



# Managing POPs in C&D waste

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# Aims of the session

Today we will cover:

- The role of the EA in managing chemicals
- EA study into the presence of pops and Hazardous properties in C&D waste
  - What we did and why
  - Findings
  - Next Steps
- Your role in a Circular Economy

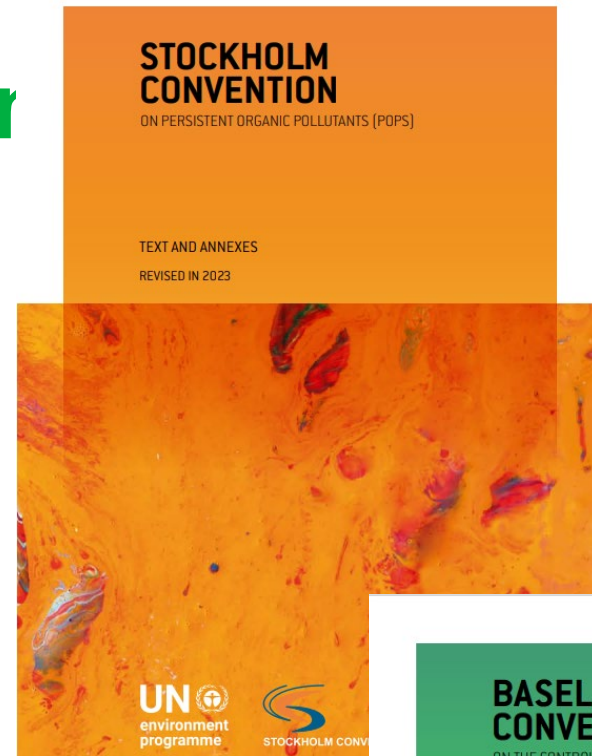
# Stockholm and Basel Conventior

Stockholm convention addresses

- Persistent organic pollutants (POPs)
- In products, and
- In wastes

Stockholm asks Basel Conv. to advise on:

- Environmentally sound disposal methods
- Necessary levels of destruction
- Concentration limits for waste



# Hazardous Waste Compliance

- ~6 million tonnes of hazardous wastes are moved every year
- We want to:
  - make sure hazardous waste is correctly classified
  - identify and prevent illegal mixing of hazardous waste and stop dilution of hazardous substances within the waste
  - ensure that movements are fully traceable, and all involved in the management are accountable and behave lawfully
  - apply the waste hierarchy where appropriate, but stop waste being illegally moved up the hierarchy for cost avoidance
  - improve our understanding of hazardous waste management to better inform future intervention

# POPs and Hazardous Chemicals in Construction and Demolition Waste

- Largest mixed waste stream
- Poor classification and description
- Known hazards (e.g. HBCD)
- Suspected hazards
  
- 2<sup>nd</sup> study underway

# POPs and Hazardous Chemicals in Construction and Demolition Waste

- Insulation
- Plastics
- Sealants, adhesives & fillers
  
- Over 1000 samples were screened for metals
- Over 200 samples were analysed for organic chemicals of concern (brominated flame retardants, organophosphate flame retardants, phthalates and chlorinated paraffins).

# POPs and Hazardous Chemicals in Construction and Demolition Waste

The findings highlight:

- Certain waste items/materials frequently qualify as hazardous and/or POPs waste
- The need for improved waste description, segregation, and subsequent management practices.
- The need to prepare ahead of POPs waste limits for MCCCP in 2027-28.
- The need for further analysis of MCCCP to better understand its unexpected presence in some waste items.

# What next:

- Publish the report
- Set out what needs to happen now
- Set out what needs to happen next
  
- It will take time  
..... and collaboration

# Your role in a Circular Economy

- Aim to minimise resource use and keep materials in use at highest value point
- Products should take a lifecycle approach
- Consider end-of-life products as raw materials

