



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

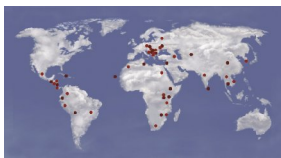
Environmental Management Branch
United Nations Industrial Development Organization (UNIDO)
and
Sustainable Consumption and Production Branch
United Nations Environment Programme (UNEP)

UNIDO-UNEP RECP Programme

Green Industry – Green Economy



Genesis

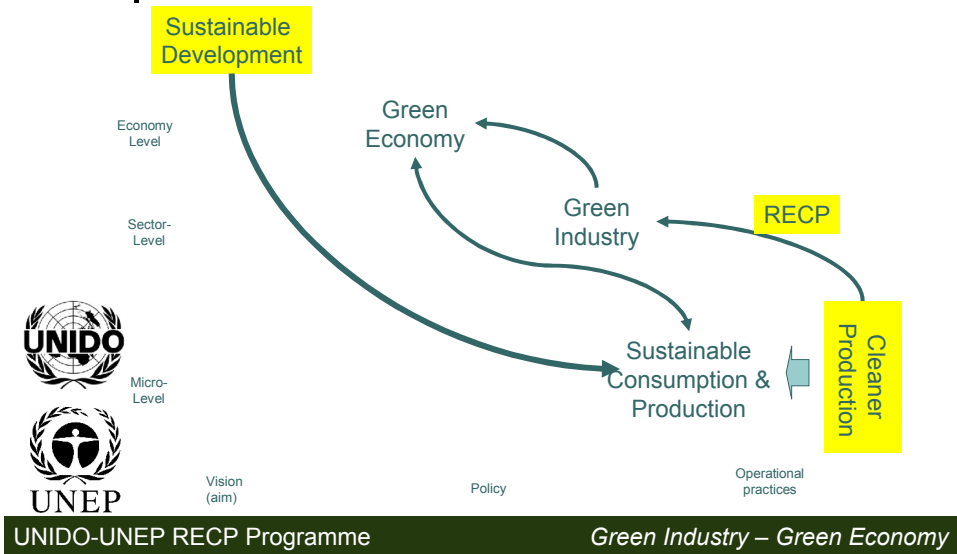


- UNIDO and UNEP collaborate to establish and support National Cleaner Production Centres (NCPCs) which foster adaptation and adoption of Resource Efficient and Cleaner Production (RECP)
 - Programme launched in 1994 and expanded to 47 countries in 2010
 - India, China, Vietnam, Sri Lanka, Lao, Cambodia and Rep of Korea
 - Clearly demonstrated triple benefits of RECP
 - Environmental, social and economic
 - Experience needs to be *scaled-up* and *mainstreamed* to contribute to the achievement of decoupling goals

UNIDO-UNEP RECP Programme

Green Industry – Green Economy

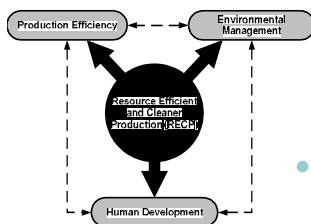
Evolving Context



RECIPe



Resource Efficient and Cleaner Production



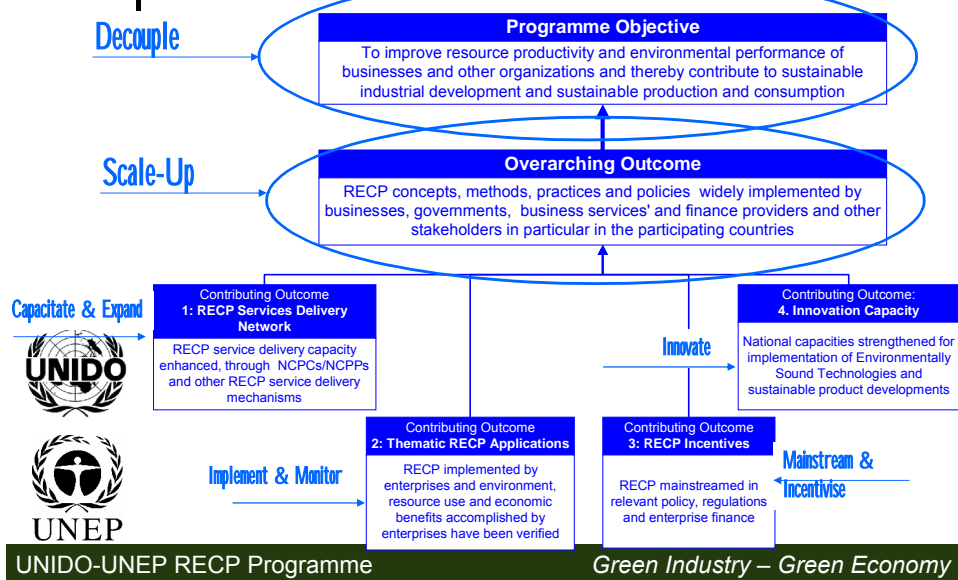
Continuous application of preventive environmental strategies to processes, products and services to increase efficiency and reduce risks to humans and the environment

