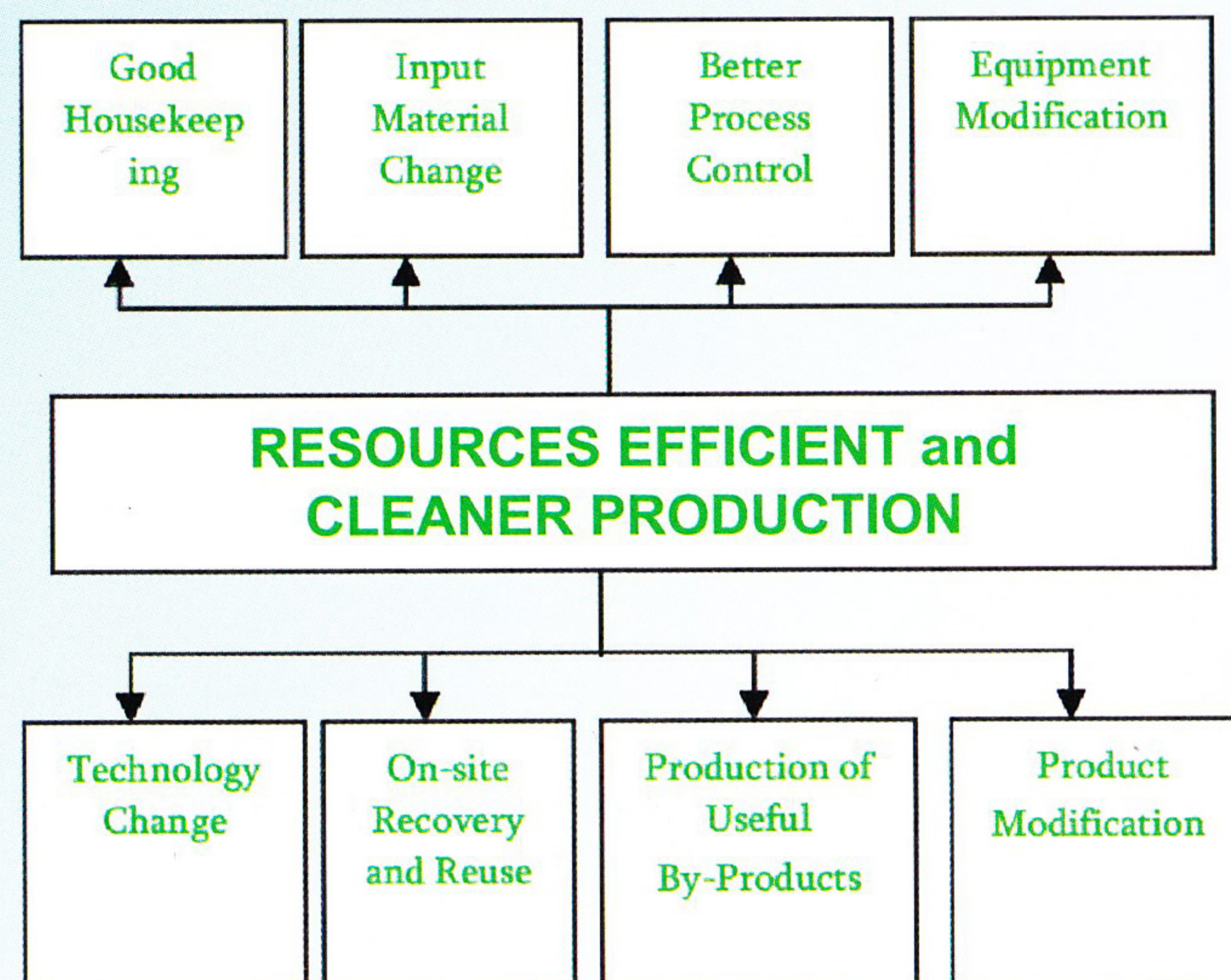


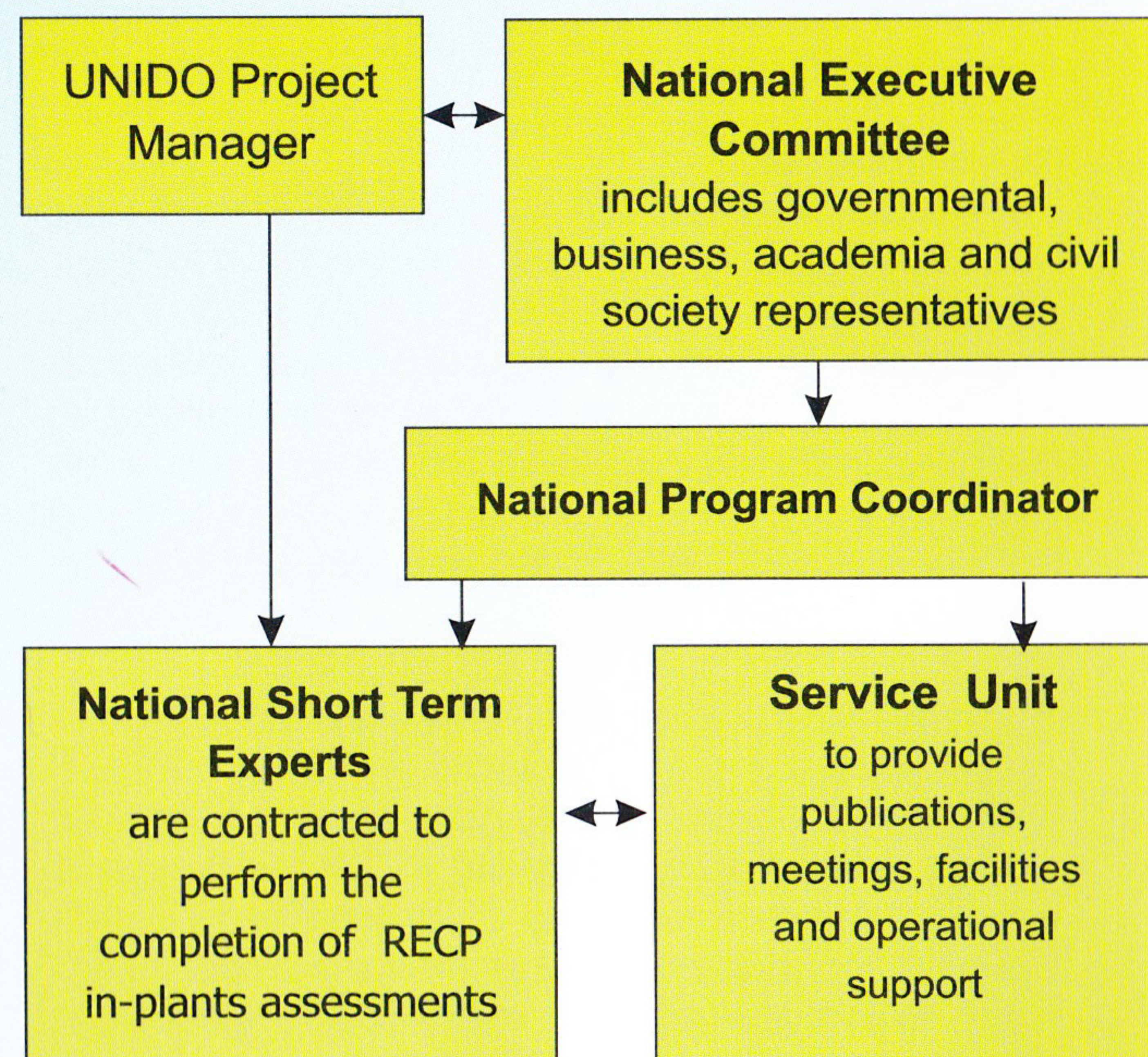
## RECP Techniques

Several complementary RECP techniques or practices are possible, ranging from low or even no cost solutions to high investment, advanced clean technologies, including:

- \* Good Housekeeping;
- \* Input Material Change;
- \* Better Process Control;
- \* Equipment Modification;
- \* Technology Change;
- \* On-Site Recovery/Reuse;
- \* Production of Useful By-Products;
- \* Product Modification.



