

Solid waste accounting

Sokol Vako

United Nations Statistical Institute for Asia and the Pacific

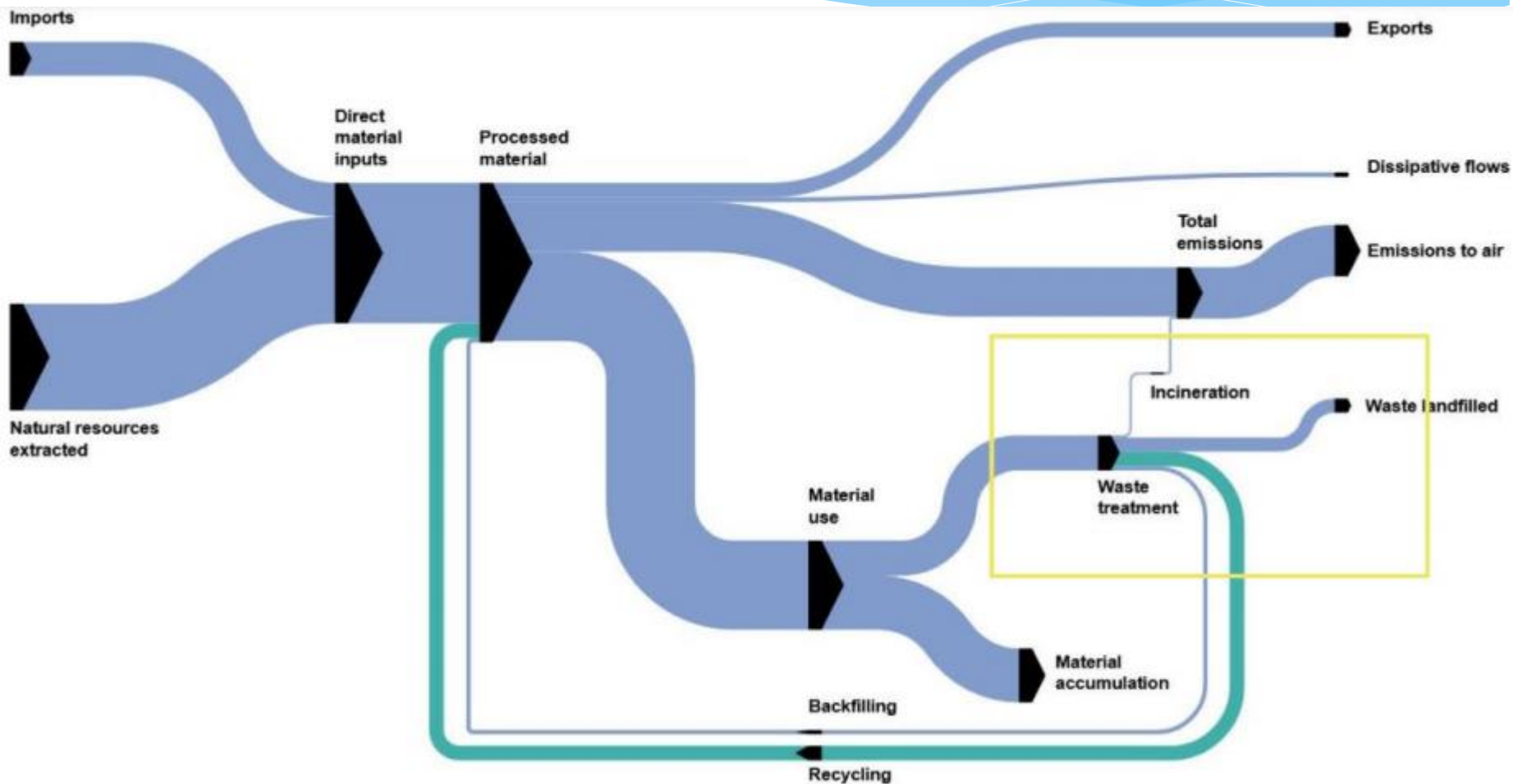
What is the relationship between solid waste and climate change and biodiversity?

- Recall that generation and management of solid waste leads to GHG emissions
- Solid waste can cause pollution and negatively impact ecosystems and biodiversity

