



# HAZARDOUS SUBSTANCES MANAGEMENT IN INDONESIA

By:

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Republic of Indonesia

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# 1. Why do we need chemicals management?

## 1. Chemicals are part of every day's life

- ❖ In a modern society we can not live without functions such as cleaning agents, pesticides and fertilizers, plastics or petrol ;
- ❖ Chemicals are used in virtually every sector of modern society as such or as raw material and additives

## 2. There are more than tens of thousands of chemical substances on the market

Estimate are circulating in the world 2013: - . 13 million ton  
- . 140.000 substances

## 3. The production volumes are high and they are increasing: every year the volume of production are increases about 700 substances per year

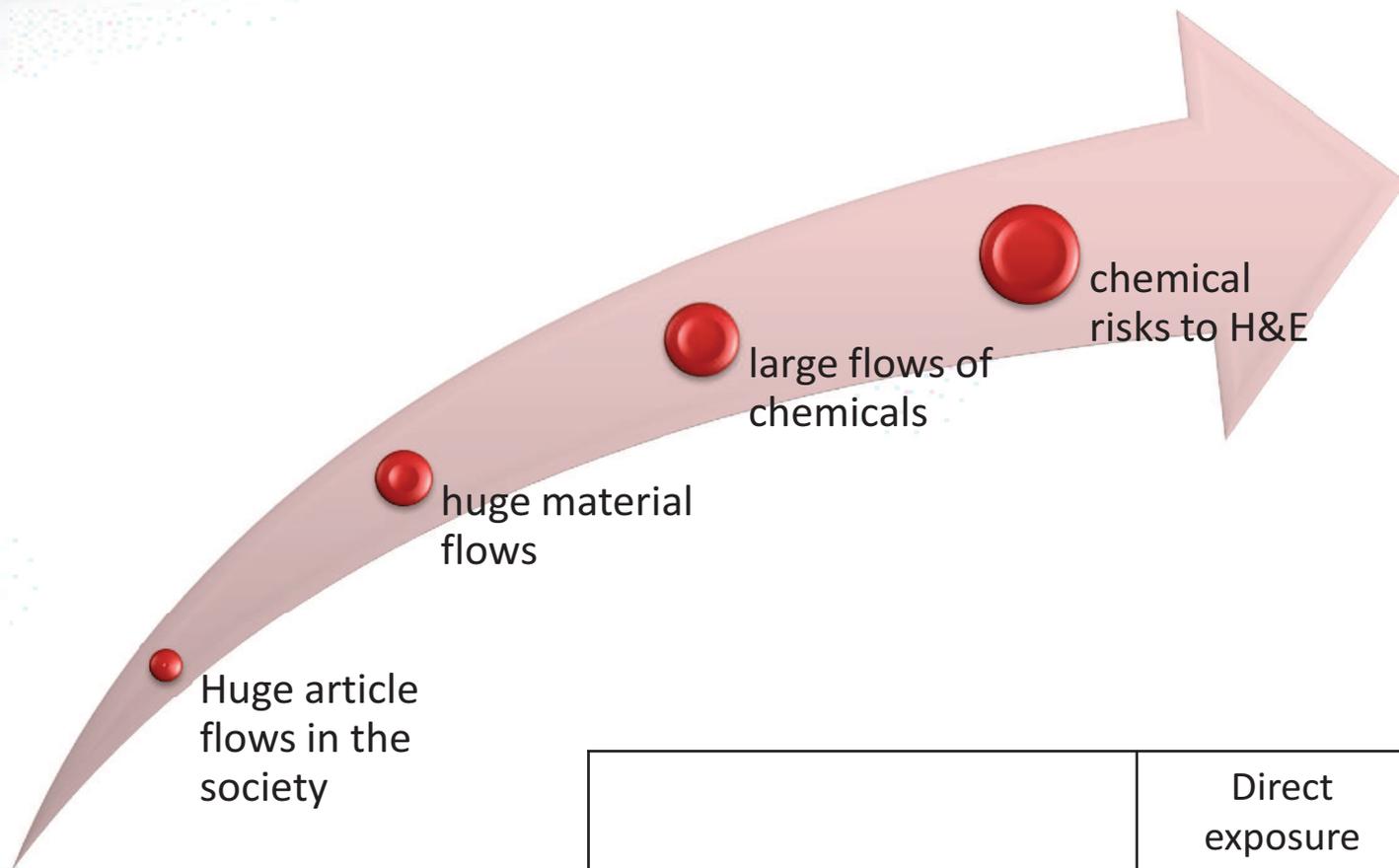
ex: Production of chemicals in Asia Pacific will increases 40% from 2012-2020 (data GCO)

