

82nd session of the Working Party on Noise and Tyres



Environmentally sound management of waste pneumatic tyres



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Key global agreements on hazardous chemicals and wastes

- The **Basel Convention** on the Control of Transboundary Movements of hazardous wastes and their Disposal
 - Adopted in 1989; 191 Parties
- The **Rotterdam Convention** on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade
 - Adopted 1998; 167 Parties
- The **Stockholm Convention** on Persistent Organic Pollutants
 - Adopted 2001; 186 Parties



BASEL | ROTTERDAM | STOCKHOLM
CONVENTIONS





Basel Convention scope



- Wastes defined as hazardous according to the Convention (Annexes I and VIII) or national legislation:
 - Annex I covers 18 waste streams (e.g clinical wastes) and 27 constituents (e.g cadmium compounds)
 - Annex VIII are waste types presumed to be hazardous e.g waste lead acid batteries)
- Wastes deserving special consideration (Annex II) e.g household waste
- Amendments to Annexes according to Articles 17 and 18 to the Convention, following proposal by a Party

Three pillars of the Basel Convention



REGULATE TRANSBOUNDARY
MOVEMENTS OF CONTROLLED
WASTES = **PRIOR INFORMED
CONSENT (PIC)** PROCEDURE



PROMOTE ENVIRONMENTALLY
SOUND MANAGEMENT OF
CONTROLLED WASTES



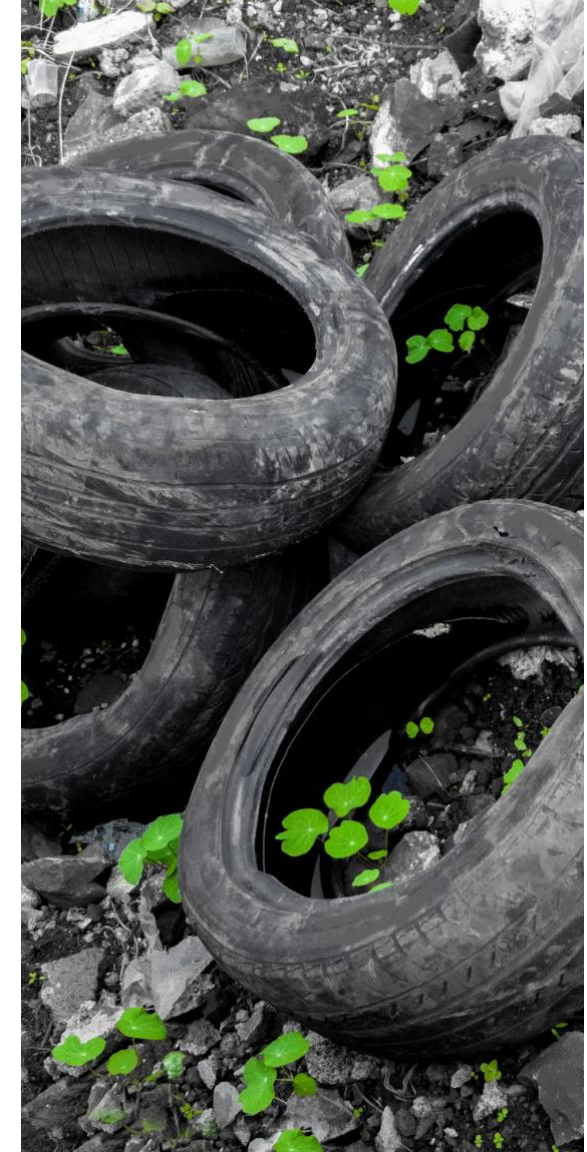
PROMOTE PREVENTION AND
MINIMIZATION OF
CONTROLLED WASTES



Technical Guidelines for the Environmentally Sound Management of Used and Waste Pneumatic Tyres

Key elements of the Guidelines

- Scope
- Description of tyres, waste tyres, risks to human health and environment
- Basel Convention provisions and international linkages
- **Guidance on environmentally sound management**
- Uses of materials arising from the recycling of waste pneumatic tyres
- Appendix on tyre and road wear particles



Revision of the guidelines

- Adopted by the Conference of the Parties in 2011
- Work ongoing to update the Guidelines:
 - Working group (Parties and observers to the Basel Convention)
 - Online and physical meetings
 - Revised drafts for consideration by technical subsidiary body (June 2026) and 18th meeting of Conference of the Parties (April 2027)

Scope

- Waste pneumatic tyres (solid tyres outside of scope)
- Under discussion: inclusion of used tyres and criteria for distinguishing between waste and used (e.g compliance with technical safety standards)
- Criteria by which tyres are classified as unserviceable



Waste prevention and design

- Waste hierarchy as guiding principle: prevention, minimisation, recycling or other recovery, final disposal
- Life-cycle approach: product design to avoid hazardous substances, increase durability, reusability and recyclability of tyres- while maintaining safety and performance standards
- Inclusion of information on tyre and road wear particles in appendix, including mitigation options

ESM methods

- Retreading- in compliance with technical regulations e.g ISO 90001
- Mechanical recycling
- Devulcanization
- Pyrolysis and gasification
- Co-processing (e.g in cement kilns)
- Incineration



Thank you



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