

UNEP LIRA-Guidance National Demonstration Projects

Introduction

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Contents

1. Context
2. UNEP SMC Mainstreaming Programme
3. UNEP LIRA-Guidance
4. National Demonstration Projects
5. Introduction to the Training Material

Context: A World of Chemicals

- ❖ Trends in Chemicals Production and Use
 - A century of sharp increase in chemicals production and uses
 - Over 100,000 chemical substances used in all sectors
- ❖ Chemicals intensification of all economies
 - Shift in production/ manufacturing (BRIICS)
 - Trade flows – Chemicals in Products
 - Increasing emissions from major economic development sectors
- ❖ Significantly growing evidence of:
 - Negative health effects
 - Environmental pollution and transport threaten life-sustaining ecosystems

“Chemistry – it’s in everything and it’s everywhere.”
(Guide to the Business of Chemistry, 2009)

Context: The International Mandate

- ❖ World Summit on Sustainable Development (WSSD) goal (2002):
 - “achieve, by 2020, that chemicals are used and produced in ways that lead to the minimization of significant adverse effects on human health and the environment”
- ❖ Strategic Approach to International Chemicals Management (SAICM, 2006):
 - “Significant, but insufficient, progress has been made in international chemicals management”
 - “a lack of capacity for managing chemicals in developing countries and countries with economies in transition”
 - “the environment worldwide continues to suffer from air, water and land contamination, impairing the health and welfare of millions”

Context: Challenges for Achieving SMC

❖ Currently:

- Fragmented framework – inconsistent sectoral management
- Case-by-case approach – targets individual substance
- End-of-pipe solutions – negative impacts mitigated afterwards

❖ Results:

- Gaps, overlaps and duplication
- Inefficiencies and waste of resources
- Increasing risks for human health and the environment
- Economic costs impairing development

“As a result, fundamental changes are needed in
the way that societies manage chemicals”
(SAICM, 2006)

UNEP SMC Mainstreaming Programme (1)

❖ Four objectives:

- Improve cross-sectoral governance for better coordination of chemicals management activities
- Raise political awareness of the need for preventive and integrated lifecycle chemicals management for sustainable development at national and international levels
- Promote and assist the integration of chemicals management into development planning policies
- **Build capacity of national administration to develop coherent solutions and make a convincing case for sustainable financing of chemicals management**

UNEP SMC Mainstreaming Programme (2)

- ❖ Five initiatives:
 - UNEP-WHO Health and Environment Strategic Alliance
 - UNDP-UNEP Partnership Initiative for the Integration of Sound Management of Chemicals (SMC) into Development Planning Processes
 - UNEP Global Chemicals Outlook
 - UNEP Costs of Inaction Initiative
 - UNEP Guidance on the Development of Legal and Institutional Infrastructures and Sustainable Financing Options for the Sound Management of Chemicals

UNEP LIRA-Guidance (1)

❖ Scope (= SAICM)

- **Agricultural and industrial chemicals in general**, including chemicals in products
- **Life-cycle** chemicals management for sustainable development

❖ Key principles

- Developed as part of an **integrated, lifecycle** chemicals management **strategy**
- Provides **foundational capacity for SMC** (governance framework)
- Establishes strong **inter-sectoral and multistakeholders collaboration**
- Relies on a sound planning process, including the design **sustained financing** options

UNEP LIRA-Guidance (2)

- ❖ Placement of chemicals on the market
 - Four main tasks:
 - Obtaining information on chemicals properties, hazards and risks
 - Disseminating information
 - Making informed choices for risk reduction
 - Organizing the safe use of chemicals
 - Enabling framework for life-cycle chemicals management
 - Similar principles for all chemicals
 - Enable countries to take upstream, preventive action
 - Facilitate management at later steps of the supply-chain
 - Cost-effective as few entities regulated

National Demonstration Projects

❖ Objectives

- Develop a plan for strengthening legislation and institutional arrangements governing the placement of chemicals of the market
- Test the guidance to ensure it targets the needs of countries

❖ A general five-step process

- Mobilization Phase
- Baseline Analysis and Solutions Assessment
- Design of Policy Options
- Development of a Business Plan
- Approval and Financing of the Plan

Introduction to the Training Material (1)

❖ Purpose

- To assist the use of the material provided in the LIRA-Guidance following the steps of the proposed process for the development of an action plan

❖ 5 modules

- I. Project Mobilization Phase
- II. Baseline Analysis and Solutions Assessment
- III. Design of Policy Options
- IV. Development of a Business Plan
- V. Preparation and Dissemination of Policy Material

Introduction to the Training Material (2)

❖ Content

– Training Notes

- Key elements of the guidance following the steps of the projects
- Clarifications on the key elements presented
- Possible approaches and tools to address the elements
- Selected references for more detailed information
- References to the section and page of the guidance for details

– Presentations

- Graphical summary of the Training Notes

UNEP and chemicals accidents



UNEP provides support to governments and

Flexible Framework Initiative

Purpose

- Increase countries' understanding of issues related to chemical accident prevention and preparedness
- Improve the capacity of relevant institutions, agencies and experts to address the risks of chemical accidents
- Help countries to develop and implement an appropriate CAPP Programme

Ultimate Impact

- Reduce the consequences (on health and environment) and the likelihood of chemical



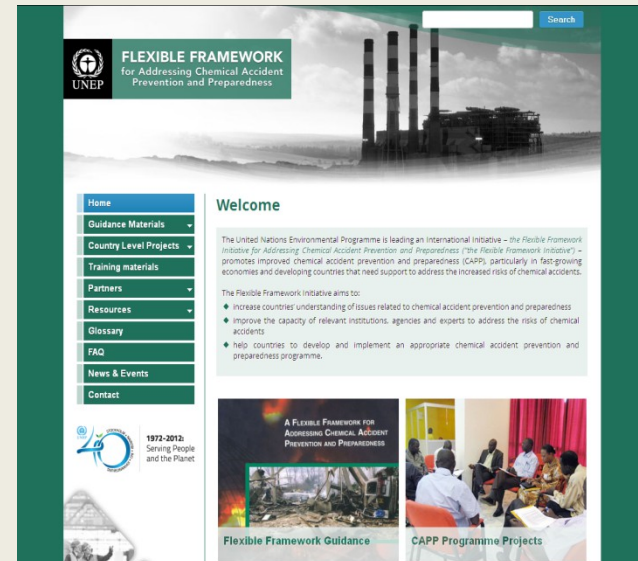
Flexible Framework Initiative

- ▶ National level
 - Aims at providing guidance for governments wishing to develop, review, strengthen or improve their chemical accident prevention and preparedness programme
- ▶ Publications:
 - Flexible Framework Initiative
 - How to develop a CAPP programme
 - Elements of a CAPP programme
 - Implementation Support Package
- ▶ Current activities:
 - Global Expert Working Group
 - Chemical Accident Prevention country level projects



Online resources

- ▶ More information, case studies and tools on:
 - Flexible Framework Web-portal
<http://www.capp.eecentre.org/>
- ▶ Online Course on Industrial Accidents
 - A joint product of UNEP, Joint UNEP/OCHA Environment Unit (JEU) and UNECE, hosted by the JEU's Environmental Emergencies Centre:
www.eecentre.org



Thank you for your attention!

For more information:

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