

CP Promoting Systems in China

YIN Jie

China National Cleaner Production Center

Brazil

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General

**Introduction of
CP into China**

Promoting System

**Four systems
established for
promoting CP in
China.**

Recommendations

**Three
recommendations
proposed**

1. General Introduction

❖ In 1993, the first CP project “Promoting CP in China” was initiated by the World Bank in China

❖ After nearly two decades,
China has formed an
all-round promoting system for CP



2. Promoting System

Regulatory System

Administrative System

Technical Supporting System

Education and Training System

2.1 Regulatory System

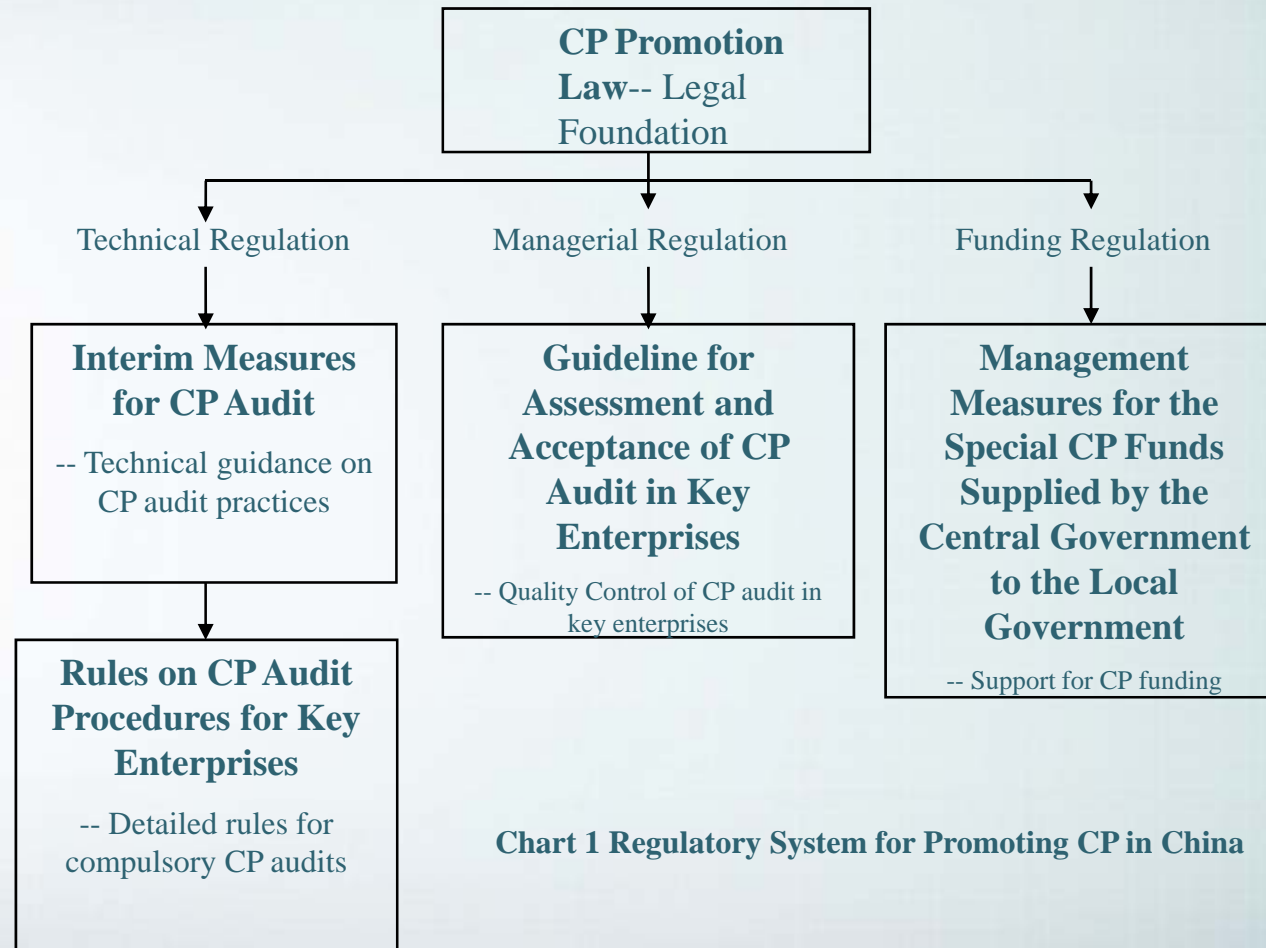


Chart 1 Regulatory System for Promoting CP in China

2.1.1 Regulatory System-CP Promotion Law

CP Promotion Law

2003



2.1.1 Regulatory System-CP Promotion Law

❖ **CP Promotion Law is just fitting for the national situation of China**

Aiming at promoting CP in China, so as to enhance the utilization rate of resources, reduce the generation of wastes, and furthermore protect and improve the environment and health of human beings, eventually it can help the sustainable development of the whole economy and society.

2.1.1 Regulatory System-CP Promotion Law

- ❖ **CP Promotion Law defining the specific responsibilities of each governmental body at national and local levels**
- ❖ **Making detailed description on the implementation of CP and encouraging measures**

2.1.1 Regulatory System-CP Promotion Law

❖ **The law requires two categories of enterprises carry out CP audit:**

C1: Enterprises that exceed the national or local discharging standards or exceed the total volume control targets

C2: Enterprises that use toxic and hazardous materials in production or discharging toxic and hazardous substances

2.1.2 Regulatory System-Technical Regulations

Technical Regulations

Interim Measures for CP Audit

- Specific requirements for CP audits.
- **Firstly put forward “compulsory CP audit” clearly.**

Rules on CP Audit Procedures for Key Enterprises

- **Detailed procedures for compulsory CPAs in Key Enterprises**
- **Specified responsibilities of local environmental administrations**

2.1.3 Regulatory System-Managerial regulations

Managerial Regulations

- ❖ **Guideline for Assessment and Acceptance of CP Audit in Key Enterprises**
- ◆ **The Guideline stipulates two-step procedure, the first step is the assessment of the CP audit and the second one is the acceptance of the CP audit**
- ◆ **The Guideline helps the environmental administrations control and monitor the quality of compulsory CP audit at a higher level, and guarantees the real effectiveness of the CP audits**

2.1.4 Regulatory System-Funding Regulations

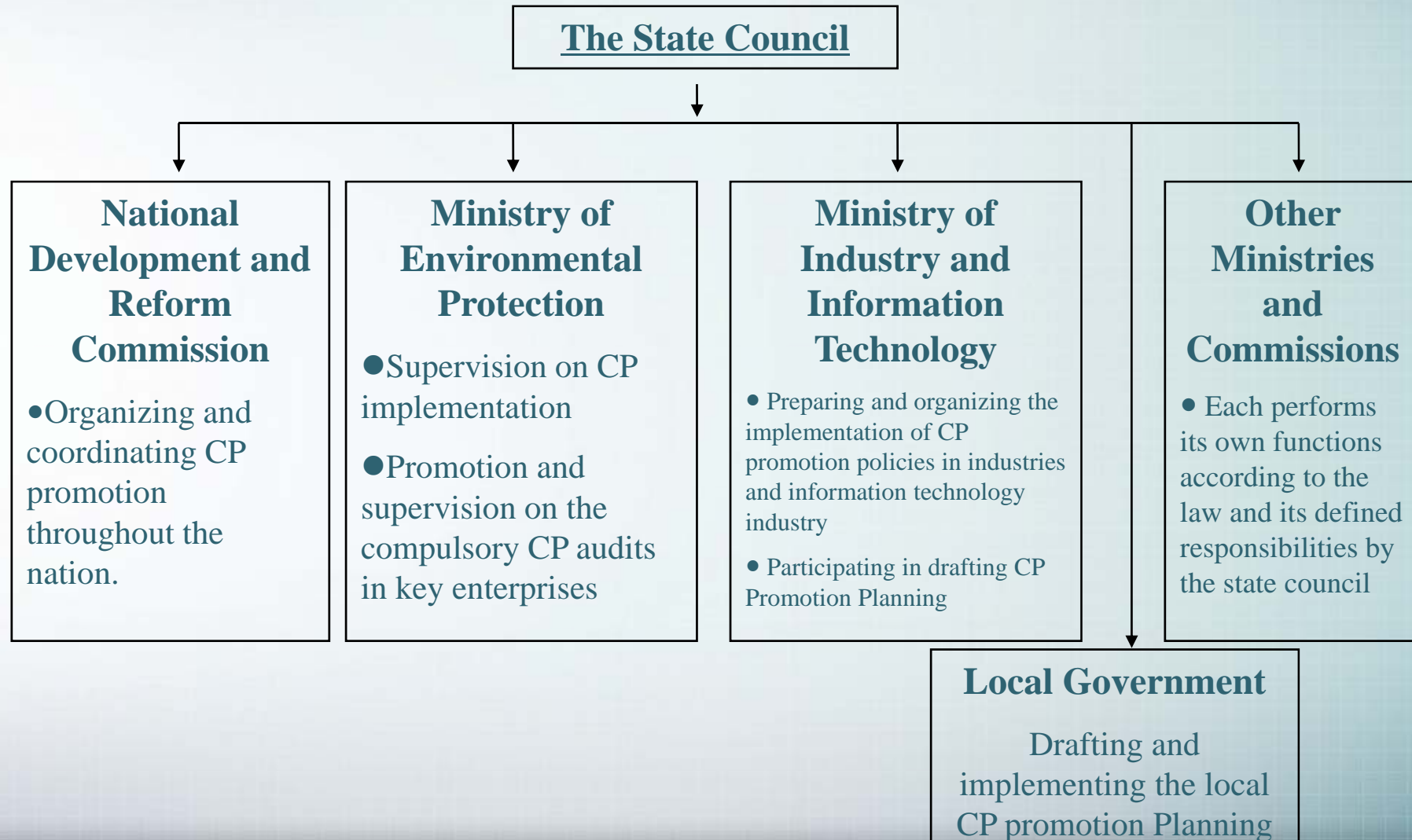
Funding Regulations

- ❖ **Management Measures for the Special CP Funds Supplied by the Central Government to the Local Government**
- ◆ **The key industrial :petrochemical, metallurgy, chemistry, light industry, textile and building materials**
- ◆ **The small sized enterprises :with less than 2000 employees, with less than RMB 300 million yuan (about USD 44 million) of the sales, with less than RMB 400 million yuan (about USD 59 million) of the total assets**

2.1.4 Regulatory System-Funding Regulations

- ❖ **The Special CP Funds will be allocated in the term of subsidy for the following CP projects**
 - ◆ **Focusing on the source reduction of pollutants, including improving the product design, using nontoxic raw materials and cleaner or renewable energies, and applying advanced low-material-consumption technologies and equipments**
 - ◆ **Reducing pollutants from the process control, such as updating the production lines, improving management level and strengthening the on-site monitoring**
 - ◆ **Reusing or recycling all the waste materials, water and energy.**
 - ◆ **Applying mature CP technologies and processes, which are appropriate for demonstration and dissemination**
 - ◆ **Other CP projects that can be demonstrated and promoted.**

2.2 Administrative System



2.2 Administrative System

2.2.1 National Development and Reform Commission (NDRC)

- ◆ **Organizing the drafting of the CP Promotion Law**
- ◆ **Issuing the Interim Measures for CP Audits jointly with MEP**
- ◆ **Publishing the three CP Technology Inventories**
- ◆ **Publishing the CP evaluation indicators system**
- ◆ **Initiating a project of CP demonstrative Cities**
- ◆ **Organizing a large number of activities and campaigns**