RECP addresses three sustainability dimensions individually and synergistically :

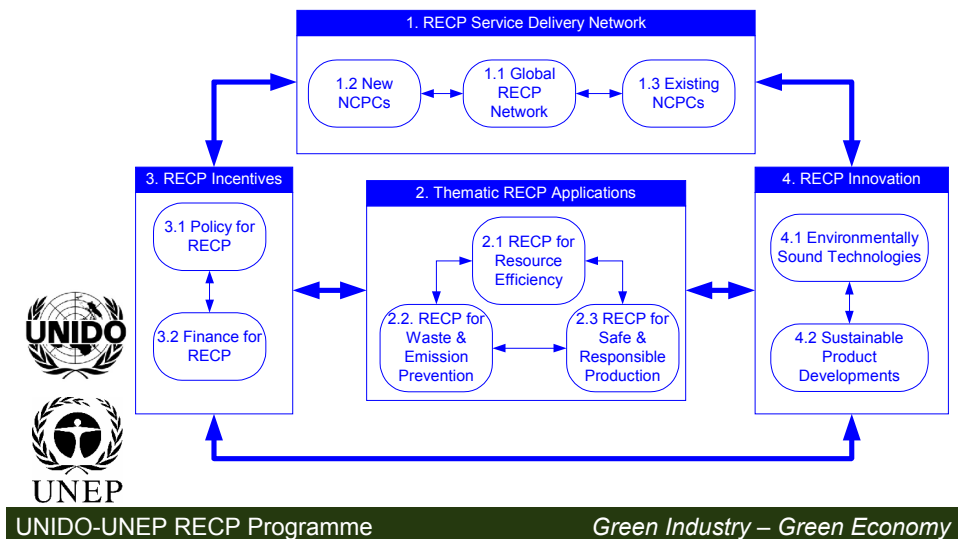
- *Production efficiency*
 - Through improved productive use of natural resources by enterprises
- *Environmental management*
 - Through minimization of the impact on nature by enterprises
- *Human development*
 - Through reduction of risks to people and communities from enterprises and supporting their development



Programme Objective Tree

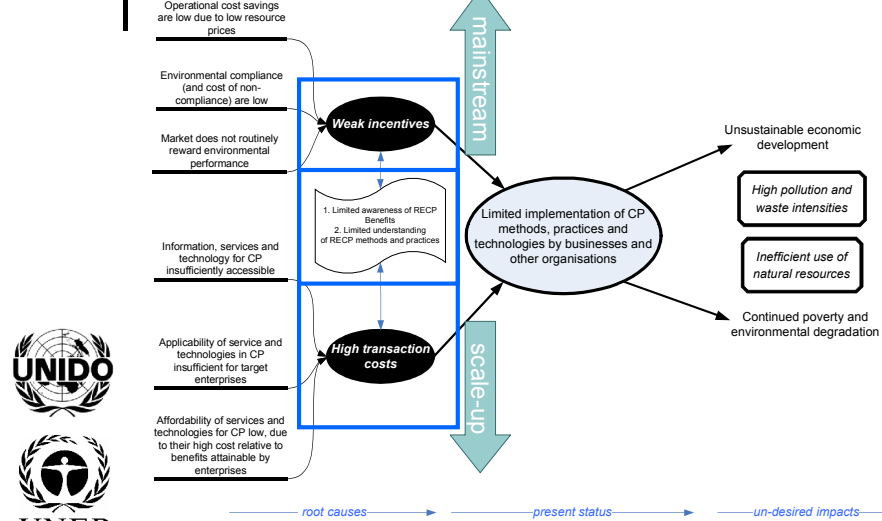


Programme Modules





Analyzing the Challenges



Mainstreaming vs Scaling-Up

Terminology	Description	Principle	Application Areas	Thrust
Mainstreaming	Making it common place, integrated and accepted in daily practice (as compared to specialized side-activity)	Embedding	Procedures, rules, systems and/or institutions of government and businesses, markets, societies and	Doing it <i>routinely</i>
Scaling-Up	Achieving a comparable output with a significantly lower input	Efficiency gains: <i>walk the RECP talk</i>	Methods, tools, techniques and technologies	Making it <i>easier</i>