## 4. Chemical substances are spread globally with trade

## 5. People are exposed to chemicals at work, at home and through the environment



# Increasing Trade of Chemicals



	Direct exposure	Exposure via the environment
Workplace	x	x
Use at home	x	x
3R and wastes handling	x	x

# National Regulations On Chemicals/Hazardous Substances

- Act No. 19 Year 2009 concerning ratification on Stockholm Convention on Persistent Organic Pollutants
- Act No. 32 Year 2009 concerning environmental protection and management
- Act No. 10 Year 2013 concerning ratification on Rotterdam Convention on the Prior Inform Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade
- Government Regulation No. 74 Year 2001 concerning hazardous and toxic substances (B3) management
- Ministerial Decree No. 03 Year 2008 on Procedure for Administrating Symbol and Label on Hazardous and Toxic Substance
- Ministerial Decree No. 2 Year 2010 concerning electronic registration system on hazardous and toxic substances within INSW framework at Ministry of Environment
- Ministerial Decree No. 23/M-IND/PER/4/2013 regarding the Revision of Ministerial Decree of Industry No. 87/M-IND/PER/9/2009 regarding Globally Harmonized System of Classification and Labeling of Chemicals

# Government Regulation No. 74 Year 2001

- Definition
- Scope of regulation
- Hazardous substances classification
- Registration, notification, storage, symbol and label, transportation, controlling
- List of B3

# Government Regulation No. 74 Year 2001

- Definition

Hazardous substances is substance/material which its nature or and its amount and or its concentration, either directly or indirectly, can pollute or damage the environment, and or may endanger the environment, human health, and survival of human beings as well as other life.

- Scope of Regulation : EXCEPTION

- Radioactive materials,
- Explosives,
- Mining and production of oil and gas and their processed products,
- Food and beverages and other food additives,
- Household medical supplies,
- Cosmetics,
- Pharmaceutical ingredients,
- Narcotics, psychotropic substances and precursors as well as other addictive substances,
- Chemical weapons and biological weapons