2.2 Administrative System

2.2.2 Ministry of Environmental Protection (MEP)

- ◆ **Publishing the Rules on CP Audit Procedure for Key Enterprises**

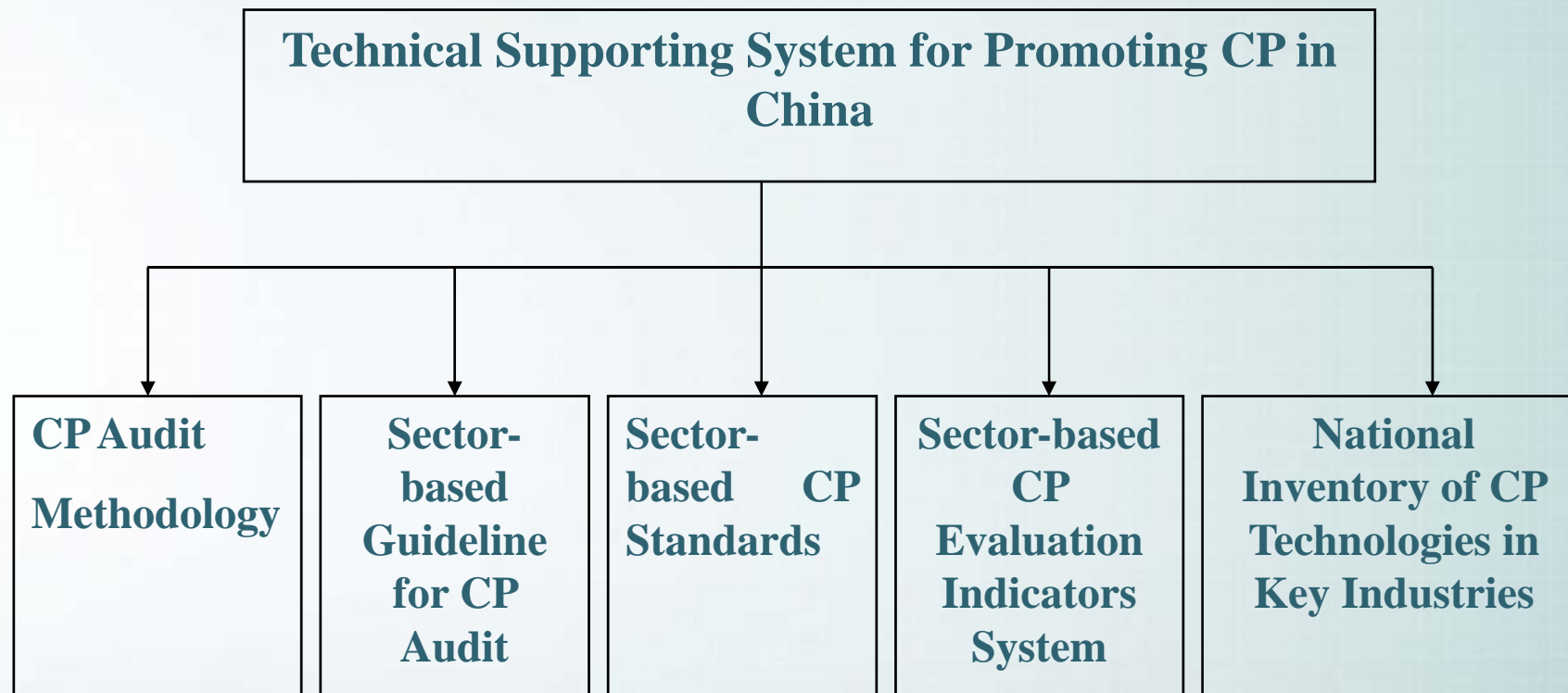
- ◆ **Publishing the Guideline for Assessment and Acceptance of CP Audits in Key Enterprises**

2.2 Administrative System

2.2.3 Ministry of Industry and Information Technology (MIIT)

- ◆ Preparing and organizing the implementation of CP promotion policies in industries and information technology industry
- ◆ Participating in drafting CP Promotion Planning

