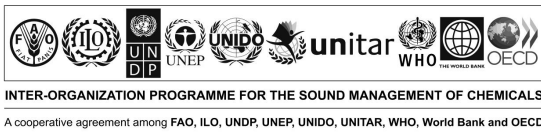


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Introduction to the IOMC Toolbox for Decision-Making in Chemicals Management

Accra, Ghana
6-8 July 2016



IOMC



INTER-ORGANIZATION PROGRAMME FOR THE SOUND MANAGEMENT OF CHEMICALS

A cooperative agreement among FAO, ILO, UNDP, UNEP, UNIDO, UNITAR, WHO, World Bank and OECD



Inter-Organization Programme for the Sound Management of Chemicals

- Established in 1995
- Objective: *“To strengthen international cooperation in the field of chemicals and to increase the effectiveness of the organisations’ international chemicals programmes”*

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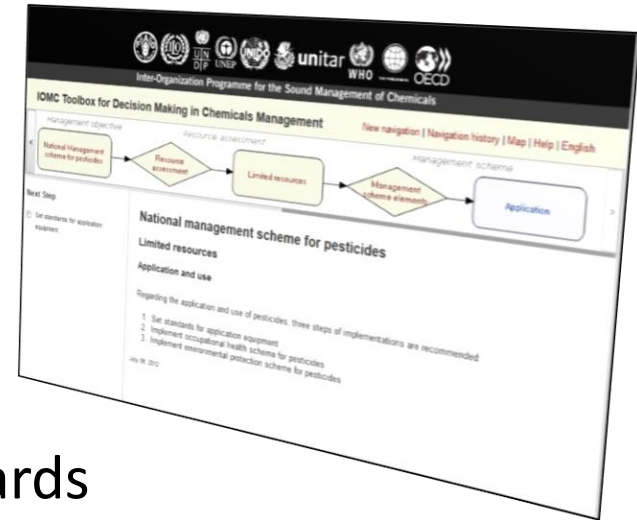
IOMC Toolbox: **The Challenge**

- **IOMC Participating Organizations have developed hundreds of tools and guidance documents that are relevant for countries in their efforts to implement SAICM**
- **However, finding the most appropriate tool or guidance document to address specific national issues can be a challenge!**



IOMC Toolbox: **The Solution**

- The internet-based IOMC Toolbox enables countries to **identify the most relevant and efficient national chemicals management actions**
- The Toolbox **takes into account the resources available** and guides users towards **cost-effective solutions** adapted to the country
- At each implementation step, the Toolbox **presents the relevant IOMC resources, guidance documents, and training material**, all available online and free of charge



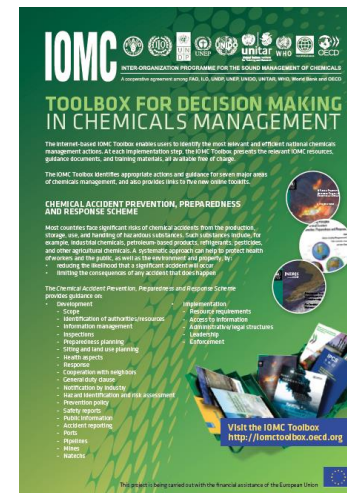
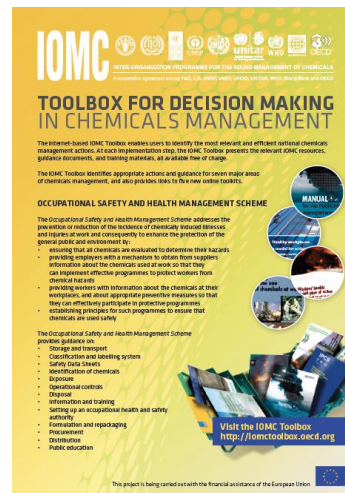
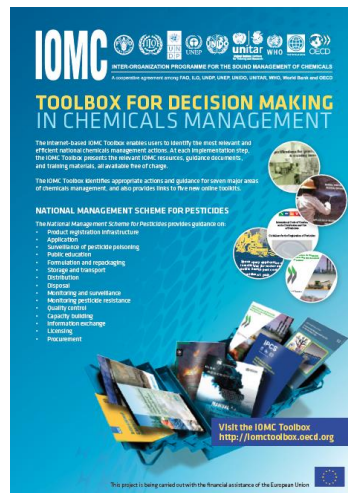
IOMC Toolbox: The Schemes

- The IOMC Toolbox focuses on seven schemes for chemicals management:

1. National management scheme for **pesticides**

2. Occupational **health and safety** system

3. **Chemical accidents** prevention, preparedness, and response system for major hazards



IOMC Toolbox: The Schemes

4. Industrial chemicals management system

5. Classification and labeling system (GHS)

6. System to support health authorities which have a role in the public health management of chemicals

7. Pollutant release and transfer registers (PRTRs)

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TOOLBOX FOR DECISION MAKING IN CHEMICALS MANAGEMENT

The Internet based IOMC Toolbox enables users to identify the most relevant and efficient national chemical management actions. At each implementation step, the IOMC Toolbox presents the relevant IOMC resources, guidance documents, and training materials, all available free of charge.

The IOMC Toolbox identifies appropriate actions and guidance for seven major areas of chemicals management, and also provides links to the online toolbox.

INDUSTRIAL CHEMICALS MANAGEMENT SCHEME

The objective of the Industrial Chemicals Management Scheme is to strengthen the capacities of countries to assess risks associated with industrial chemicals throughout their lifecycle and to manage those risks. The aim is the protection of human health and the environment from harmful effects of industrial chemicals, preventing bioaccumulation, and contributing to a sustainable national development.

