


Stockholm Convention on Persistent Organic Pollutants 

Environmentally sound management of POPs pesticides wastes

Concepts and principles

Regional training workshop on BAT/BEP, PCBs and POPs wastes
15 – 19 June 2009, Nairobi, Kenya

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Concepts and principles

- Environmentally Sound Management → ESM
- Life cycle approach

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ESM

- **Basel Convention:** *“taking all practicable steps to ensure that hazardous wastes or other wastes are managed in a manner which will protect human health and the environment against adverse effects which may result from such wastes”*
- **Stockholm Convention:** Definition of certain management practices (e.g. BAT/BEP)

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Technical guidelines on the ESM of POPs wastes


- Developed by the Basel Convention
- Adopted at Basel COP-7 (2004) and COP-8 (2006)
- 5 Guidelines on POPs wastes have been developed
 1. Updated general technical guidelines for the ESM of POPs wastes
 2. Technical guidelines on PCBs
 3. Technical guidelines on DDT
 4. Technical guidelines on unintentionally produced PCDDs, PCDFs, HCB and PCBs
 5. Technical guidelines on POPs pesticides

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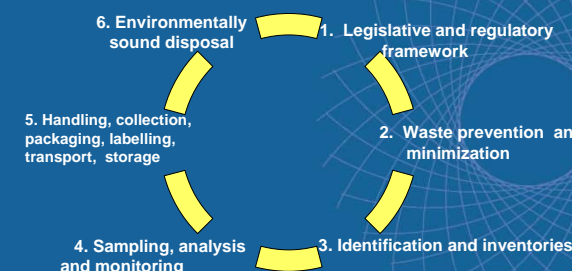
Guideline 1 contains information that is relevant to all the other individual POPs wastes guidelines.

Guideline 1	Guideline 2	Guideline 3	Guideline 4	Guideline 5
Updated general technical guidelines for the ESM of POPs wastes	Technical guidelines on PCBs	Technical guidelines on DDT	Technical guidelines on unintentionally produced PCDDs, PCDFs, HCB and PCBs	Technical guidelines on POPs pesticides
a. Basel and Stockholm Convention mandates on POPs wastes b. Environmentally sound management of POPs wastes c. Environmentally sound disposal of POPs wastes d. POPs wastes: Remediation of contaminated sites, health and safety, emergency response and public participation	Additional specific information	Additional specific information	Additional specific information	Additional specific information



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The concept of ESM contains the following key elements:



1. Legislative and regulatory framework
2. Waste prevention and minimization
3. Identification and inventories
4. Sampling, analysis and monitoring
5. Handling, collection, packaging, labelling, transport, storage
6. Environmentally sound disposal

