

## 82<sup>nd</sup> session of the Working Party on Noise and Tyres



# Environmentally sound management of waste pneumatic tyres

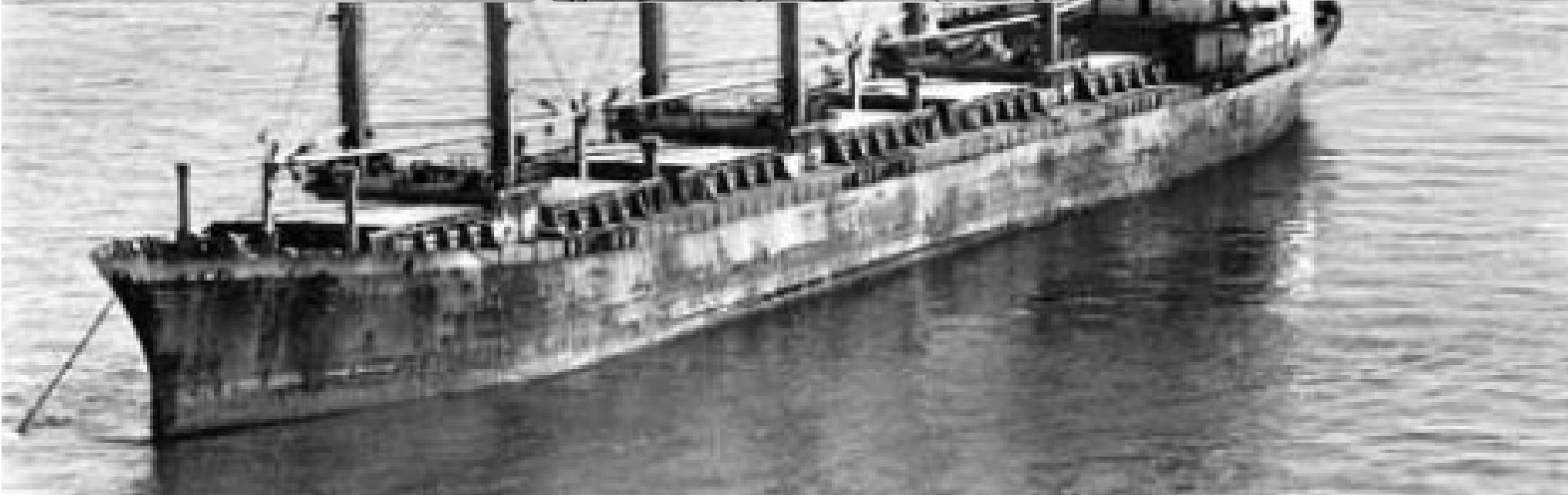
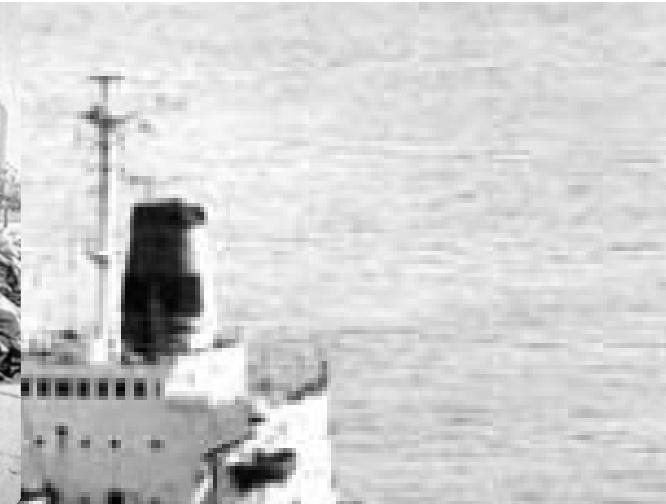
Ms. Melisa Lim, Secretariat of the Basel, Rotterdam and Stockholm Conventions

# 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



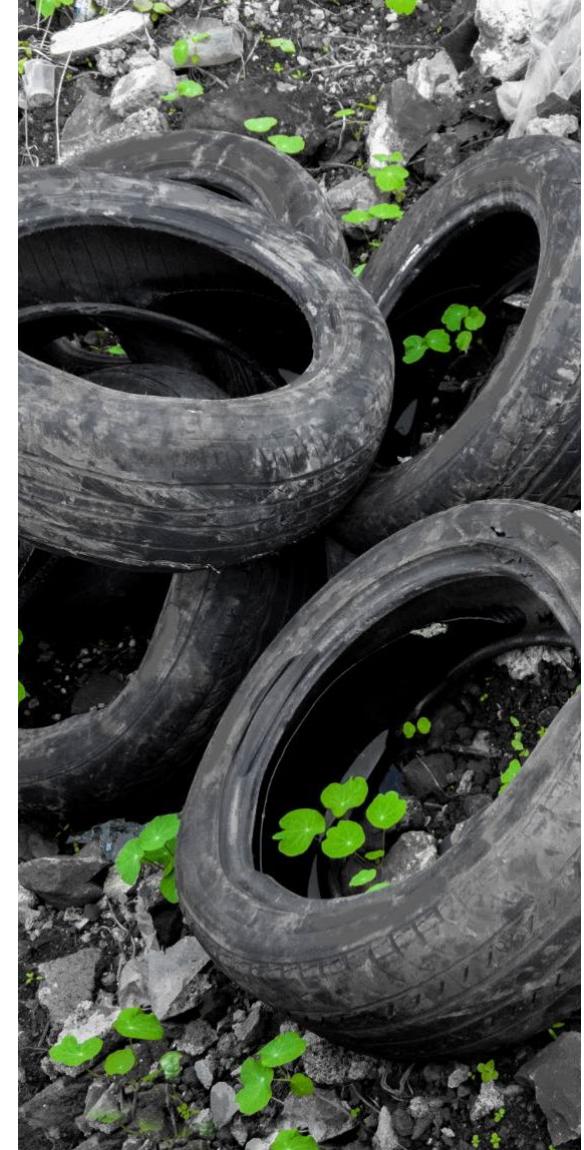
PROMOTE PREVENTION AND  
MINIMIZATION OF  
CONTROLLED WASTES



# 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





## BASEL CONVENTION

Thank you



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