



Reducing Greenhouse Gas Emissions through Improved Energy Efficiency in the Industrial Sector in Moldova

Marco Matteini

Industrial Development Officer
Industrial Energy Efficiency Unit
United Nations Industrial Development Organization

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1. Basic info

- Project funded by the Global Environment Facility (GEF)
- Project budget 960,000 USD plus 3.3 million USD co-financing (UNIDO, Min of Economy, Min of Environment, Technical University of Moldova, private sector)
- Duration of 3 years
- Target beneficiaries:
 - i. IEE policy-making and implementing institutions
 - ii. Manufacturing enterprises
 - iii. National EE experts and service providers



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2. Project Objective

Improved energy efficiency of Moldovan industrial sector leading to reduced global environmental impact & enhanced competitiveness

The project is perfectly aligned and contribute to meet the objectives and requirements of:

- National Program of Energy Conservation 2003-2010
- National Energy Strategy of the Republic of Moldova to the year 2020
- Draft Energy Efficiency Law
- EU Energy Service Directive and NEEAP



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3. Project structure

Component 1: Development, formulation and implementation of policies, regulation and programs to promote and support sustainable industrial energy efficiency

Component 2: Capacity building, development of tools for and implementation of industrial energy systems optimization and energy management

Component 3: Industrial energy efficiency pilot projects



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4. Planned Outputs

Component 1: Development, formulation and implementation of policies, regulation and programs to promote and support sustainable industrial energy efficiency

- A. National Monitoring, Tracking and Benchmarking (MTB) Program is established
- B. National IEE Best Practices Information and Dissemination (BPID) Program is established
- C. National IEE Best Practice Recognition Program is established
- D. Industrial Energy Manager Certification Program is developed



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5.

Component 2: Capacity building, development of tools for and implementation of industrial energy systems optimization and energy management

- A. 20 national experts trained and qualified in the implementation of energy management systems in line with ISO 50001
- B. 20 national experts trained & qualified in steam system optimization
- C. 200 factory personnel receive training on steam system optimization and energy management system implementation
- D. Energy Management System Implementation Guide
- E. 20-30 energy management systems and steam system optimization projects implemented by enterprises participating in the project



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6. Planned Outputs – cont.

Component 3: Industrial energy efficiency pilot projects

- A. At least 6 pilot IEE projects for cumulative 45-60 GWh of energy savings are implemented by enterprises, from key industrial sectors, partnering in the project



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7. Purpose of today's roundtable

- Present IEE policies and programs best practices relevant to Project Component 1
- Open discussion with relevant institutions on Project Component 1 and proposed execution approach

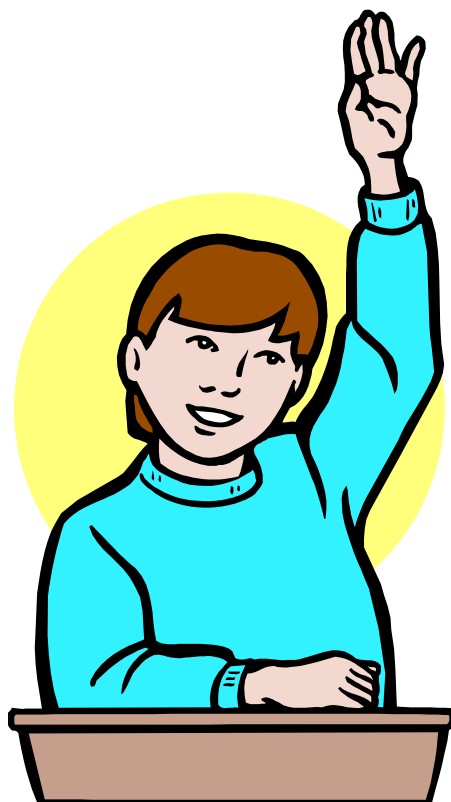
The goal:

- Inform preparation of Terms of Reference for provision of international and national technical assistance



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Questions and Answers





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Thank you for your attention!

For more information

Vasile Scorpan

National Team Leader,
Project Management Unit
Climate Change Office
Ministry of Environment
156a, Mitropolit Dosoftei St., off. 37,
MD-2004, Chisinau,
Republic of Moldova
Tel/Fax: (373 22) 23 22 47
E-mail: v.scorpan@yahoo.com
Web: <http://www.clima.md/>

Marco Matteini

Project Manager
Industrial Energy Efficiency Unit
UNIDO
Vienna International Centre
P.O. