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UNIDO RECP Programme Concept for support to
**NATIONAL CLEANER PRODUCTION
PROGRAMME:
REPUBLIC OF MOLDOVA
2011-2013**

*Concept for Discussion
1 November 2010*


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Problem Analysis

Weak incentives

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1. Operational costs savings
2. Environmental compliance costs
3. Market recognition

Limited implementation of CP by businesses and other organisations

→ **Unsustainable economic development (and foregone business opportunities)**

High pollution and waste intensities

Inefficient use of natural resources

→ **Continued environmental degradation and infrastructure capacity constraints**

High transaction costs

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1. Access
2. Applicability
3. Affordability

of RECP expertise, methods, technologies and finance

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Strategic Directions

1. Broaden scope to Resource Efficient and Cleaner Production (RECP)
 - Benefits from production efficiency, environmental management and safer and responsible production
2. Thematic foci on water/effluents and (organic) waste management
 - Capacity constraints in water and sanitation
 - Value creation from (large-volume) organic waste
 - Complement infrastructure investments
3. Sectoral focus on key sectors
 - Food and beverage, construction materials and public services
4. Capacity building of enterprises
 - Enterprise management/entrepreneurial skills and continuous improvement
5. Consultative and participative approach to policy formulation and implementation
 - Policy assessment and stakeholder consultations as basis for policy and strategy formulation
6. Capacitate and institutionalize NCPP to become regular member of RECP-Net
 - Access to and participation in regional initiatives and benefits from global knowledge bases

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NCPP Moldova

- **Objective**
 - Improve resource productivity and environmental performance of businesses and other organizations in Moldova
- **Overarching Outcome**
 - RECP concepts, methods, practices, technologies and policies implemented by enterprises, government authorities and other stakeholders in Moldova
- **Contributing Outcomes**
 - RECP Capacity: for delivery of value-adding RECP services
 - RECP Implementation: adaptation and adoption of RECP at enterprise level
 - RECP Policy and Strategy: mainstreaming RECP incentives

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NCPP Moldova

- **Work-stream 1: RECP Capacity**
 - **Outcome**
 - NCPP-M and its associated experts deliver value-adding RECP services that are sought after by enterprises, business services' providers and government in Moldova
 - **Principal Outputs and Activities**
 - Set up and operation of NCPP-M as per annual work-plans determined and reviewed by National Executive Board
 - Training and supervision of national experts
 - Basic RECP methods and practices
 - Advanced and supportive topics: e.g, total productivity management, technology assessment and investment appraisal and promotion
 - RECP Promotion and awareness raising
 - Extended website
 - Primer and success stories in national language
 - Annual conference

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NCPP Moldova

- **Work-stream 2: RECP Implementation**
 - **Outcome**
 - RECP concepts, methods, practices and technologies have been implemented by enterprises and other organizations and environmental, economic and other benefits monitored and verified
 - **Principal Outputs and Activities**
 - **Demonstration Projects**
 - Two cycles, each including RECP assessments in 12-15 enterprises from the target sectors
 - **Replication Programme**
 - Two cycles, totalling 8 circles in at least 4 regions with some 60 enterprises in total
 - **Technology Pilot Projects**
 - In depth technology assessment, feasibility and investment analysis and promotion in at least some 15 companies

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NCPP Moldova

- **Work-stream 3: RECP Policy & Strategy**
 - **Outcome**
 - Mechanisms for mainstreaming RECP concepts and policy instruments have been established at suitable administrative levels in relevant policies and regulations in Moldova
 - **Principal Outputs and Activities**
 - **Policy Assessment**
 - Review of relevant policies and regulations as these present incentives or barriers for enterprises to implement RECP
 - **National Action Plan**
 - Priority actions for fostering RECP in Moldova and provisions for implementation
 - **Capacity building**
 - Training and support for enhanced implementation of RECP policy initiatives and instruments
 - **Institutionalization**
 - Legal legitimacy, governance and operation of RECP service provision

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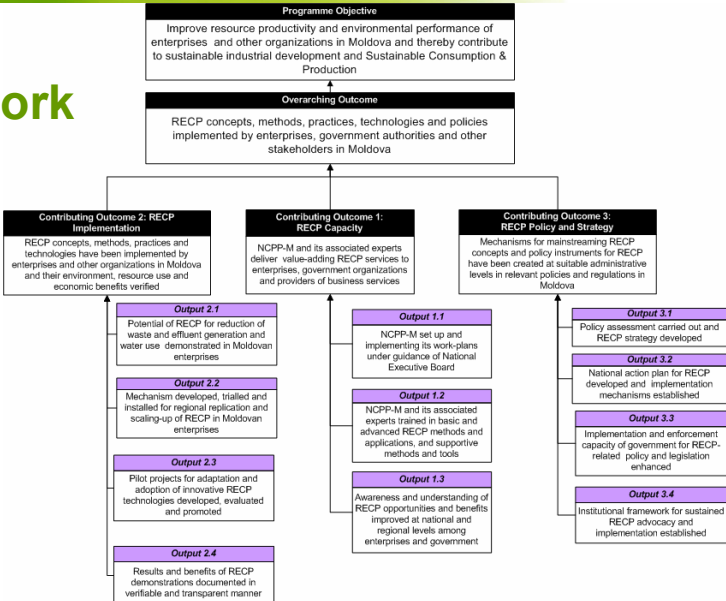


