

Waste Pre-Treatment



EPA Landfill Workshop

21st % 22nd October 2009, Athlone

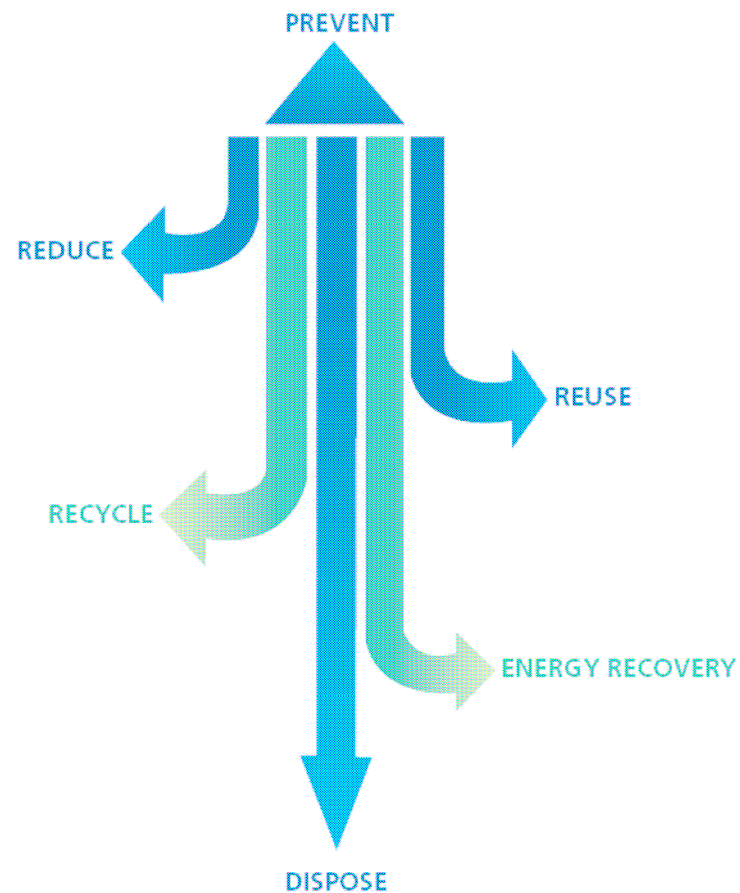
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The National & EU Architecture of change



