



**PRACTICES
IN THE SOUND
MANAGEMENT OF
CHEMICALS**

UNDESA
STOCKHOLM CONVENTION
UNEP

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ACRONYMS AND ABBREVIATIONS

APEC	Asia-Pacific Economic Cooperation
ASEAN	Association of Southeast Asian Nations
ASP	Africa Stockpiles Programme
AusAID	Australian Agency for International Development
BAT	best available techniques
BEP	best environmental practices
BRIICS	Brazil, Russia, India, Indonesia, China and South Africa
CIEN	Chemicals Information Exchange Network
CILSS	Permanent Interstate Committee for Drought Control in the Sahel
CEGESTI	Centro de Gestión Tecnológica e Informática Industrial
CFCs	Chlorofluorocarbons
COPD	chronic obstructive pulmonary disease
CSA	Centre for Sustainable Agriculture
CSCL	Chemical Substances Control Law
CSD	Commission on Sustainable Development
CSIR	Centre for Scientific and Industrial Research
CWS	Centre for World Solidarity
DDD	1,1-dichloro-2,2-bis(p-chlorophenyl)ethane
DDE	1,1-dichloro-2,2-bis(p-chlorophenyl)ethylene
DDT	1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane
DecaBDE	Decabromodiphenyl ether
ECZ	Environment Council of Zambia
EDCIF	Environmental Defence and Consumer Interest Forum
EMG	Environmental Management Group
ESTIS	Environmentally Sound Technology Information System
FAO	United Nations Food and Agriculture Organization
FSCI	Foundation to Support Civil Initiatives
GAP	Good Agricultural Practice
GEF	Global Environment Facility
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GLP	Good Laboratory Practice
GPS	Global Product Strategy
HPV	High Production Volume

IARC	International Agency for Research on Cancer
ICCA	International Council of Chemicals Associations
ICCM	International Conference on Chemicals Management
ICM	Inter-agency Coordinating Mechanism
IETC	International Environmental Technology Centre
IFCS	Intergovernmental Forum on Chemicals Safety
IGOs	inter-governmental organizations
ILO	International Labour Organization
IOMC	Inter-Organization Programme for the Sound Management of Chemicals
IPEN	International POPs Elimination Network
IPM	integrated pest management
LRI	Long-range Research Initiative
MDGs	Millennium Development Goals
MEAs	Multilateral Environmental Agreements
MENR	Ministry of Ecology and Natural Resources
Mercosur	Mercado Común del Sur (Southern Common Market)
MOFA	Ministry of Food and Agriculture
MRL	maximum residue limit
NACEC	North American Commission for Environmental Cooperation
NAFTA	North American Free Trade Agreement
NARAPs	North American Regional Action Plans
NEMA	National Environmental Management Agency
NGOs	non-governmental organizations
NIP	National Implementation Plan
NPM	Non Pesticidal Management
OctaBDE	Octabromodiphenyl ether
ODS	ozone-depleting substances
OECD	Organization for Economic Cooperation and Development
ORRChem	Ordinance on Risk Reduction related to Chemical Products
PBT	persistent, bioaccumulating and toxic
PCBs	polychlorinated biphenyls
PCDDs	polychlorinated dibenzo-p-dioxins
PCDFs	polychlorinated dibenzofurans
PEAP	Poverty Eradication Action Plan
PentaBDE	Pentabromodiphenyl ether
PFAS	perfluoroalkyl sulfonate
PFCs	perfluorinated chemicals
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
PFOSF	perfluorooctane sulfonyl fluoride

PICs	Pacific Island countries
POCs	persistent organochlorine compounds
POPRC	POPs Review Committee
POPs	Persistent Organic Pollutants
PRTR	Pollutant Release and Transfer Register
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RC	Responsible Care
RCGC	Responsible Care Global Charter
SAARC	South Asian Association for Regional Cooperation
SADC	Southern Africa Development Community
SAICM	Strategic Approach to International Chemicals Management
SERP	Society for Elimination of Rural Poverty
SMOC	Sound Management of Chemicals
SPREP	South Pacific Regional Environment Programme
SPREP	Secretariat of the Pacific Regional Environment Programme
SMEs	small and medium sized enterprises
SNURs	Significant New Use Rules
TBBPA	Tetrabromobisphenol A
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
UNCED	United Nations Conference on Environment and Development
UNDESA	United Nations Department of Economic and Social Affairs
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNIDO	United Nations Industrial Development Organization
UNITAR	United Nations Institute for Training and Research
U.S. EPA	United States Environmental Protection Agency
WHO	World Health Organization
WSSD	World Summit on Sustainable Development
WWF	World Wildlife Fund

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Foreword

The current cycle of the Commission on Sustainable Development (CSD) in its 18th and 19th sessions (2010 and 2011) will address the themes of chemicals, transport, waste management, mining, and the ten-year framework of programmes on sustainable consumption and production patterns. The goal is for these discussions to lead to the development of policy actions and measures to accelerate implementation in these thematic areas. In the area of chemicals, the Commission's work will specifically focus on reviewing progress and identifying policy actions in achieving the World Summit on Sustainable Development (WSSD) 2020 goal on sound management of chemicals. This publication aims to support the Commission in the achievement of this objective.

This volume presents successful practices and experiences in the sound management of chemicals worldwide, in both developed and developing countries. Nearly all case studies included were developed by individuals directly involved in the projects selected. The cases encompass information about the history of the projects as well as challenges, implementation experiences, lessons learned and future plans. It should, however, be noted that these case studies are but a small sample of the body of knowledge that is available in this area.

In addition to assessing current trends in chemicals management, this publication makes a case for scaling up the experiences presented to realize a larger scale impact. Towards this aim, some emerging issues and priority areas which require Commission's attention have been identified.

This publication notes that significant progress has been made on the sound management of chemicals, and that many best practices and successful experiences in reducing and preventing chemical risks and hazards through better practices in production, storage, transport, use and disposal of chemicals have emerged all around the world. Additionally, many programmes and projects for strengthening of information sharing, risk assessment, reduction and prevention, capacity building and awareness raising, as well as on the development of indicators and monitoring have been initiated. Despite these achievements, however, the fact remains that chemicals continue to have a significant negative impact both on human health and the environment.

While efforts to improve the management of chemicals are needed in all parts of the world, this publication focuses on the challenges that developing countries and countries with economies in transition face, where the need is urgent and greatest. It is hoped that this volume will enhance the readers' understanding about the challenges and issues confronting chemicals management, as well as about the policy options available to address them.

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