Introduction to the

# IOMC Toolbox for Decision-Making in Chemicals Management

October 2022



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**

The IOMC Toolbox project is funded by the European Union

# INTER-ORGANIZATION PROGRAMME FOR THE SOUND MANAGEMENT OF CHEMICALS (IOMC)

- 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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The IOMC is comprised of:

- Food and Agriculture Organization of the United Nations (FAO)

- International Labour Organization (ILO)

- United Nations Development Programme (UNDP)

- United Nations Environment Programme (UNEP)

- United Nations Industrial Development Organization (UNIDO)

- United Nations Institute for Training and Research (UNITAR)

- World Health Organization (WHO)

- World Bank

- Organisation for Economic Co-operation and Development (OECD)

# IOMC TOOLBOX:
# THE CHALLENGE
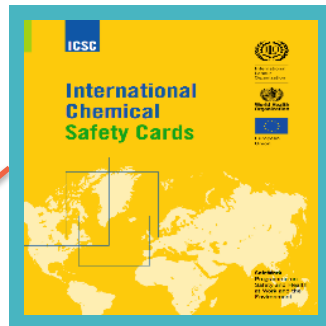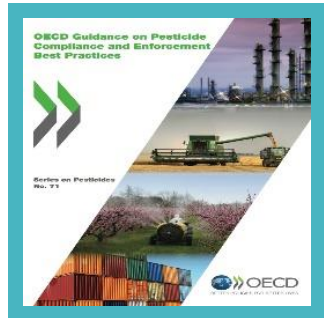


- IOMC Participating Organizations have developed hundreds of tools and guidance documents that are relevant for countries in their efforts to implement SAICM

- 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
## For decision making in chemicals management

**Resource available**

Limited  Medium  High

**Management scheme**

Select a management scheme ▾

**Search or select an element**

Ex : Air pollution ▾

🔍 **Search**

Advanced search

## About
## IOMC Toolbox

The IOMC Toolbox is a problem-solving resource that enables countries to identify the most appropriate and efficient national actions to address challenges related to chemicals management.

At each implementation step, the Toolbox presents the relevant IOMC tools, guidance documents, and training material, all available online.

- Explore eight management schemes, five toolkits, and hundreds of tools
- Identify customized solutions adapted to the available national resources
- Attend IOMC Toolbox webinars and training events

## IOMC TOOLBOX:
# Background

### Phase I (2012)

- Development of a proof-of-concept version of the Toolbox.

### Phase II (2013-2017):

- More than 6,500 participants received training or attended promotional events for the IOMC Toolbox.

**The funding is provided by the EU**

### Phase III (2018-2021):

- New platform for the IOMC Toolbox: new design, search functionality, offline version

- Tailored Capacity Building events (National and regional workshops, Webinars on management systems, technical topics, flagship tools or toolkits)

- Promotion

### Phase IV (2022-2025):

- Add new tools (and update existing tools) to the existing IOMC Toolbox management schemes

- Develop new management schemes (e.g. on development of national waste management strategies)

- Develop four new modules to be added to the Pesticide Registration Toolkit, including on post-registration monitoring and surveillance of pesticides with a focus on Highly HHPs, and on pesticide labelling/GHS;

- Translations

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# IOMC TOOLBOX:
# THE SCHEMES



The IOMC Toolbox includes eight management schemes for:

1. **Chemical accident prevention, preparedness, and response**
   This management scheme helps to identify approaches for a national "Chemical Accidents Programme" that is appropriate for your country's particular circumstances, considering the level and nature of risks, type of industries, available resources, and legal and cultural context.