# Hazardous Substances Classification

## Characteristics

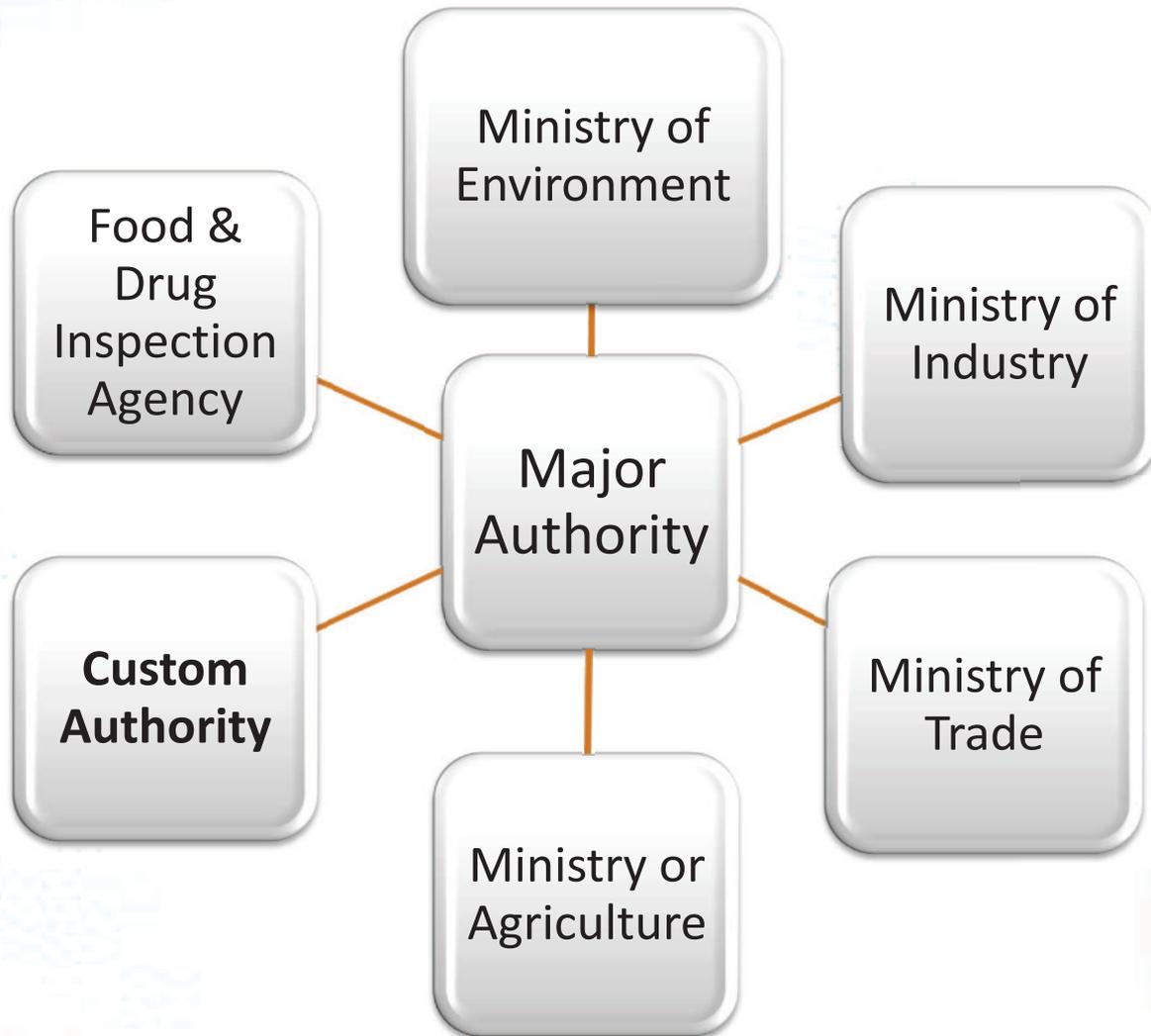
1. Explosive
2. Oxidizing
3. Extremely flammable
4. Highly flammable
5. Flammable
6. Extremely toxic
7. Highly toxic
8. Moderately toxic
9. Harmful
10. Corrosive
11. Irritant
12. Dangerous to the environment
13. Carcinogenic
14. Teratogenic
15. Mutagenic

