



Joint UNIDO-UNEP Programme on Resource Efficient and Cleaner Production (RECP)



Environmental Management Branch

United Nations Industrial Development
Organisation (UNIDO)

and



UNEP

Sustainable Consumption and Production Branch

United Nations Environment Programme
(UNEP)



Outline

1. Taking stock of NCPC Programme

- The NCPC programme
- Key outcomes
- Lessons learned

2. Moving forward to RECP

- What is RECP
- The Goal
- The Programme module

3. Working with SMEs



Taking Stock

National Cleaner Production Centres (NCPCs)

- Established to foster adaptation and adoption of Cleaner Production

1. Information and awareness creation
2. Professional training
3. Plant level assessments and demonstrations
4. Policy advice
5. Technology transfer and investment

- Programme launched in 1994 and expanded to 47 countries



Major outputs and outcomes

○ **Outputs:**

- **Enterprise level:** energy, materials, chemicals & waste management savings and reduced environmental impacts
- **National level:** core institutional capacity on CP and CP integration in policy and tertiary education
- **Regional level:** cooperation and experience sharing through knowledge management networks

○ **Outcomes**

- Professional and institutional capacities, **improved enabling environment in 47 developing** and transition countries
- **RECP makes good business sense** as a cornerstone for Green Industry and Green Economy
- **Developed resource and knowledge base** on RECP applications, policies and tools
- Facilitated effective partnership between government, business sector and civil society, at national and international level, South-South and North-South



Lessons Learned

○ 2007/8 evaluation confirmed:

- Success in:
 - Putting CP on the agenda of businesses and government
 - Training of professional CP auditors
 - Implementation of CP options in companies
 - Policy change and technology transfer in several countries
- Rising relevance and potential for greater impact
- Need for more programmatic approach to scale up and mainstream RECP

○ Need for a Multi-pronged approach

- Give RECP **strategic priority in national development policy** and international collaboration
- Develop, implement and enforce **policies and regulations**
- Make **technology, products and finance available**
- Use available resources and experiences, including NCPCs and RECP Network



2. Moving forward RECP Programme



- Resource Efficient and Cleaner Production
 - Continuous application of preventive environmental strategies to processes, products and services to increase efficiency and reduce risks to humans and the environment
 - RECP addresses three sustainability dimensions individually and synergistically :
 - *Production efficiency*
 - Through improved productive use of natural resources by enterprises
 - *Environmental management*
 - Through minimisation of the impact on nature by enterprises
 - *Human development*
 - Through reduction of risks to people and communities from enterprises and supporting their development



UNEP

Goal



Challenge

- Decouple economic growth from the use and consumption of natural resources and energy
- *Do more with less* – provide more value with less environmental impact and better economic and ecological efficiency