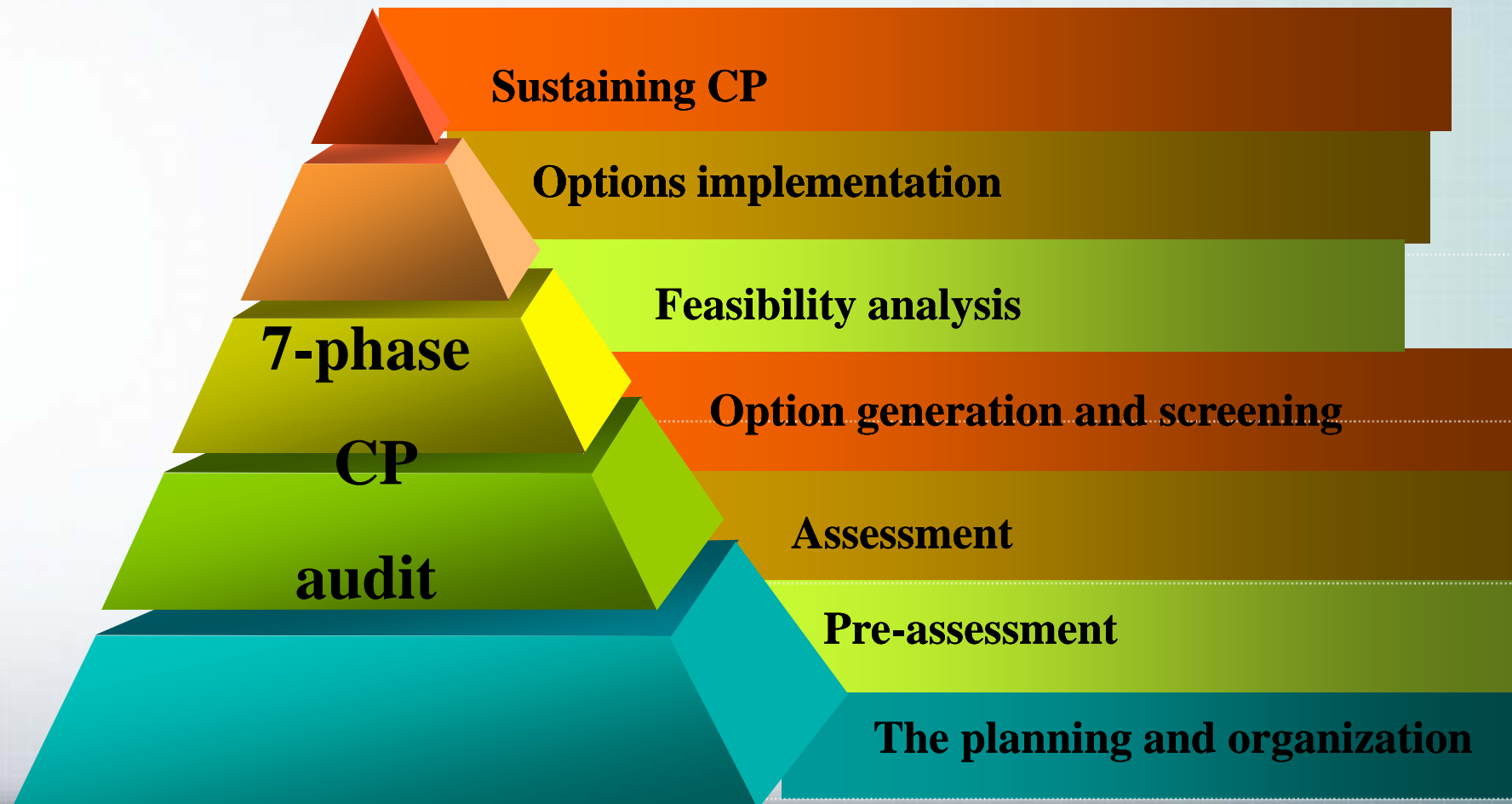
2.3 Technical Supporting System



Technical Supporting System for Promoting CP in China

2.3 Technical Supporting System

CP Audit Methodology



2.3 Technical Supporting System

CP Audit Methodology

The updated methodology has three major characteristics

- ◆ **Compulsory CP audit**
- ◆ **CP audit aims at compliance of emission standards**
- ◆ **CP audit put focuses on the generation of mid/high cost options**



2.3 Technical Supporting System

Sector-based Guidelines for CP Audits

In 1990's

- **Chemical raw materials**
- **Silk dyeing**
- **Electroplating**
- **Brewing**

Now

- Guidelines for nearly 100 sectors are being prepared:**
- **Hotels**
 - **Fertilizer**
 - **Steel**
 - **Petroleum refining etc..**

2.3 Technical Supporting System

Sector-based CP Standards

3 levels

- International advanced level
- Domestic advanced level
- The general level



6 categories

- Production process and equipment
- Resources and energy utilization
- Products
- Pollutants generation
- Wastes reuse and recycling
- Environmental management

42 sectors CP standards(2008)

