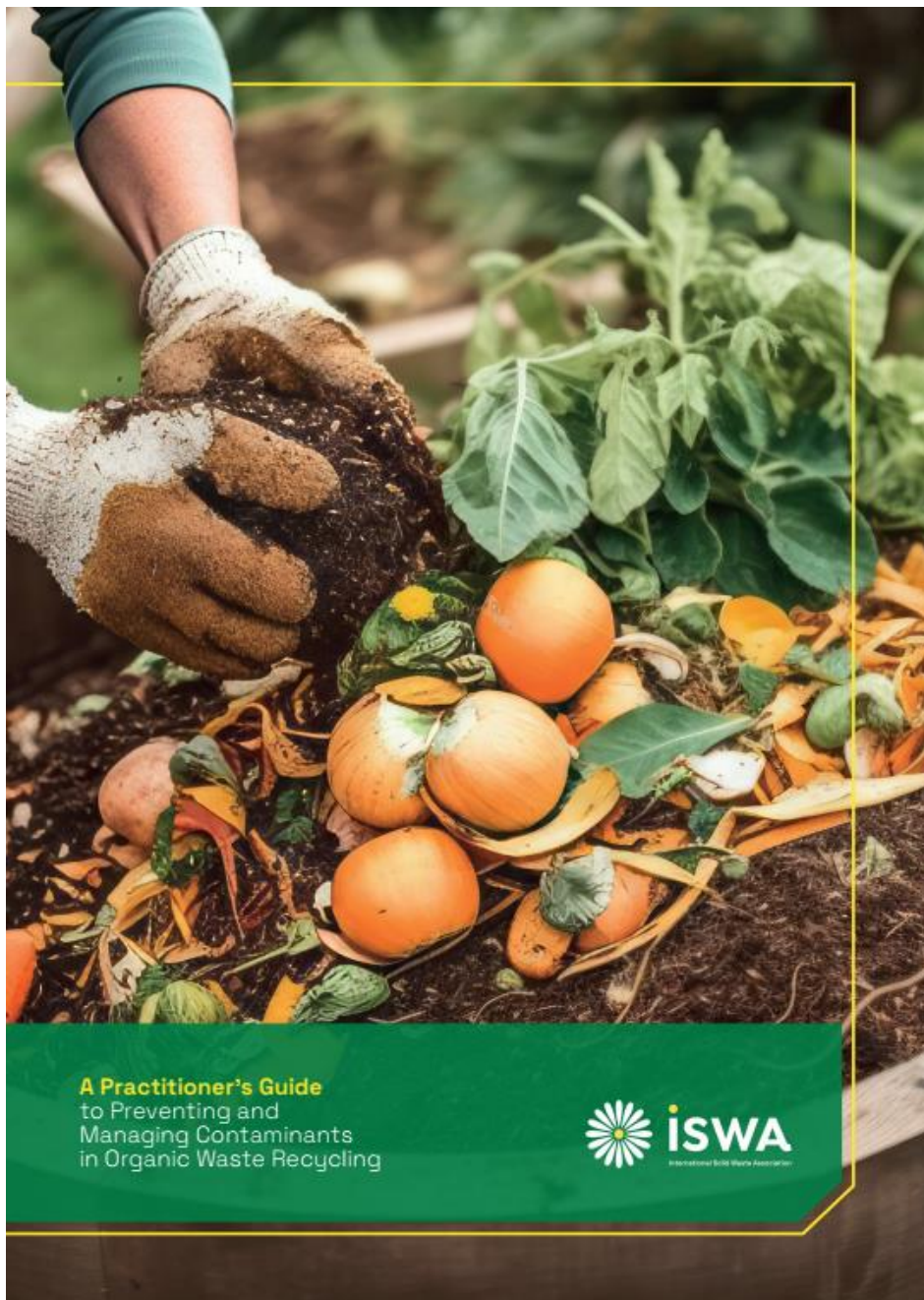


Case studies



Composting facility – IT – key data

Input: Food waste	32,000 tonnes/annum
Contaminants in input	1,184 tonnes/annum
Contaminants removal (data on plastics) during pre-treatment	92%
Contaminants removal (data on plastics) after composting	5%



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iSWA
International Solid Waste Association

Thank you



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