



Environmentally sound management of POPs pesticides wastes

Concepts and principles

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1 – 4 December 2009, Bratislava, Slovakia



Concepts and principles

- Environmentally Sound Management → ESM
- Life cycle approach



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)



Technical guidelines on the ESM of POPs wastes

- Developed by the Basel Convention
- Adopted at 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



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

Guideline 1

Updated general technical guidelines for the ESM of POPs wastes

- 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

Guideline 2

Technical guidelines on PCBs

Additional specific information

Guideline 3

Technical guidelines on DDT

Additional specific information

Guideline 4

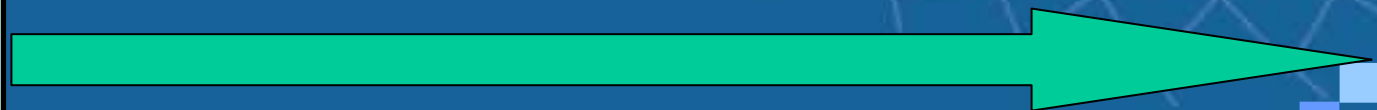
Technical guidelines on unintentionally produced PCDDs, PCDFs, HCB and PCBs

Additional specific information

Guideline 5

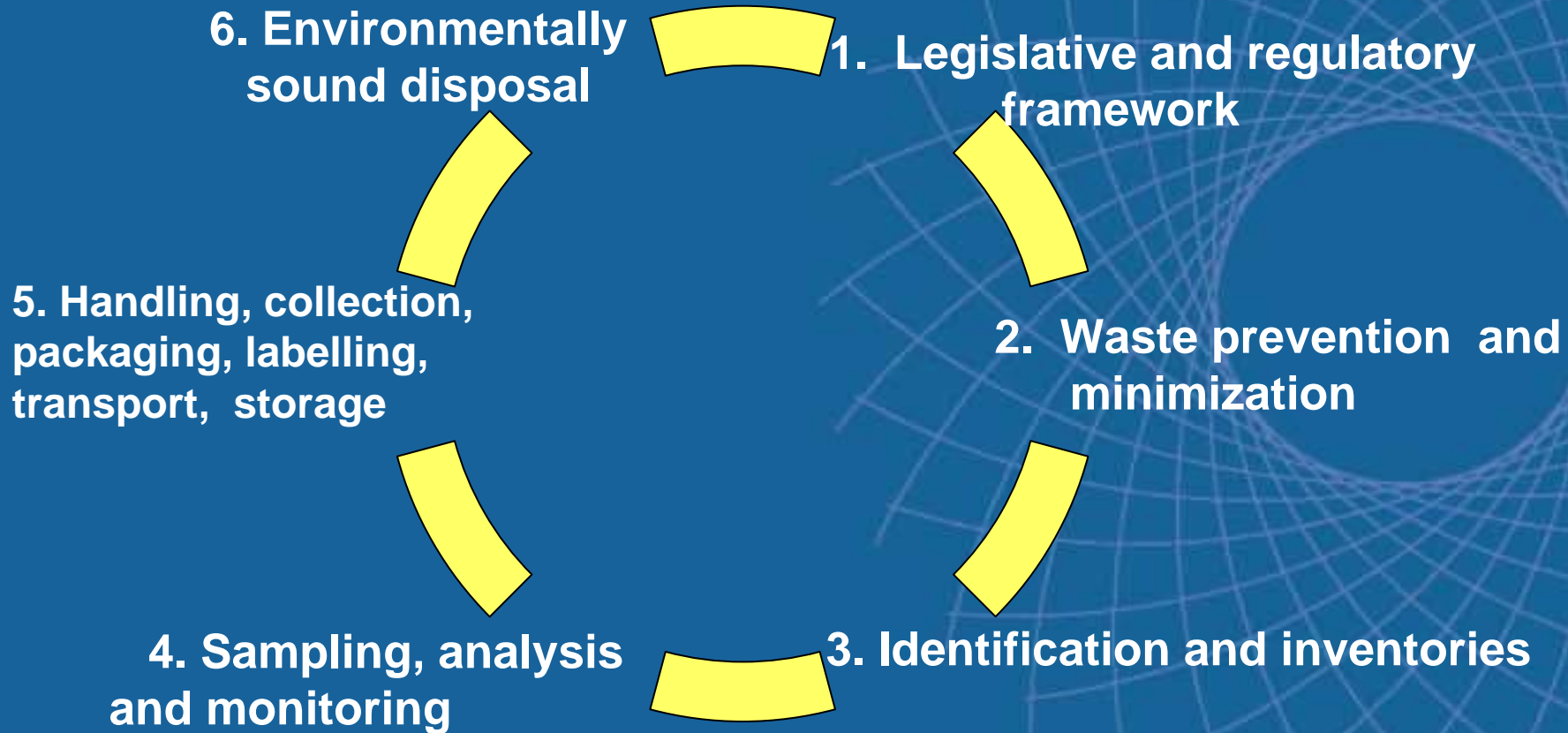
Technical guidelines on POPs pesticides

Additional specific information





The concept of ESM contains the following key elements:





Pesticides POPs & Obsolete Pesticides are:

At the End of the Pipe?

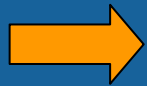


a result of bad pesticides management



Management of POPs pesticides

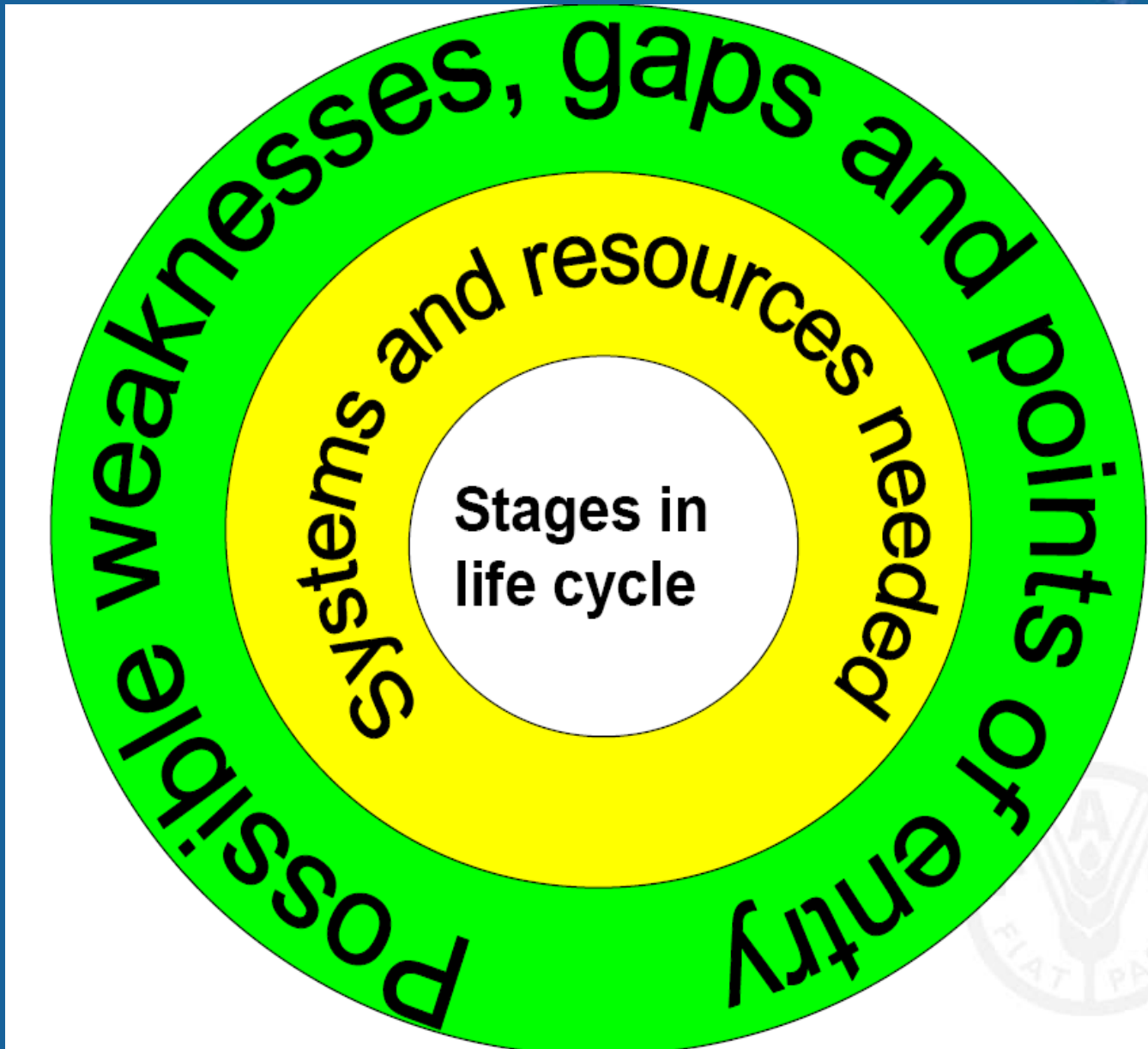
Pesticides POPs & Obsolete Pesticides must be dealt with in a total life cycle approach and not in isolation