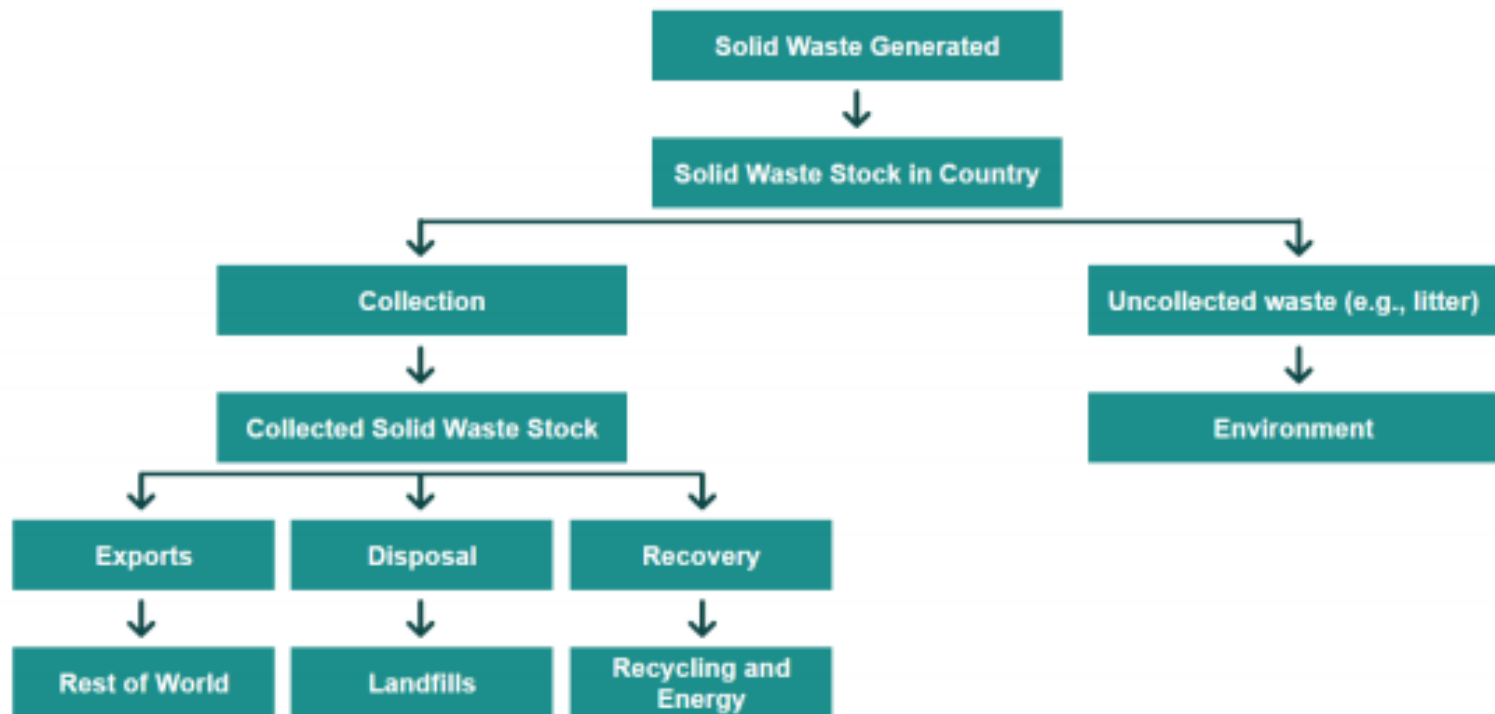
What are we measuring

- * Solid waste covers discarded materials that are no longer required by the owner or user.
- * Where the unit discarding the materials receives no payment for the materials, then the flow is considered a residual flow of solid waste.
- * Where the unit discarding the materials receives a payment but the actual residual value of the material is small—for example, in the case of scrap metal sold to a recycling firm—this flow is considered a product flow of solid waste.
- * Note that sale of used products is not part of solid waste (for ex. sale of used car where the buyer will use the car for driving)

Waste accounts focus on one area of material flows



Simplified schematic of solid waste flow



Categories within tables may vary depending on national priorities

- No international classification standard for waste types

Chemical and health-care waste

Radioactive waste

Metallic waste

Non-metallic recyclables

Discarded equipment and vehicles

Animal and vegetal wastes

Mixed residential and commercial wastes

Mineral wastes and soil

Combustion wastes

Other wastes

Categories within tables may vary depending on national priorities

- No international classification standard for waste types
- Industry disaggregation may be important
- Plastic waste has been focus in several countries

Supply and use tables for waste track residuals and products separately

Physical supply table for solid waste		Generation of solid waste					Rest of the world	Flows from the environment	Total supply
		Waste collection, treatment and disposal industry				Other industries			
		Landfill	Incineration	Recycling and reuse	Other treatment		Imports of solid waste	Recovered residuals	
		Total	Of which: Incineration to generate energy						
Generation of solid waste residuals									
	Chemical and healthcare waste								
	Other wastes								
Generation of solid waste products									
	Chemical and healthcare waste								
	Other wastes								
Physical use table for solid waste		Intermediate consumption; Collection of residuals				Final consumption	Rest of the world	Flows to the environment	Total use
		Waste collection, treatment and disposal industry							
		Landfill	Incineration	Recycling and reuse	Other treatment	Households	Exports of solid waste		
		Total	Of which: Incineration to generate energy						
Collection and disposal of solid waste residuals									
	Chemical and healthcare waste								
	Other wastes								
Use of solid waste products									
	Chemical and healthcare waste								
	Other wastes								