2. **Globally Harmonized System of Classification and Labelling of Chemicals (GHS)**
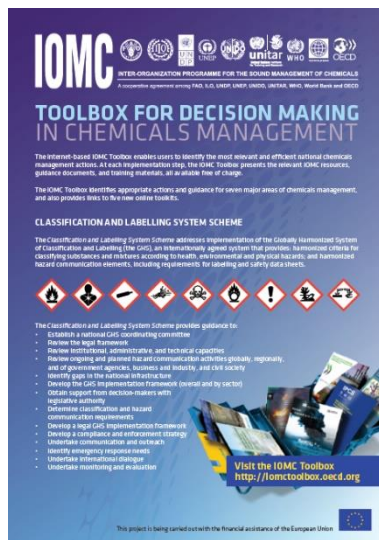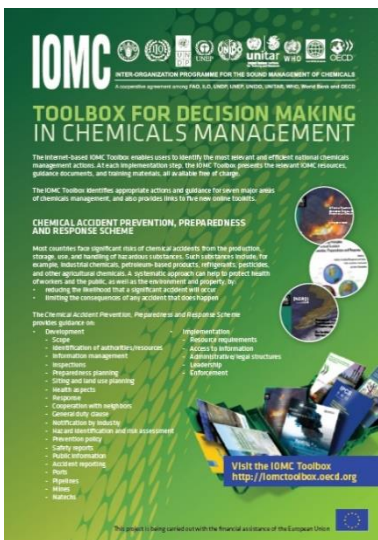
# IOMC TOOLBOX:
# THE SCHEMES



3. **Industrial chemicals management scheme**
The objective of this scheme is to strengthen the capabilities of countries in assessing risks associated with industrial chemicals throughout their lifecycle and managing them safely.

4. **National pesticides management scheme**
The scope of a national management scheme for pesticides is to control which pesticides can be used and how thereby avoiding adverse effects to man and the environment.

5. **Occupational health and safety management scheme**
This scheme focuses on preventing and reducing the incidence of chemically induced illnesses and injuries at work and consequently to enhance the protection of the general public and environment.
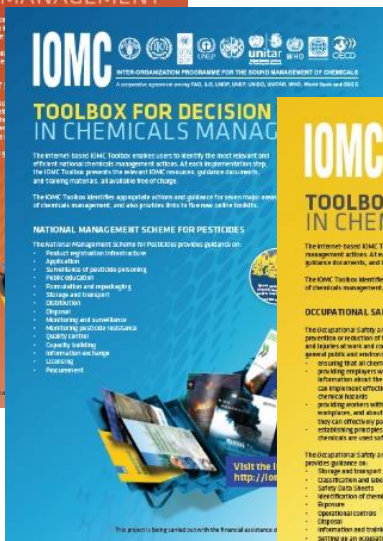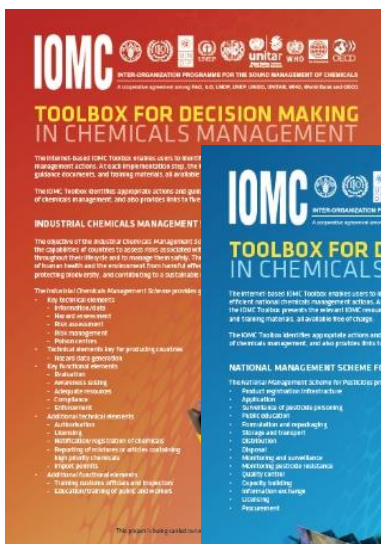
# IOMC TOOLBOX:
# THE SCHEMES



6. **Pollutant release and transfer registers**
The objective of a national management scheme for PRTRs is to strengthen the capabilities of countries to track the amount of certain chemicals released to air, water and land and transferred off site that may pose a threat to human health and the environment. Collecting these data helps support informed decision-making by industry, government, non-governmental organizations and the public.
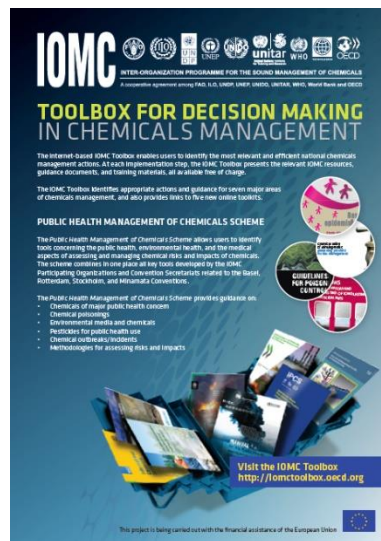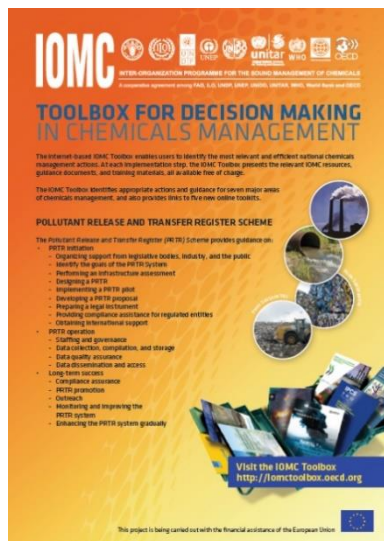
7. **Public health management** of chemicals
This section guides users to tools concerning the public health, environmental health and the medical aspects of assessing and managing chemical risks and impacts of chemicals. the WHO Chemicals Road Map guides users to tools for the implementation of more than 50 health related action items listed in the WHO Road Map.