The Industrial Chemicals Management Scheme provides guidance on:

- Any technical elements
- Risk assessment
- Risk management
- Technical elements for the producing countries
- Market entry procedure
- Regulatory setting
- Regulatory enforcement
- Chemicals
- Additional technical elements
- Authorisation
- Labeling
- Multiple chemical mixtures of chemicals
- Structure of databases in articles containing high priority chemicals
- Market access
- Additional technical elements
- Training capacity building and project/education/training of public authorities

Visit the IOMC Toolbox
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CLASSIFICATION AND LABELLING SYSTEM SCHEME

The Classification and Labeling System Scheme addresses implementation of the globally harmonized system of classification and labeling (the GHS), an internationally agreed system that provides harmonized criteria for identifying toxicological and physical hazards, environmental and physical hazards, and harmonized hazard communication elements, including requirements for labeling and safety data sheets.

Key technical elements

- Establish a national GHS coordinating committee
- Review the legal framework
- Review institutional, administrative, and technical capacities
- Review existing and planned test and communication activities globally, regionally, and at government agencies, business and industry, and civil society
- Review gaps in the national framework
- Develop the GHS implementation framework (overall and by sector)
- Obtain support from decision-makers with legislative authority
- Develop coordination and liaison communication mechanisms
- Develop a local GHS implementation framework
- Develop a compliance and enforcement strategy
- Improve communication and outreach
- Identify emergency response and response intervention strategies
- Oversee monitoring and evaluation

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PUBLIC HEALTH MANAGEMENT OF CHEMICALS SCHEME

The Public Health Management of Chemicals Scheme aims to identify toxic concerning the public health, environmental health, and the medical aspects of assessing and managing chemical risks and aspects of mitigation. The scheme combines in one place all the tools developed by the IOMC. Participating organizations and countries are related to Brazil, Kazakhstan, and Myanmar Conventions.

Key technical elements

- Chemical poisoning
- Pesticides for public health use
- Chemical antibiotic resistance
- Methodology for assessing risks and impacts

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POLLUTANT RELEASE AND TRANSFER REGISTER SCHEME

The Pollutant Release and Transfer Register (PRTR) Scheme provides guidance on:

- PRTR initiation
 - Identifying support from legislative bodies, industry, and the public
 - Identify the gaps of the PRTR system
 - Determining an infrastructure assessment
 - Developing a PRTR
 - Implementing a PRTR pilot
 - Developing a PRTR protocol
 - Preparing a legal instrument
 - Providing compliance assistance for regulated entities
 - Obtaining international support
- PRTR operation
 - Setting up governance
 - Data collection, compilation, and storage
 - Data quality assurance
 - Data dissemination and access
 - Long-term success
 - Compliance assurance
 - PRTR promotion
 - Outreach
 - Monitoring and improving the PRTR system
 - Enhancing the PRTR system gradually

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NATIONAL MANAGEMENT SCHEME FOR PESTICIDES

The *National Management Scheme for Pesticides* provides guidance on:

- Product registration infrastructure
- Application
- Surveillance of pesticide poisoning
- Public education
- Formulation and repackaging
- Storage and transport
- Distribution
- Disposal
- Monitoring and surveillance
- Monitoring pesticide resistance
- Quality control
- Capacity building
- Information exchange
- Licensing
- Procurement



IOMC Toolbox: **The Scope**

- The IOMC Toolbox also provides links to five new online toolkits:
 - **OECD Environmental Risk Assessment Toolkit**
 - **WHO Human Health Risk Assessment Toolkit**
 - **FAO Toolkit for Pesticides Registration Decision Making**
 - **UNIDO Toolkit on Innovative, Safe and Resource Efficient Application of Chemicals in Industry**
 - **UNIDO Toolkit on Chemical Leasing**



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IOMC Toolbox for Decision Making in Chemicals Management

New navigation | Navigation history | Map | Name



Next step

- Identifying hazard classes to include

Classification and Labelling System Scheme

Limited Resources

Determining classification and hazard communication requirements

The GHS affects four key sectors, namely, industrial workplaces, agriculture, transport, and consumer products. Countries may decide to prioritize GHS implementation for a particular sector or sectors, depending on the needs of the country.

Prepare a detailed plan on how the GHS will be implemented in the sector. Based on the GHS, decide which GHS elements will be adopted for the sector. The needs of a sector can vary depending on the needs of the target audience. For example, the transport of dangerous goods sector focuses on acute health hazards, physical hazards, and environmental hazards. Chronic hazards are not covered given the exposures anticipated in that sector. On the other hand, the consumer sector may not need to know some specific physical hazards given the use they have for a particular consumer product. In addition, consideration can be given to how other countries have implemented the GHS.

Determining classification and hazard communication requirements can include the following sub-elements:

- Identifying hazard classes to be included
- Identifying who will do the classification
- Identifying the labelling and safety data sheet requirements
- Identifying who will assess the hazard communication elements

Below is a list of tools relevant for implementing this topic:

- UNECE, Globally Harmonized System of Classification and Labelling of Chemicals (GHS, Rev.5), (Geneva: United Nations, 2013), ST/SG/AC.10/30/Rev.5
- UNITAR, ILO and IOMC (2012), Understanding the GHS: A Companion Guide to the Purple Book, June 2012 Edition, (UNITAR, Geneva)

Comments

Send a comment

Suggest a tool

IOMC Toolbox: **A Platform for Collaboration**

- The **new version** of the IOMC Toolbox provides a set of interactive features allowing governments to use it as a platform for collaboration among ministries, agencies, and other stakeholders such as industry
- Users can save their information, add comments, and share and discuss issues with colleagues and partners



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