## List of Hazardous Substances

- Can be used
- Limited used
- Banned for used

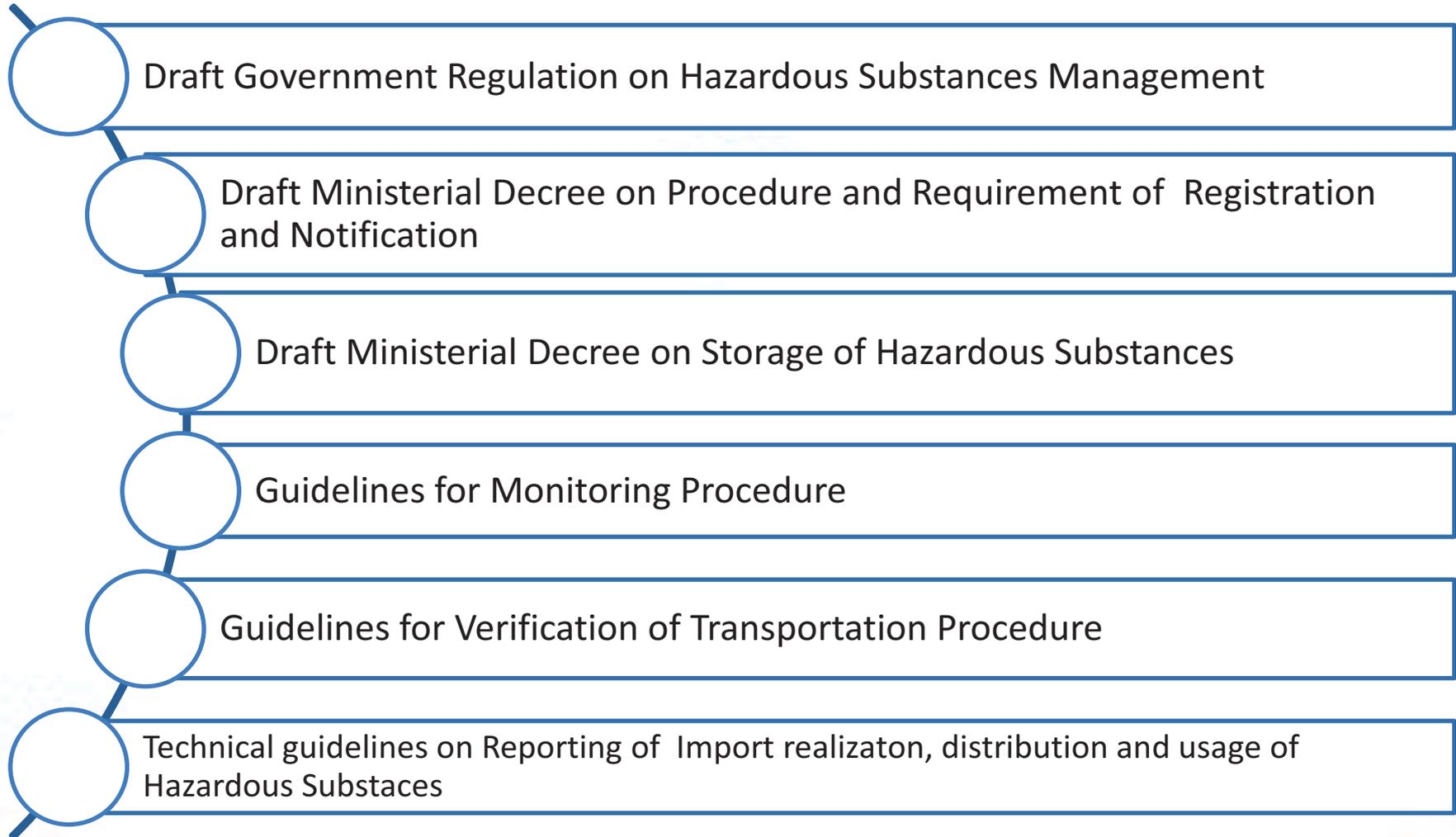


# Related Government Actors In Chemical Management



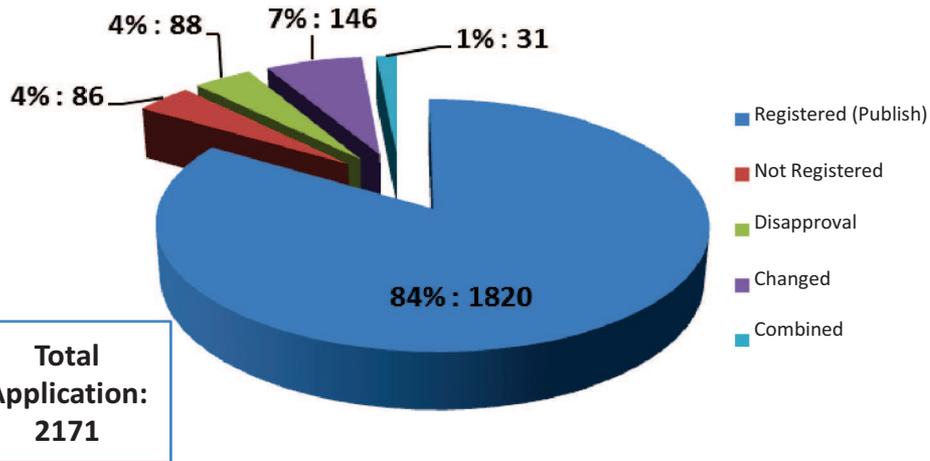
# Implementation Hazardous Substances Management Activities

## A. Development of Hazardous Substances Strategic Policies

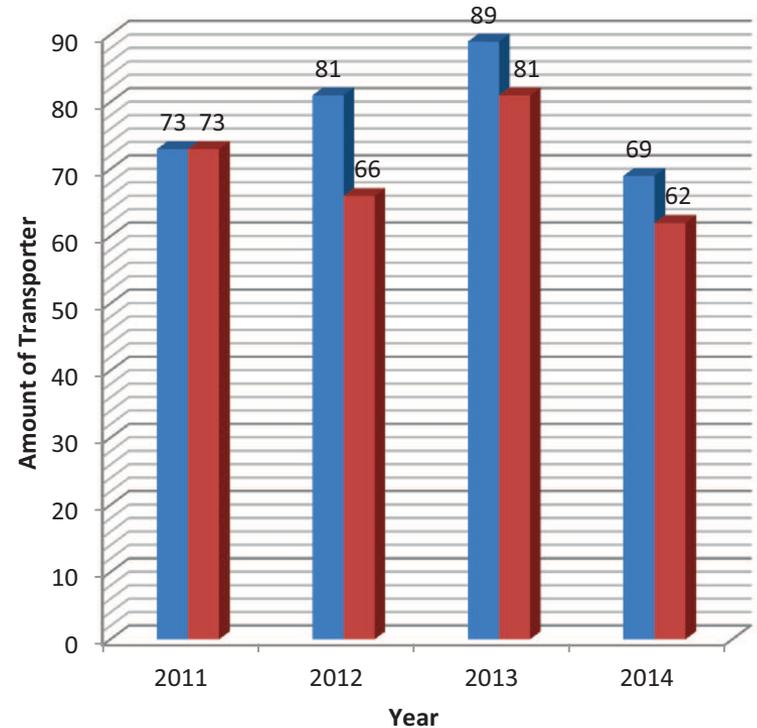


# B. Hazardous Substances Management Activities

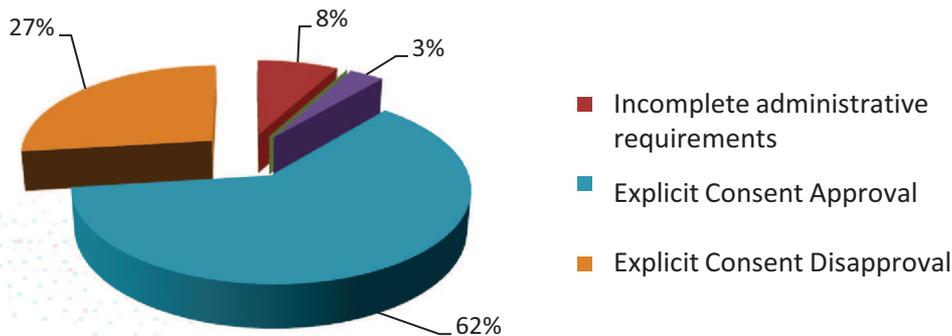
### Registration in 2014



### Transporter Recommendation 2014



### Import Notification in 2014



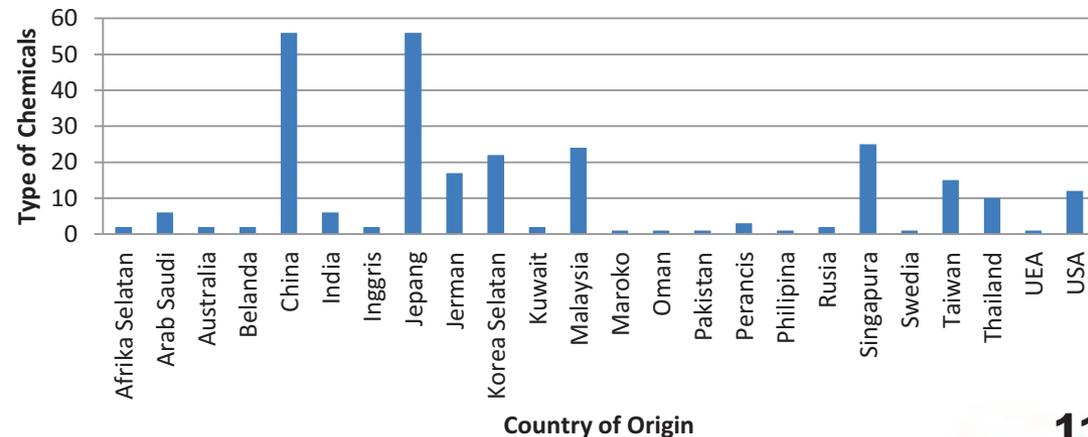
■ Total Application    ■ Application approved

# Import of Hazardous Substances in Indonesia (Jan-Des 2014)

- Total Import: 136 substances (Japan: 56 ; China: 56)
- Importir country: 24 countries.
- Volume of Import: 834.722,3 tons dan 73.130,5 litres.



The Country of Origin vs The Type of Hazardous Substances



# Ex: Reporting Format <sup>1)</sup>.....

Nama :  
 Perusahaan<sup>2)</sup> :  
 Alamat<sup>3)</sup> :  
 Telp / Fax<sup>4)</sup> :  
 Bidang Usaha<sup>5)</sup> : 1 Importir Distributor   
 2 Importir Produsen   
 Importir Distributor dan   
 3 Produsen   
 Periode Waktu<sup>6)</sup> :

No	Bulan	Nama B3	Nama Daging	Nomor Registrasi B3	CAS Number	Asal Negara	Pelabuhan Bongkar	Rencana Impor (Kg/Ton/L/m <sup>3</sup> )	Volume Impor (Kg/Ton/L/m <sup>3</sup> )	Stok Awal (Kg/Ton/L/m <sup>3</sup> )	Jumlah B3 yang digunakan/didistribusikan* (Kg/Ton/L/m <sup>3</sup> )	Tujuan Penggunaan / Distribusi	Stok Akhir (Kg/Ton/L/m <sup>3</sup> )	Keterangan
									(A)	(B)	(C)		(A+B)-C	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Laporan dikirim kepada:  
 Deputi MENLH  
 Bidang Pengelolaan Bahan Berbahaya dan Beracun dan Limbah Bahan Berbahaya dan Beracun dan Sampah Gedung C, Lt.2  
