



Session 4: UNSD Methodology for Calculating Hazardous Waste

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Management of Hazardous Waste

- **Definition:** Hazardous waste refers to the categories of waste to be controlled according to the Basel Convention on the control of transboundary movements of hazardous waste and their disposal.



Basel Convention

- Basel Convention on the control of transboundary movements of hazardous wastes and their disposal
- Adopted in Basel in March 1989
- Entered in force on 5 May 1992
- Today - 170 parties

<http://www.basel.int/text/con-e-rev.pdf> (English)



Table R2: Management of Hazardous Waste

Line	Category	Unit
1	Stock of hazardous waste at the beginning of the year	tonnes
2	Hazardous waste generated during the year	tonnes
3	Hazardous waste imported during the year	tonnes
4	Hazardous waste exported during the year	tonnes
5	Hazardous waste treated or disposed of during the year	tonnes
	<i>Amounts going to:</i>	
6	Recycling	tonnes
7	Incineration	tonnes
8	Landfilling	tonnes
9	Other, please specify in the footnote	tonnes
10	Stock of hazardous waste at the end of the year (=1+2+3-4-5)	tonnes



Table R2: Diagram

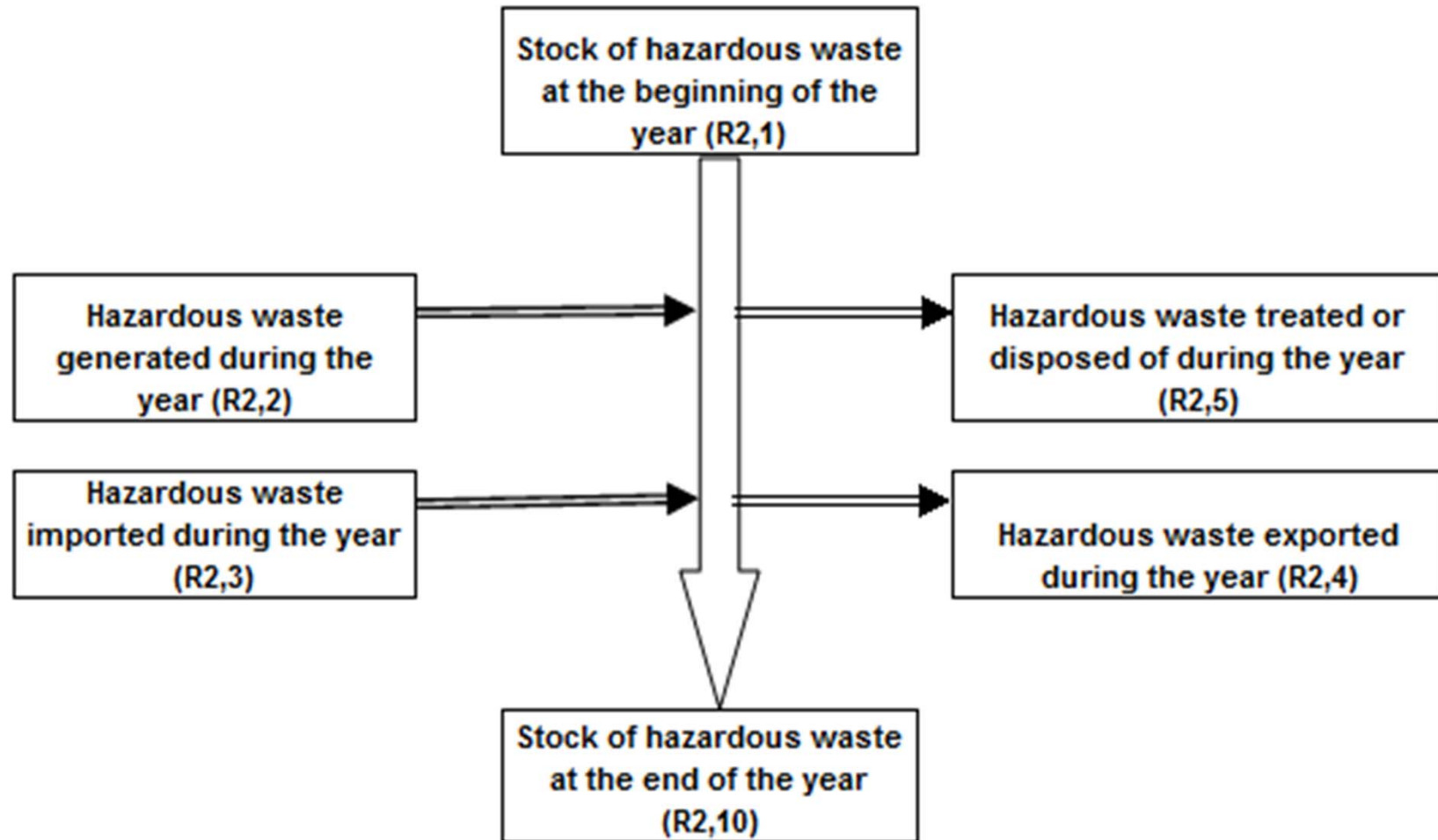




Table R2: Balance approach

Why the balance approach?

- Hazardous waste can be accumulated throughout the years without final treatment or disposal. Hazardous waste generated in a given year will not necessarily be treated in the same year; while hazardous waste treated in a given year might have been generated in earlier years. We want to know the accumulated amount of hazardous waste that needs some kind of treatment.
- Out of the 18 countries, 8 countries provided data on the stock of hazardous wastes at the beginning and at the end of the year (7 countries did not provide these data and 3 countries did not respond to the Questionnaire).



Table R2: Data Validation and Main Issues (contd).

- Some countries put the values for Stock at the beginning of the year (line 1) into Hazardous waste generated during the year (line 2).
- Stock of hazardous waste at the beginning of the year = Stock of hazardous waste at the end of the previous year, $\text{Line } 1_{t-1} = \text{Line } 10_t$
- In principle, the sum of the amounts of hazardous waste going to: 'Recycling' + 'Incineration' + 'Landfilling' + 'Other' should be equal to the amount of 'Hazardous waste treated or disposed of during the year', $5 \approx 6+7+8+9$.



Table R2: Data Sources

- National inventory of hazardous waste producers
- Regular reporting by these producers
- National inventory of treatment facilities
- Regular reporting by these treatment facilities
- Reporting on import/export of hazardous waste



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Thank you.

Any questions?