## Management Structure of the RECP Demonstration Component



Project Manager: Mr. René Van Berkel  
UNIDO, Chief of Cleaner and Sustainable Production Unit  
E-mail: [r.vanberkel@unido.org](mailto:r.vanberkel@unido.org)  
[www.unido.org/cp](http://www.unido.org/cp)

Project International Coordinator:  
Ms. Tatiana Chernyavskaya  
E-mail: [t.chernyavskaya@unido.org](mailto:t.chernyavskaya@unido.org)  
Tel. +431 26 0 26 3017

National Coordinator: Mr. Malkhaz Adeishvili  
(+995) 599531427  
E-mail: [madeishvili@caucasus.net](mailto:madeishvili@caucasus.net)

Administrator: Mrs. Manana Dadiani  
(+995) 599531350  
E-mail: [m\\_dadi@eecgeo.org](mailto:m_dadi@eecgeo.org)



## Resources Efficient and Cleaner Production (RECP)

### Demonstration Project in Georgia

[www.recp.ge](http://www.recp.ge)



UNIDO Demonstration Component of the European Union's Program

**Greening Economies in the Eastern Partnership Countries (EaP GREEN)\***

\*<http://www.oecd.org/env/outreach/eapgreen.htm>



## RECP Demonstration Project

The UNIDO Regional Resources Efficient and Cleaner Production (RECP) Demonstration Project is a part of the Regional Action of the European Union to support the greening of economies in the EaP countries (Armenia, Azerbaijan, Belarus, Georgia, Moldova and Ukraine). This four years action (2013-2016) is jointly implemented by a consortium comprising OECD (lead partner), UNECE, UNEP and UNIDO.

The UNIDO demonstration project supports in each of the six EaP countries: the creation of human and institutional capacities for RECP; the demonstration, dissemination and replication of RECP in priority sectors (chemicals, food and construction materials); and transfer of and investment in RECP technologies. Objective of the project is to improve resource productivity and environmental performance of enterprises and other organizations in order to put the green economy into practice.

### What is RECP?

RECP is the continuous application of an integrated preventive environmental strategy to processes, products and services to increase efficiency and reduce risks to humans and the environment.

Cleaner production was first launched in the early 1990's to foster a preventative approach to reduce and where possible, eliminate the generation of waste and emissions from enterprises. UNIDO and UNEP introduced the enlarged approach of Resource Efficient and Cleaner Production (RECP) in 2008. RECP applies preventive environmental techniques and total productivity management practices to achieve:

- Productive use of natural resources – reduction of the use of materials, water and energy;
- Minimization of environmental impacts through reduction of generation of Greenhouse Gases and other emissions and wastes;
- Promoting and protecting human health through improvements in occupational health and safety.

## Project Objectives and Activities

To harness the potential for economic, environmental and social benefits through widespread RECP implementation, the project will support the mainstreaming and scaling-up of RECP in the beneficiary countries, through the following three clusters of activities:

- Train a cadre of national experts in RECP methods and techniques, and develop mechanisms for their service delivery to enterprises and other organizations: national experts will be trained in RECP methods and techniques and coached in their application for advising enterprises and other organizations. In parallel awareness and understanding for RECP opportunities and benefits will be enhanced.
- Support enterprises and other organizations in target sectors with implementation of RECP methods and techniques to achieve environmental and economic benefits: detailed RECP assessments will be completed for some 15 enterprises in each EaP partner country in subsectors of chemical, agri-food and construction materials production. Implementation results, with associated economic and environmental benefits, will be documented using a standard set of enterprise level indicators, and will be widely disseminated.
- Support the transfer and deployment of key enabling technologies/equipment for RECP in the target sectors: building on the findings at enterprise level, technology gap analysis will be undertaken and common technology needs identified. Appropriate technology solutions will then be sourced and promoted, including through development and promotion of business and investment plans.



## Benefits of RECP

Businesses and other organizations that implement RECP methods, practices and technologies are gaining triple benefit:

- Enhancing the efficient use of natural resources including water, energy and materials;
- Minimization of the impact on environment and nature, by preventing the generation of waste and emissions including those discharged to water, air or on land;
- Minimization of risks to people and communities from the use of chemicals and safe disposal of chemicals used in industry