 Jl. DI Panjaitan Kav. 24 Jakarta 13410  
 Atau email ke: [registrasi.b3@gmail.com](mailto:registrasi.b3@gmail.com)

Pengesahan,

(Pihak Perusahaan)

# Monitoring

## Objective

- Get the data/information on import realization, usage, and distribution and determine the suitability of administrative procedures, storage procedure and reduction of risk to human health and environment.

## Target

- Availability of data and information about the realization import, circulation and using of hazardous substances by the company
- Coaching and performance improvement of the activity in compliance with the rules and procedures in the hazardous substances management;
- Increasing awareness to the potential risk in the hazardous substances management that affect to human health and the environment

# Cont...

## Monitoring object

- importer Manufacturer
- importer Distributor
- Importer Manufacturer-Distributor

## Achievement 2014

- 50 industries monitored (10 industries imported Hazardous Substances limited to use)

# Monitoring Tools

- Regulation
- Chemicals  
Registration/Notification  
documents
- Others documents
- Databases



# Methods

- **On site**

SDS and labelling – Import realization –  
Handling & Storage - Distribution system –  
Production Process

- **Checklist**



# Result

- Most of company have conducted hazardous substances management properly
- There are still quite a lot of companies are not reporting the realization of the import and using of Hazardous Substances.