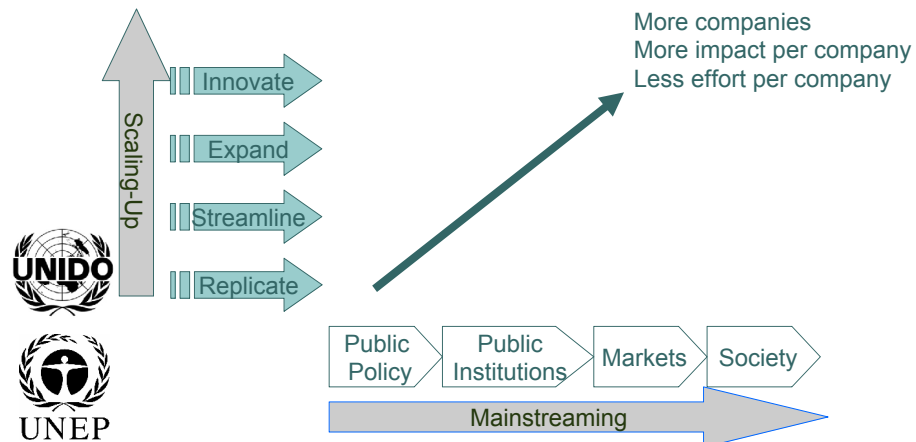


Scaling Up Disentangled

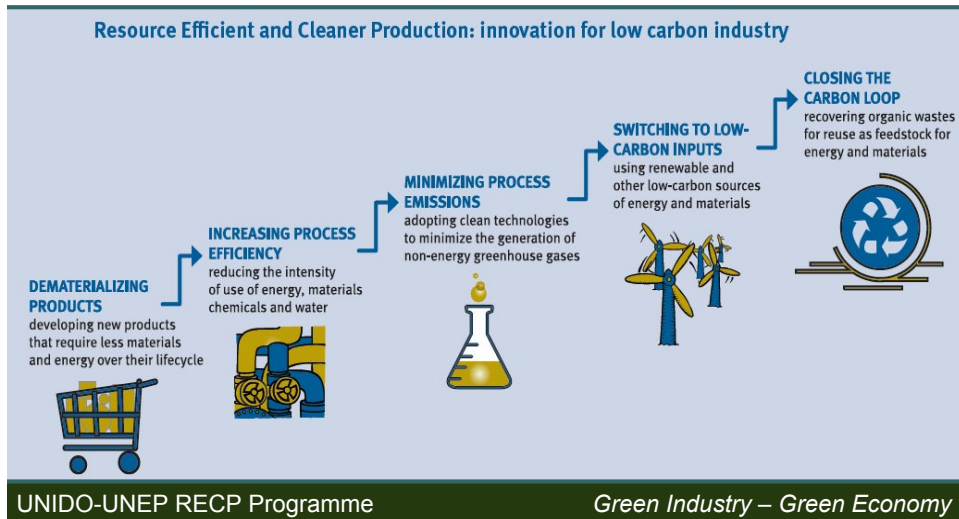
Terminology	Description	Principle	Application Areas	Thrust
1. Replicating	Large scale application of known solutions and best practices ('widening')	Applying	Within the same target group, sector or cluster	Using best practices – business development
2. Streamlining	Eliminating steps that may not be necessary to achieve similar result	Learning	Within the same target group, sector or cluster	Doing it effectively and efficiently
3. Expanding	Seeking new applications and markets for practices proven elsewhere	Adapting	New sectors, countries, clusters, etc	Making it applicable in different areas
4. Innovating	Finding new solutions that have more substantive benefits ('deepening')	Research and development	All areas	Continuous development and improvement



Framework



Thematic Applications



Crafting out of poverty

UNIDO-UNEP RECP Programme GREEN PRODUCTION AND TRADE MDG ACHIEVEMENT FUND VIETNAM

JOINT PROGRAMME ON GREEN PRODUCTION AND TRADE TO INCREASE INCOME AND EMPLOYMENT OPPORTUNITIES FOR THE RURAL POOR

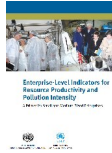
Value chain based approach to green production and trade to alleviate poverty