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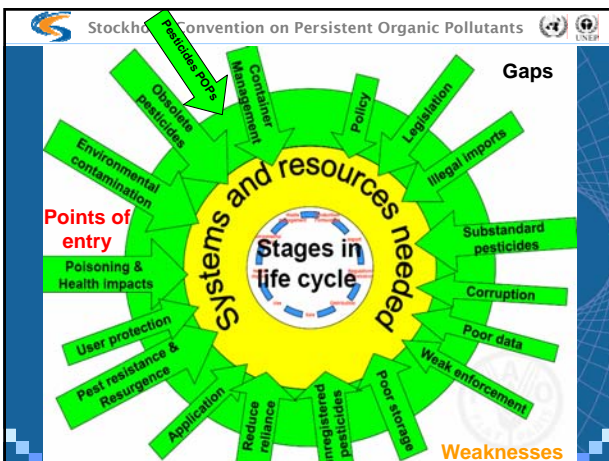
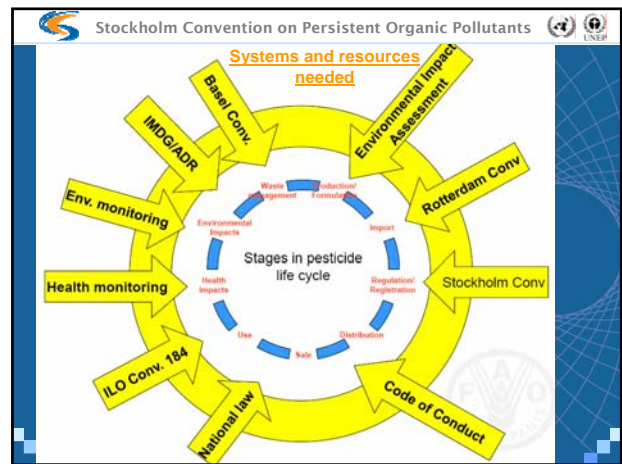
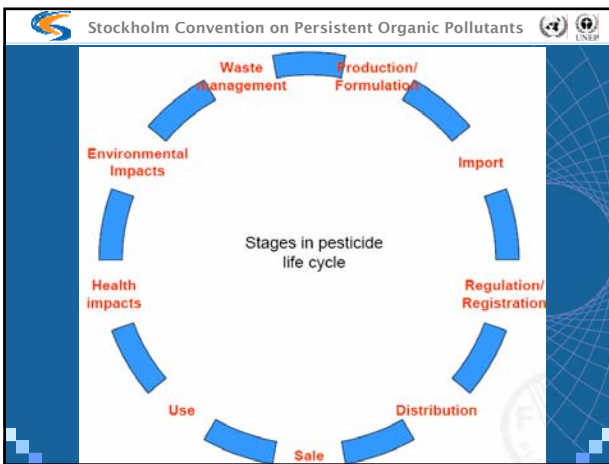
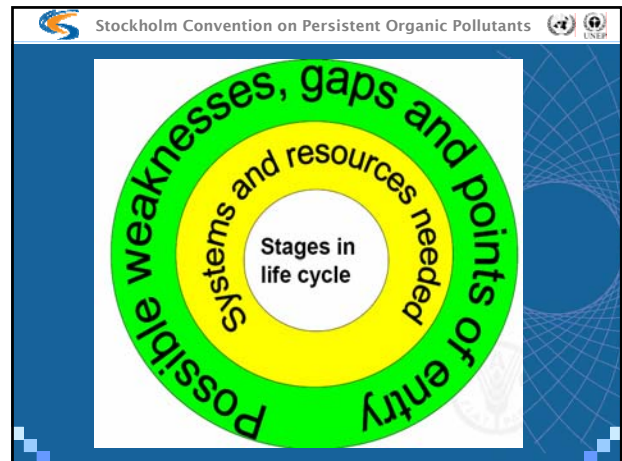
Management of POPs pesticides

Pesticides POPs & Obsolete Pesticides must be dealt with in a total life cycle approach and not in isolation

➔ Improvement of total approach of working with pesticides needed

FAO approach:

- Pesticide Life Cycle Management approach
- Obsolete Pesticides Management System
- Pesticide Stock Management System
- Environmental Management Tool Kit
- Container Management



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Obsolete Pesticides Management System

- Tool for inventory of obsolete pesticides
- Collection & flexible management of data
- Concerns:
 - Pesticides & other contaminated materials
 - Storage sites & their environment
- Generates site specific risk assessment
- Planning tool


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Pesticide Stock Management System


- Where are the pesticides?
- Which products & what can they be used for?
- What is their condition and age?
- What happens to obsolete products & empty containers?
- Preventing obsolete pesticides

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Environmental Management ToolKit




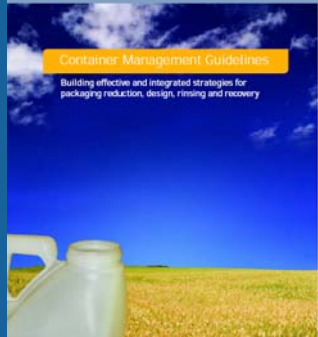
A	Identify Sites and Stores
B	Identify Priority Sites
C	Select Sites
D	Select collection Centres
E	Prepare Plans
F	Prepare Transportation
G	Plan Monitoring

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Container Management Guidelines

- New guidelines to be published by FAO
- The Basic tool:
 - ❖ Triple rinse + Puncture = >90% Risk Reduction
- ECPA guidelines available
www.ecpa.be/files/ecpa/documentslive/14/14313_ECPA-Guidelines-on-sustainable-use-of-cpps.pdf

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Container Management Guidelines
 Building effective and integrated strategies for packaging reduction, design, rinsing and recovery

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Thank you very much!