8. **Best available techniques** for preventing and controlling industrial chemical pollution
The BAT scheme details (in 4 steps) how to design, establish, evaluate and determine BAT in order to prevent and control the emission of industrial pollutants in your country.

# Toolkits

- 📟 **FAO Pesticide Registration Toolkit**

- 📟 **OECD Environmental Risk Assessment Toolkit - Cloned**

- 📟 **UNIDO Chemical Leasing Toolkit**

- 📟 **UNIDO Innovative Approaches for the Sound Management of Chemicals and Chemical Waste Toolkit**

- 📟 **UNIDO Green Chemistry Toolkit** →

- 📟 **WHO Human Health Risk Assessment Toolkit: Chemical Hazards**

The toolkit provides materials to deepen the understanding of Green Chemistry, including origins, technologies and how it drives environmental and economic goals for societal benefits. The toolkit aims to transform the trainees into Green Chemistry facilitators who will be able to disseminate Green Chemistry to their networks by using practical and tangible examples that encourage the change. It was developed under the Global Green Chemistry Initiative – a project led by UNIDO in partnership with the Center for Green Chemistry and Green Engineering at Yale University.

**Discover toolkit** →

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# IOMC TOOLBOX:
# THE TOOLKITS

The IOMC Toolbox also includes six online toolkits:

- FAO Pesticides Registration Decision Making Toolkit



The FAO Pesticide Registration Toolkit is a decision-support system for pesticide registrars in developing countries. It will assist registrars in the evaluation and authorization of pesticides. The Toolkit can serve as a web-based registration handbook intended for day-to-day use. It also links to pesticide-specific information sources such as registrations in other countries, scientific reviews, hazard classifications, labels, MRLs, and pesticide properties.

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- OECD Environmental Risk Assessment Toolkit



This toolkit gives access to practical tools on environmental risk assessment of chemicals. It describes the general work flow of environmental risk assessment and provides examples of risk assessment. This toolkit also provides links to relevant tools developed by OECD and member countries that can be used in each step. The examples provide a roadmap of the process, showing the steps involved in each case and the tools which were used.

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# THE TOOLKITS



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- UNIDO Innovative Approaches for the Sound Management of Chemicals and Chemical Waste Toolkit

The Toolkit enables manufacturers and industrial users of chemicals, and consultants to identify chemicals management hotspots and to implement innovations that provide customers value and increase revenue, while providing environmental benefits and protecting the health of workers and society. The Toolkit consists of a company guide that provides a methodological approach in the form of six phases, supplemented by technical resources, sector guidelines, and case studies.