2.3 Technical Supporting System

Sector-based CP Evaluation

Indicator System

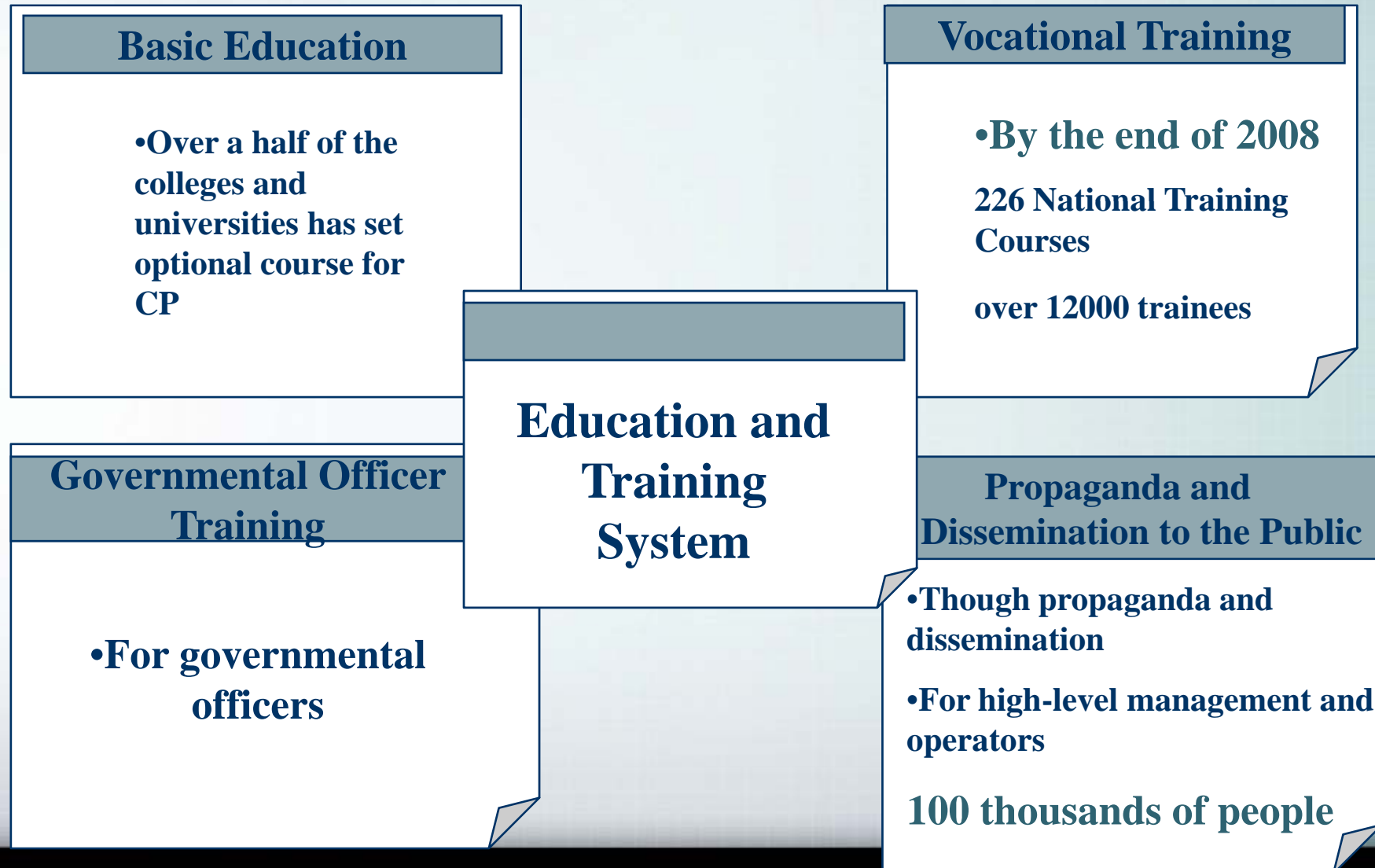
- Nitrogenous fertilizer
- Electroplating
- Steel
- Battery
- Pulp and paper making
- Dying sectors etc(24)

National Inventory of CP

Technologies in Key Industries

- 57 CP technologies (I)
- 56 CP technologies (II)
- 28 CP technologies (III)

2.4 Education and Training System



3. Existing Issues and Counter-Measures Recommended



Finding a cleaner development road



Thank you for your attention