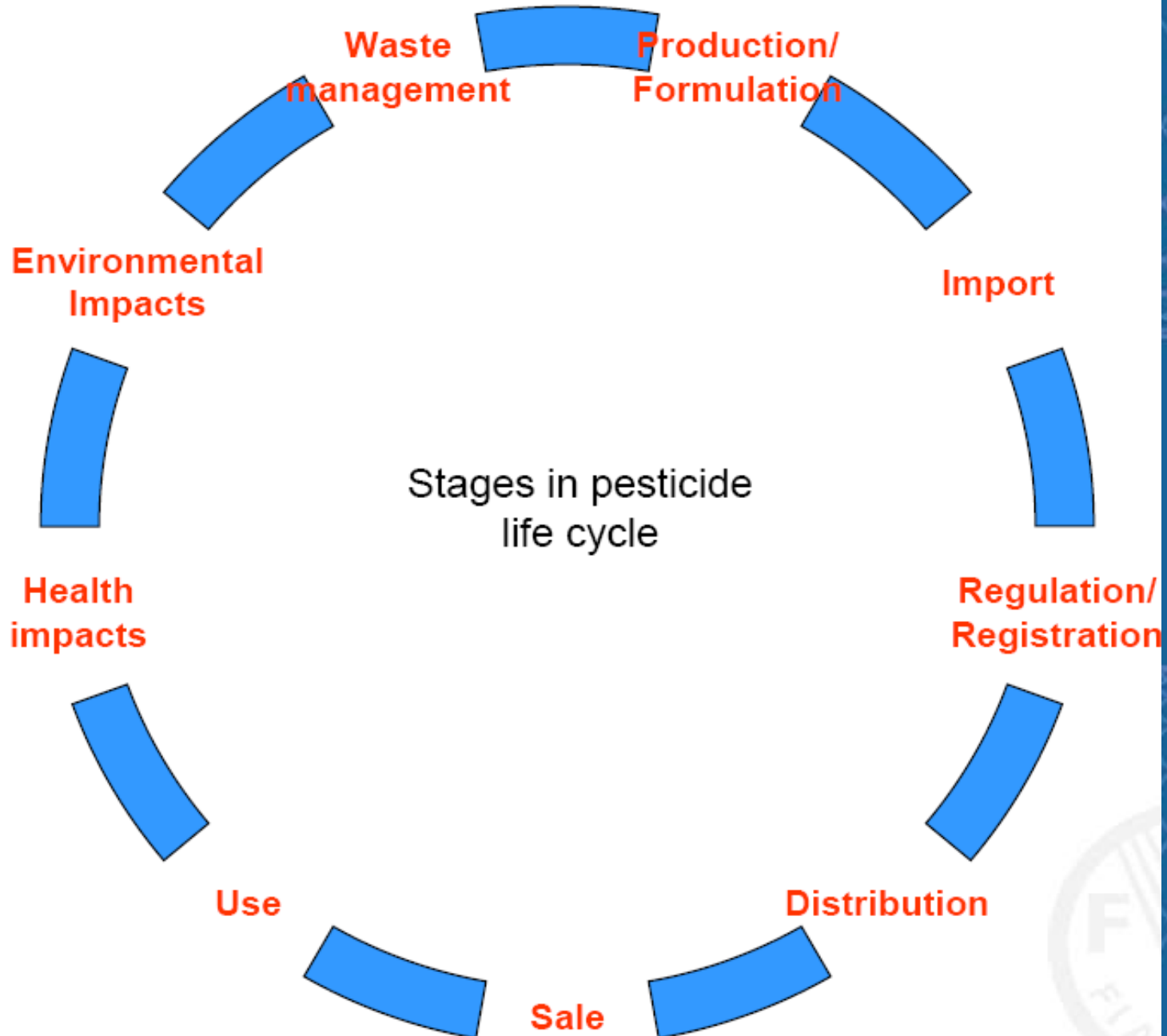


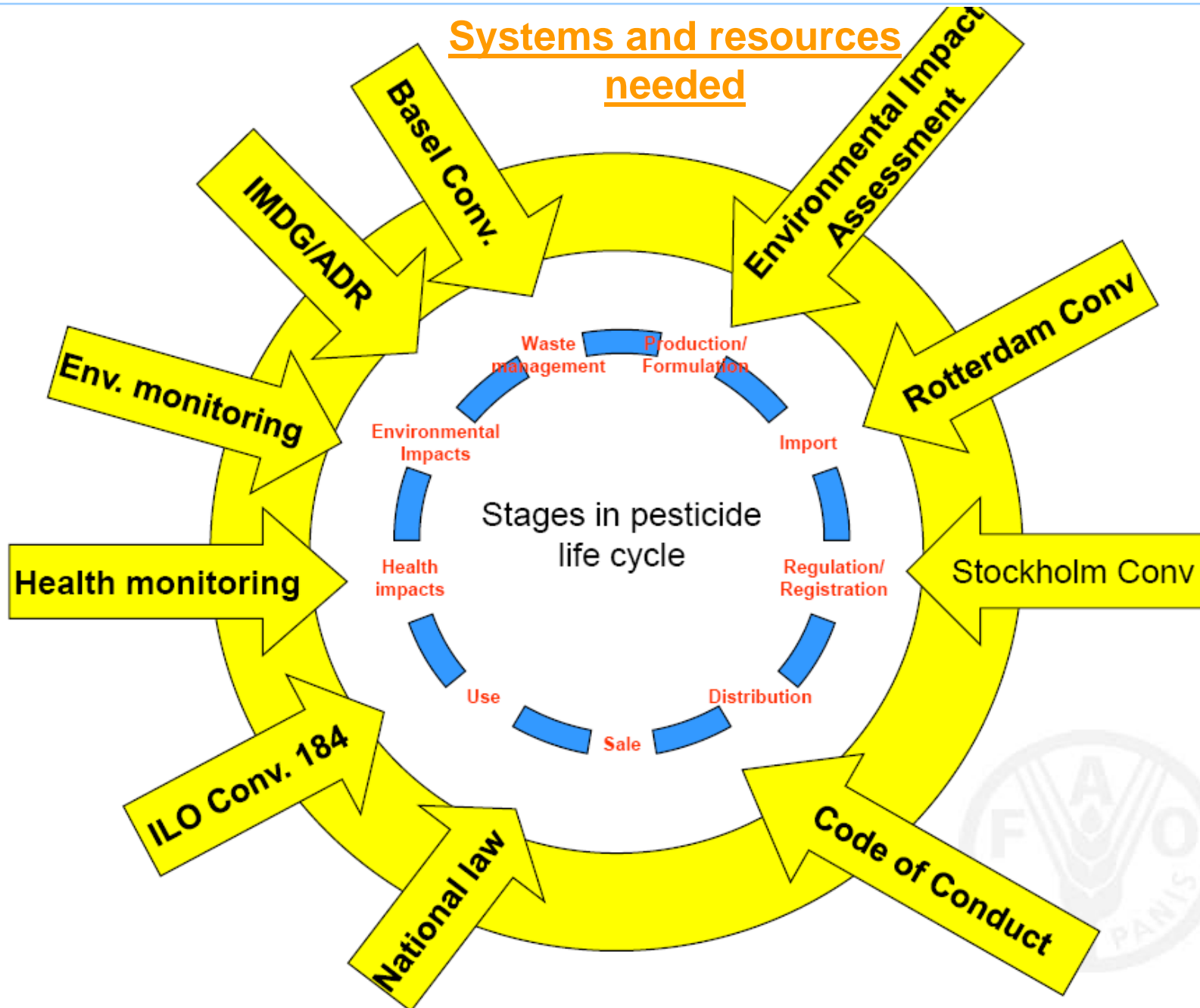
Improvement of total approach of working with pesticides needed