# C. Capacity Building on Hazardous Substances Management



## Participants:

- Local Government
- Industries
- Importer
- Transporter



# LATEST DEVELOPMENT



# Revision of GR No. 74/2001

- Basis for revision
  - Mandate of Act No. 32/2009
  - International Agreement or Convention : Stockholm Convention, Rotterdam Convention, SAICM, GHS
  - Chemical development
  - Evaluation of the implementation
- Changes
  - Classification : characteristics → GHS
  - Type of chemicals : single, mixture, preparation
  - List of hazardous substances
  - Scope of regulation
  - Technical team
- Draft has been discussed with other ministries :
  - Harmonization with draft of chemical act
  - Role of ministries and local government
  - List of hazardous substances

# Draft Ministerial Decree on Storage of Hazardous Substances

- Basis for development :
  - Article 18 GR No. 74/2001
- Latest development :
  - Draft of ministerial decree has been discussed with industries.

# Hazardous Substances Technical Team

- Basis for formation :
  - Article 21 GR No. 74/2001
- Draft of Technical Team
  - Members : relevants ministries, universities, industrial associations;
  - Tasks : recommend hazardous substance categorization and importation on new hazardous substance



# Hazardous Substances Technical Team (con'td)

- Latest development:
  - Initial meeting with relevant ministries has been done. Issues that has arised were purpose of formation, scope of work and relation to other existing teams.
  - POPs Technical Team
  - New Chemicals Technical Team
  - Mercury Technical Team



# Chemicals Inventories and Data

- Registration and Notification Data
  - Hazardous substances that can be used
  - Hazardous substances that limited used



## Simple database

- Name of chemical
- Country of origin
- Volume of import
- The usage
- The distribution