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- UNIDO Chemical Leasing Toolkit



The Chemical Leasing Toolkit provides guidelines, materials, best practice case studies, and lessons learned from 10 years of work at UNIDO's Global Chemical Leasing Programme. The Toolkit enables users to systematically kick-start the implementation of Chemical Leasing at the company level. It also supports policymakers in understanding how best to approach Chemical Leasing in the policy arena.
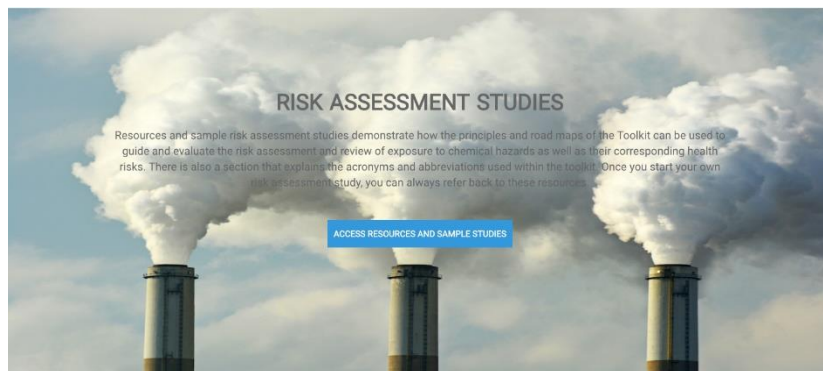
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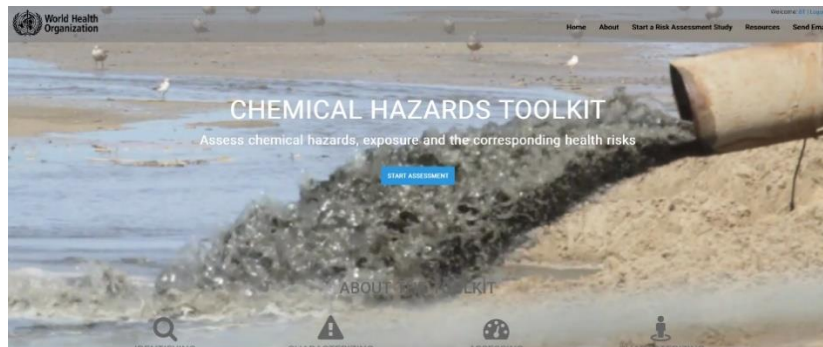
The eToolkit is an interactive web-application based on the WHO Human Health Risk Assessment Toolkit: Chemical Hazards. Users are provided with web-based templates of roadmaps for conducting human health risk assessments. While being led through a step-by-step risk assessment process, users are provided with background information and are able to document the information they have gathered and the conclusions they have drawn in electronic templates.
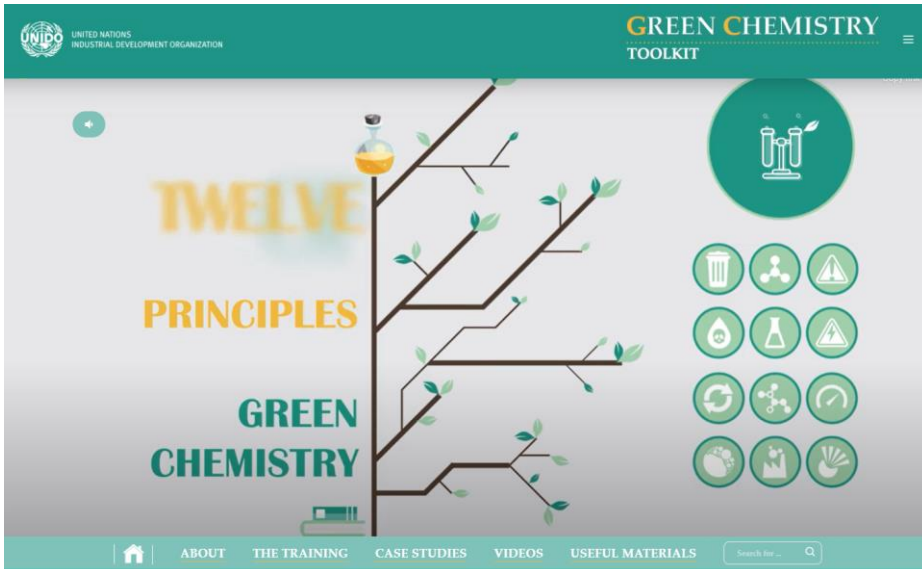
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Visit the IOMC Toolbox:

http://www.iomctoolbox.org/