- Five value chains
 - Bamboo/rattan, silk, seagrass, lacquerware and handmade paper
- Four Northern Provinces provinces
 - Nghe An, Thanh Hoa, Hao Binh and Phu Tho
- Twenty five communes
 - 4,500 households
- Five UN agencies
 - UNIDO, ITC, UNCTAD, ILO and FAO



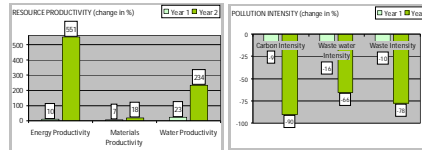
Impact Monitoring



o Set of common indicators to monitor resource productivity and environmental performance in small industries

- Resource Productivity
 - Total materials
 - Total energy
 - Total water
- Pollution Intensity
 - GHG emissions
 - Total waste water
 - Total waste

Absolute Indicator	Change (%) year 1	Change (%) year 2	Relative Indicator	Change (%) year 1	Change (%) year 2
Resource Use			Resource Productivity		
Energy Use	-8	-83	Energy Productivity	10	551
Materials Use	-5	-8	Materials Productivity	7	18
Water Use	-18	-68	Water Productivity	23	234
Pollution generated			Pollution Intensity		
Air Emissions (global warming, CO2 eq.)	-8	-89	Carbon Intensity	-9	-90
Waste Water	-15	-63	Waste water Intensity	-16	-66
Waste	-9	-76	Waste Intensity	-10	-78
Production output	1	8			

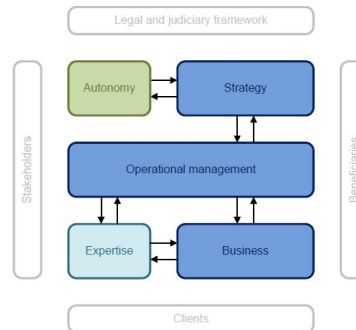


Professionalization and Institutionalization



o Good practice elements for setting up RECP service providers to catalyze mainstreaming and upscaling

- Autonomy
- Strategy
- Operational management
- Business
- Expertise



Knowledge Management System

Electronic platform for knowledge capture and promotion of best practices

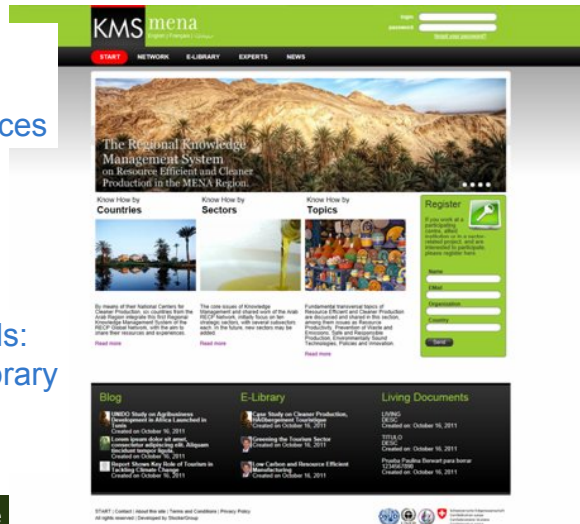
Accessible from three perspectives: country, topic and sector



Structured at three levels: community (blogs); e-library and living documents (wikipedia)

UNEP

UNIDO-UNEP RECP Programme



RECPnet



• Not-for-profit initiative to bundle and utilize existing capacities of NCPs and RECP service providers

- 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

• Became operational on 3rd November 2010 with initial membership of 41 organizations

• First Members Assembly on 19th October 2011 in Nairobi



UNIDO-UNEP RECP Programme

Green Industry – Green Economy

● ● ● | Taking Stock

○ **Principal achievements**

- Built professional and institutional capacities and improved enabling environment in 47 developing and transition countries
- Proven beyond doubt that RECP makes good business sense as a cornerstone for Green Industry and Green Economy
- Developed resources and knowledge base on RECP applications, policies and tools
- Achieved effective partnerships between government, business sector and civil society, at national and international level, South-South and North-South



● ● ● | Moving Forward

○ Main challenge

- **Scale-up and mainstream RECP!**
 - *“Turn RECP from a leading practice adopted by selected leading enterprises to a common practice of the vast majority of enterprises”*
- Critical elements
 - Give strategic priority to RECP 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 NCPs and RECP Network



● ● ● | Thank You



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RECP net

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