



# TRAINING FOR INVENTORY Set-up



**Reduction and Elimination in  
use of POPs pesticides in  
developing countries  
by  
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# INTRODUCTION



- The role of UNIDO
- Course objectives
- Agenda and programme
- Magnitude of the problem
- Causes of use and accumulation
- Actions for solving the problem



# THE ROLE OF UNIDO



- Survey and inventory of stocks and stockpiles
- Production and distribution of guidelines
- Initiating and formulating projects on alternatives to POPs pesticides and disposal projects
- Training
- Awareness raising
- Setting up of demonstration projects on alternatives to POPs pesticides, supervision, monitoring and follow-up of disposal operations for obsolete pesticides



# COURSE OBJECTIVES



- Complete effective inventories
- Protect workers, the public and the environment
- Prioritize pesticides for action- reduction in use and eventual elimination; promotion of environmentally sound alternatives
- Stabilize and clean storage sites
- Prevent future accumulation of stocks
- Prepare proposals for disposal operations of obsolete stocks



# MAGNITUDE OF THE PROBLEM



## ➤ Current estimates:

- Developing countries: several hundred thousand tonnes
- Africa and Near East: more than 100 000 tonnes
- Asia: more than 100 000 tonnes
- Poland: 60 000 tonnes
- Ukraine: 23 000 tonnes
- Latin America: unknown

## ➤ Disposal operations:

- 3 000 tonnes from 14 African and Near Eastern countries
- cost: US\$4 000 to \$5 000 per tonne



# POPs PESTICIDES; OBSOLETE OR UNWANTED?



## ➤ POPs pesticides:

- banned for health or environmental reasons
- deteriorated as a result of chemical or physical changes
- lack biological efficacy

## ➤ Unwanted pesticides:

- usable, but no longer needed (under control under International Conventions)



# CAUSES OF ACCUMULATION



- Overordering or oversupply
- Uncoordinated donations or purchases
- Poor storage
- Inappropriate formulation or package size
- Product deterioration
- Legal controls introduced after the pesticides were purchased



# THE NEED FOR INVENTORY



- Measuring the problem:
  - quantity
  - identity
  - condition
  - location and ownership
- Risk assessment and prioritization
- Formulating solutions



# SOLUTIONS



- Execute inventory of POPs pesticides and obsolete pesticides and stabilization
- Propose prevention measures including alternative substances and strategies to POPs pesticides
- Formulate a proposal
- Secure funds
- Carry out demonstration trials and disposal operations
- Implement viable alternatives and Continue with ongoing prevention and monitoring