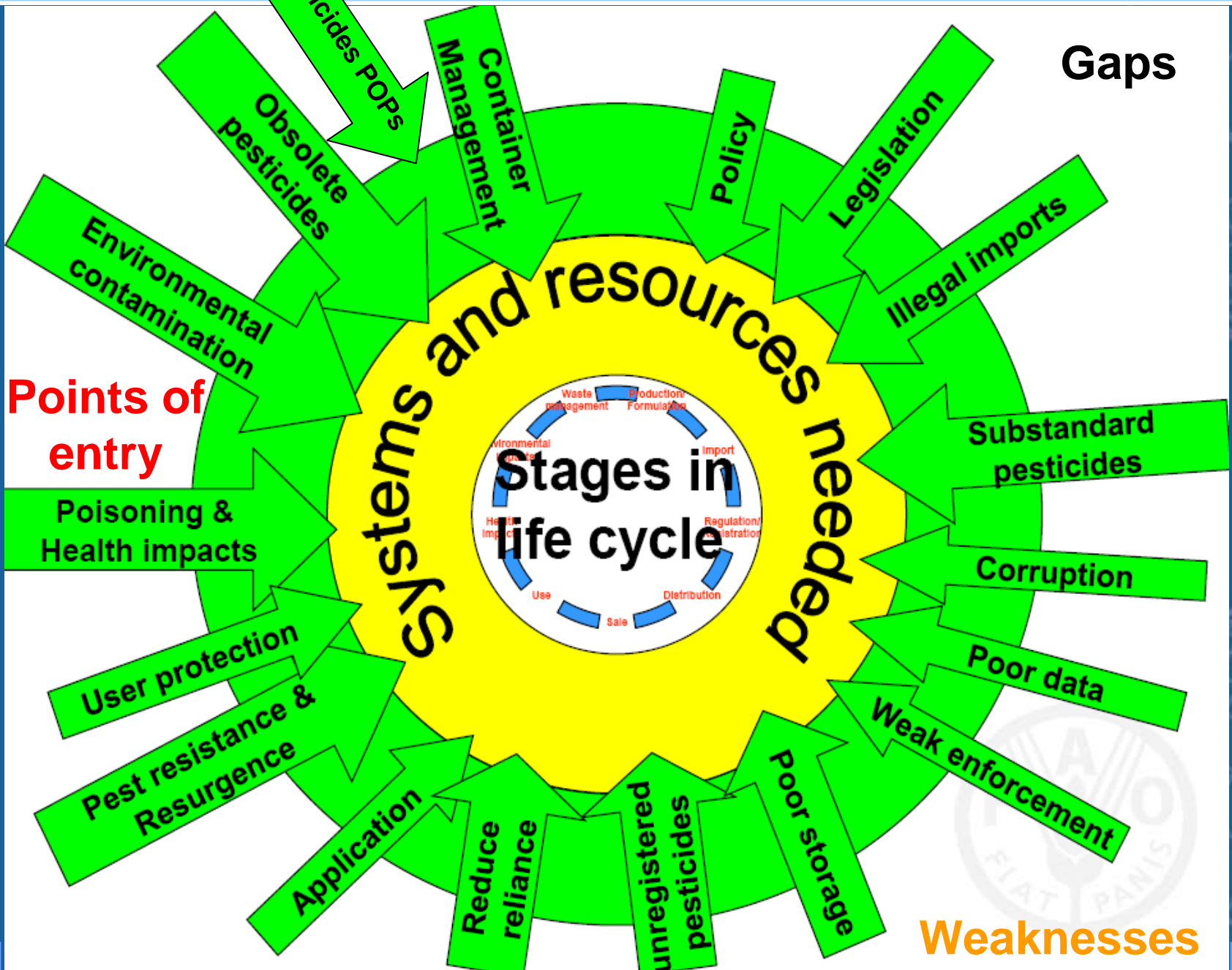
FAO approach:

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











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

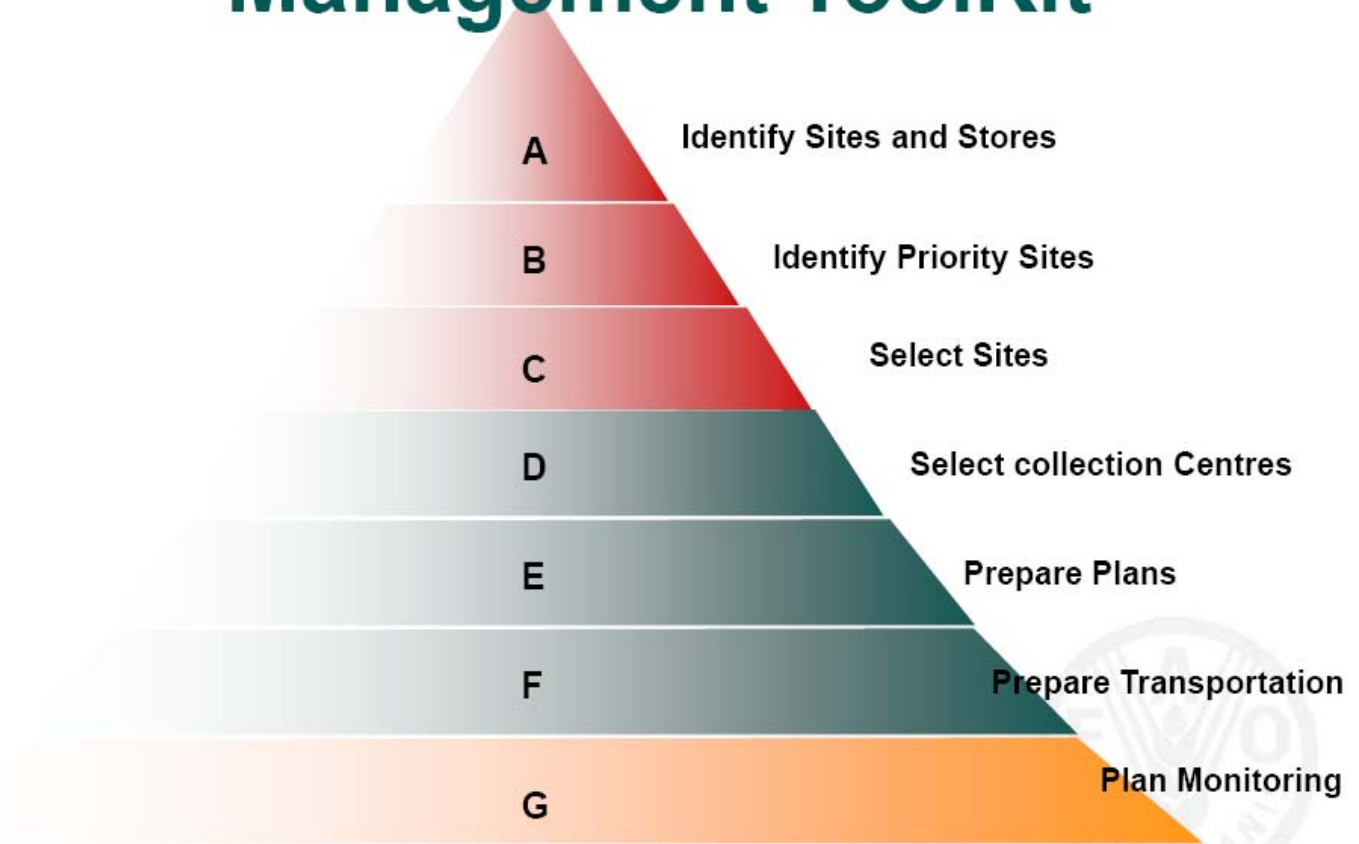


Pesticide Stock Management System

- 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



Environmental Management ToolKit





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_ECPCAGuidelines-on-sustainable-use-of-cpps.pdf



Container Management Guidelines

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





Thank you very much!