# International Cooperation



Stockholm Convention

Ratified of Stockholm Convention at 2009.  
Act No. 19 year 2009



Rotterdam Convention

Indonesia ratified Rotterdam Convention at 2013. Act No. 10 Year 2013

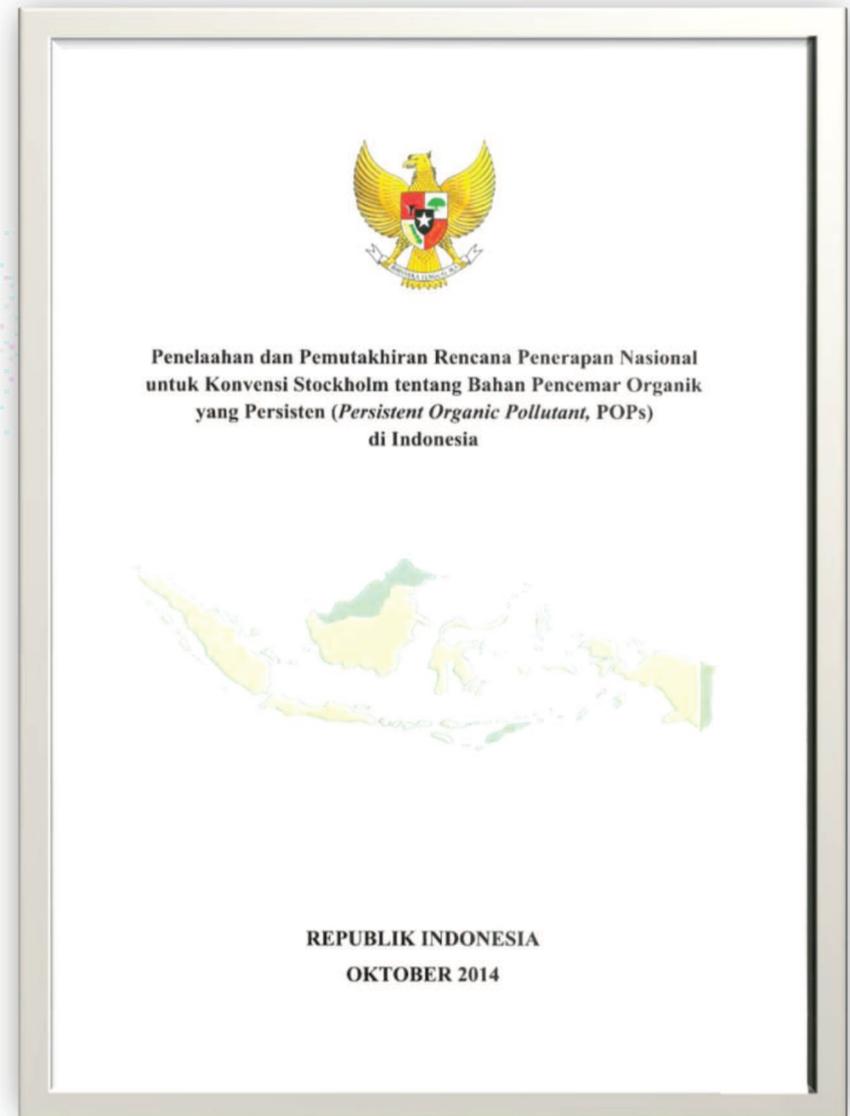
Minamata Convention



Indonesia signed of Minamata Convention at 2013

# Review and Update NIP POPs

It has been signed by the Minister of Environment on October 8, 2014 and in the endorsement process to Stockholm Convention Secretariat



# Toward the Ratification of Minamata Convention

1. Identification and Inventarisation of regulation and technical data through the activities:
  - Workshop/Dissemination information
  - Monitoring and analisis
  - Preparation of the health impact assesment
2. Technical and Coordination Meeting
3. Establish and Implementation of National Action Plan on ASGM
4. Harmonizing the existing laws and regulations, as well as drafting new national legislation.
5. Develop of Academic Transcript

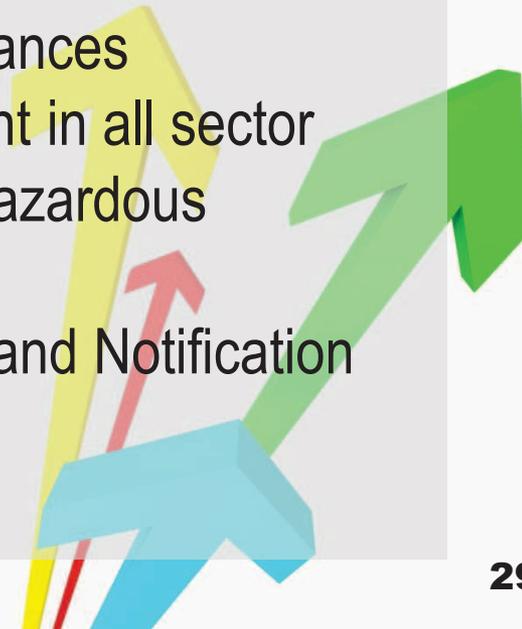


# National Regulation in Relation with Minamata Convention

- Ministerial Decree No. 75/2014 on Second Amendment of Ministerial Decree No. 44/2009 on Procurement, Distribution, and Supervision on Hazardous Substances
- Draft Ministerial Decree on countermeasure and environmental pollution or damage caused by coal and mineral mining activities

# Future Activities on Hazardous Substances Management

1. Development of National Action Plan on Mercury Management
2. Implementation of National Action Plan on ASGM
3. Implementation of National Action Plan on POP's
4. Ratification of Minamata Convention
5. Inventory Data and Technical Identification through : Registration, Notification, permit and recommendation
6. Conducting a Categorization of Hazardous Substances
7. Monitoring of Hazardous Substances Management in all sector
8. Finalization of Ministerial Decree on Storage of Hazardous Substances
9. Finalization of Ministerial Decree on Registration and Notification
- 10.etc



*TERIMA KASIH*  
*Thank you*