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Results Framework (draft)




The diagram illustrates the Results Framework for the NCPP Moldova. It is structured as follows:

- Programme Objective:** Improve resource productivity and environmental performance of enterprises and other organizations in Moldova and thereby contribute to sustainable industrial development and Sustainable Consumption & Production.
- Overarching Outcome:** RECP concepts, methods, practices, technologies and policies implemented by enterprises, government authorities and other stakeholders in Moldova.
- Contributing Outcome 2: RECP Implementation:** RECP concepts, methods, practices and technologies have been implemented by enterprises and other organizations in Moldova and their environment, resource use and economic benefits verified.
 - Output 2.1:** Potential of RECP for reduction of waste and effluent generation and water use demonstrated in Moldovan enterprises.
 - Output 2.2:** Mechanism developed, trialed and installed for regional replication and scaling-up of RECP in Moldovan enterprises.
 - Output 2.3:** Pilot projects for adaptation and adoption of innovative RECP technologies developed, evaluated and promoted.
 - Output 2.4:** Results and benefits of RECP demonstrations documented in verifiable and transparent manner.
- Contributing Outcome 1: RECP Capacity:** NCPP-M and its associated experts deliver value-adding RECP services to enterprises, government organizations and providers of business services.
 - Output 1.1:** NCPP-M set up and implementing its work-plans under guidance of National Executive Board.
 - Output 1.2:** NCPP-M and its associated experts trained in basic and advanced RECP methods and applications, and supportive methods and tools.
 - Output 1.3:** Awareness and understanding of RECP opportunities and benefits improved at national and regional levels among enterprises and government.
- Contributing Outcome 3: RECP Policy and Strategy:** Mechanisms for mainstreaming RECP concepts and policy instruments for RECP have been created at suitable administrative levels in relevant policies and regulations in Moldova.
 - Output 3.1:** Policy assessment carried out and RECP strategy developed.
 - Output 3.2:** National action plan for RECP developed and implementation mechanisms established.
 - Output 3.3:** Implementation and enforcement capacity of government for RECP-related policy and legislation enhanced.
 - Output 3.4:** Institutional framework for sustained RECP advocacy and implementation established.

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Tentative Timeline

Principal Project Activities	Indicative planning											
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Workstream 1: RECP Capacity												
1.1. Operation of NCPP Moldova as per annual plans and under guidance of NEB												
1.2. Basic and advanced training of national experts												
1.3. Awareness and information dissemination												
Workstream 2: RECP Implementation												
2.1. Detailed RECP assessments in demonstration companies												
2.2. Replication Programme for RECP up-scaling												
2.3. Pilot projects on RECP Technology												
2.4. Monitoring and evaluation												
Workstream 3: RECP Policy and strategy												
3.1. Policy Assessment												
3.2. National Action Plan												
3.3. Training and trials with implementation												
3.4. Institutionalization of NCPPP												

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Organization and Governance



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    graph TD
      UNIDO[UNIDO Project Manager] --> NEB[National Executive Board]
      NEB <--> AF[Advisory Forum]
      NEB --> NPD[National Programme Director]
      NPD --> NIC[Host Institution Contribution:  
1. Coordinator  
2. Publications, meetings, facilities and operational support]
      NPD --> NCPPM[National Cleaner Production Programme Moldova]
      STE[Short Term Experts (national and international)] --> NPD
      AF --> NPD
  
```

Good Organization, Management and Governance Practices:
 A Pillar for Providers of Services to Resource Efficient and Cleaner Production (RECP)

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Expected NCPP Results (by 2013)

- RECP uptake in some 100 enterprises
 - RECP assessments: ~ 30 enterprises
 - RECP replication programme: ~ 60 enterprises
 - RECP technology support: ~ 15-20 enterprises
 - → *Results and experiences widely disseminated*
- Human and institutional capacity
 - National experts in RECP implementation: ~ 15
 - Nationally owned centre of expertise with appropriate institutional legitimacy
 - → *Being used by enterprises, government and other stakeholders*
- Policy and Strategy
 - RECP promoted through key government initiatives

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Questions

- Is this the right way forward for fostering RECP in Moldova?
 - Integrated approach
 - Capacity building (human and institutional)
 - Enterprise support (advice, training and technology support)
 - Policy development
 - Thematic foci on water, waste water and waste
 - Sector foci on food/beverage, construction materials and public services
 - Institutional arrangement
 - Suggestions for desirable long term arrangement?

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Thank You



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Production Unit
Environmental Management
Branch



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