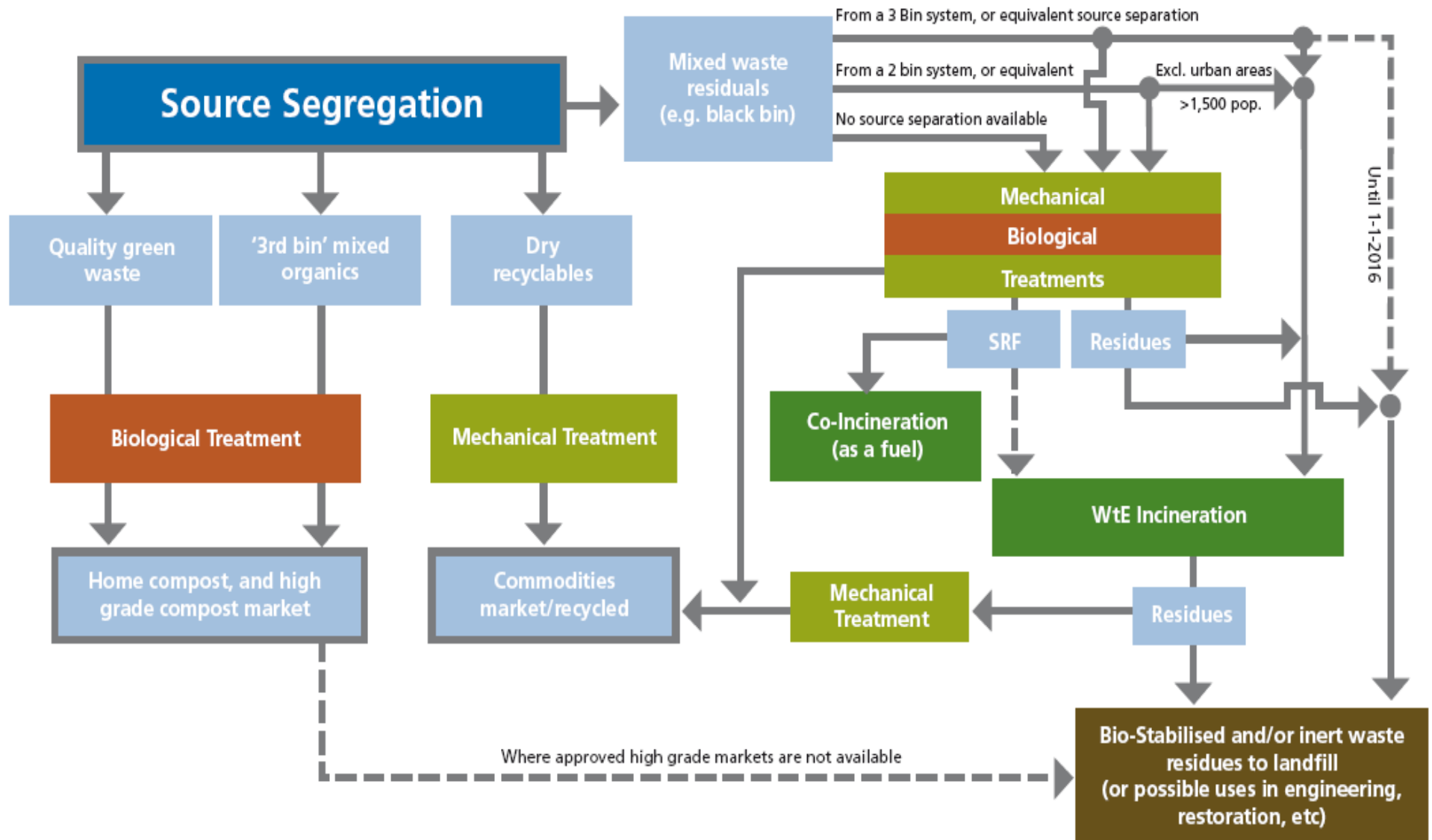
Why Pre-treat before landfill and incineration?

- EU Obligations
 - BAT
 - Waste Directive
 - Landfill Directive
 - Climate Change
- Valuable resources in waste
- Operational and aftercare considerations
- Land-take (landfill)
- Etc.,

Recytals 8, 16 & 17 of the Landfill Directive

- Whereas both **the quantity** and hazardous nature **of waste intended for landfill should be reduced where appropriate; whereas the handling of waste should be facilitated and its recovery enhanced**; whereas the use of treatment processes should therefore be encouraged to ensure that landfill is compatible with the objectives of this Directive; whereas sorting is included in the definition of treatment.
- Whereas measures should be taken to **reduce the production of methane** gas from landfills, *inter alia*, in order to reduce global warming, through the **reduction of the landfill of biodegradable waste** and the requirements to introduce landfill gas control.
- Whereas the measures taken to reduce the landfill of biodegradable waste **should also aim at encouraging the separate collection of biodegradable waste**, sorting in general, recovery and recycling.

Separate Collections



Biodegradable waste Targets to Landfill

BMW Landfill Obligations

Year	Landfill Directive Obligations	Maximum quantity allowed to be landfilled (tonnes)
2010	75% of quantity generated in 1995	967,433
2013	50% of quantity generated in 1995	644,955
2016	35% of quantity generated in 1995	451,469

Figure 3: National obligations for BMW diversion from landfill (Source: EPA⁶)

Revised
1995 base
year targets

July 2010	916,000 †
July 2013	610,000 †
July 2016	427,000 †

- 5%

Next Steps

- Licence Reviews
- Publication of 2008 NWR, and revision of 40% diversion target for 2010 if appropriate.
- Waste stream testing and characterisation protocols (RPS)
- Quarterly reporting procedure (ENVIROS)
- Further refinement of biodegradable content statistical methods
- Better handle on actual character of waste entering a landfill
- Continued engagement with industry