Response

Sustainable industrial development



health, income, quality of life

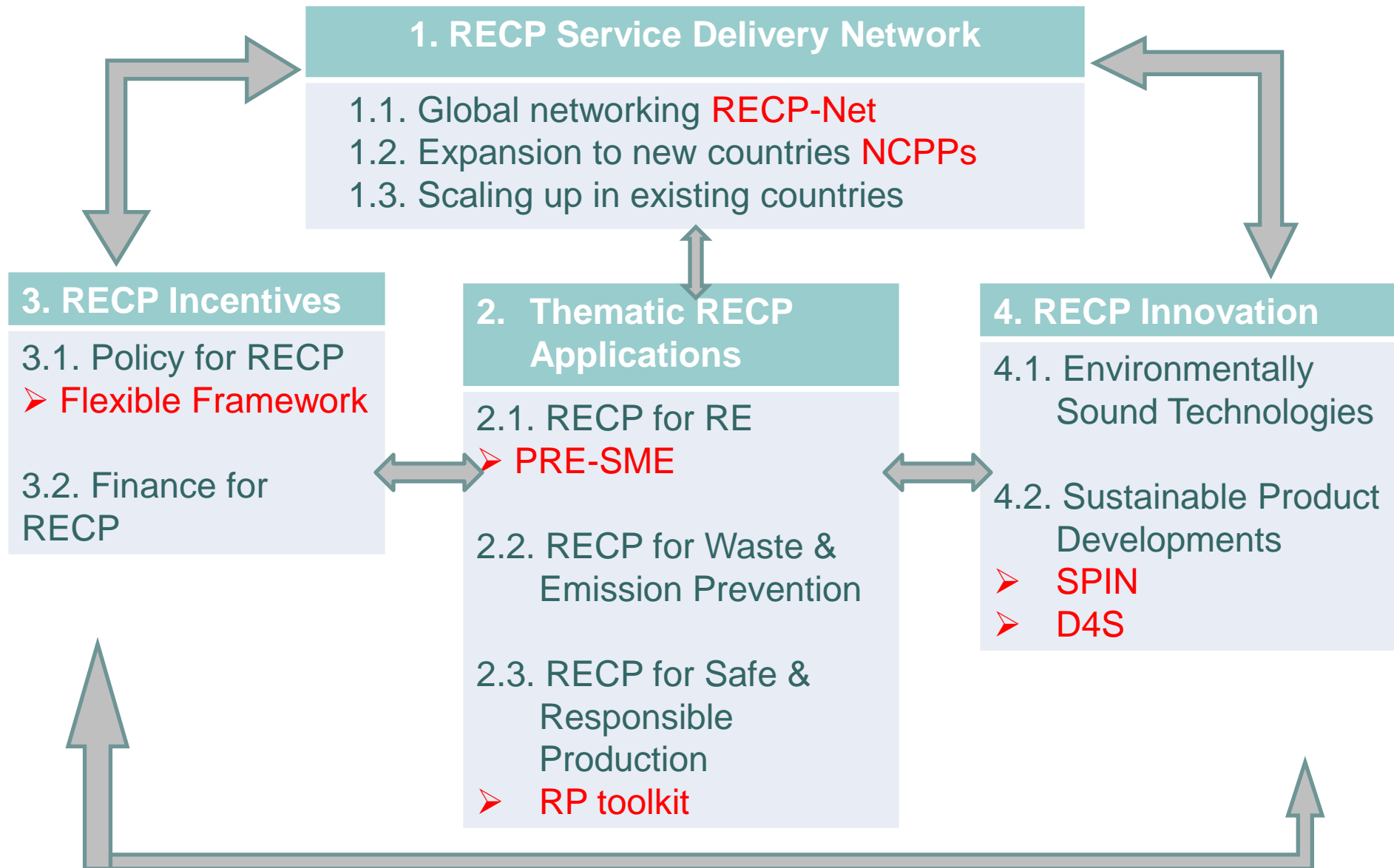


resource use, pollution, waste, impact on nature

towards a green economy



RECP Intervention Modules





Global Network Support

○ RECP NET

- Not-for-profit initiative to bundle and utilize existing capacities of NCPCs and RECP service providers in developing and transition countries
 - Charter and supportive by-laws on membership and code of conduct developed and agreed upon
- Objectives
 - Enable and contribute to effective RECP promotion and implementation
 - Foster North-South and South-South collaboration and transfer of methods, policies and technologies
- Functions
 - Innovation and knowledge management
 - Capacity building
 - Advocacy
 - Quality control and branding



Partnership Modalities

○ Strategic Partners

- Provide resources for core programme activities (backbone) and specific thematic and/or country projects
- Provide leadership and direction as members of Programme Board

○ Project Partners

- Provide resources for several country and/or thematic projects

○ Activity Partners

- Pool resources towards specific activities and/or outputs of the RECP Programme



Working with SMEs: (1)

Promoting resource efficiency in SMEs

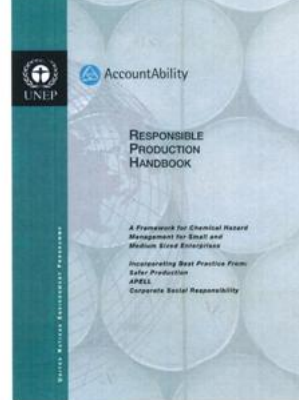
- **Description:** To enhance country capacities to assist **SMEs** develop and implement RECP programmes that will result in reduced manufacturing costs, lower pollution and improved health and safety performance.
- **Timeframe:** 1 year, piloted in Ethiopia and Vietnam
- **Partners:** NCPCs and Ministries of Industry and Environment
- **Activities:** national needs assessment; country T-o-T and industries; interactive toolkit; industrial assessments; industrial RE improvement plans

PRE-SME Toolkit:

- To broaden the substantive scope of the available toolkits from **CP** to **RE** covering both provisioning and the regulation function of the ecosystem
- Ensures the systematic and integrated application of **RE, Cleaner & Safer Production** in SMEs;
- Provides flexible sets of tools and guidance that facilitate a step-wise implementation of RECP by SMEs (CEOs, Operations Managers).
- Serves as a basis to provide capacity building training for industry support service providers in developing countries



Working with SMEs (2)



Responsible Production

- ▶ **Prevention** of chemical accidents, with APELL and a b-to-b approach, promoting risk communication along **value-chain**
- ▶ **Responsible Production Handbook** piloted in Thailand (Chemical Sector) and Peru (Mining Sector)
 - identify and **understand hazards and risks** related to company products and operations;
 - identify opportunities for **reducing risk and costs**;
 - identify and **engage with business partners and communities** to improve safety and preparedness for accidents with chemical products;
 - promote **risk communication** and **product risk information** along the value chain;
 - **train** workers and business partners in chemical safety;
 - **improve procurement systems** to include chemical safety management;
 - **measure and communicate performance** in a transparent way.



● ● ● | Thank You



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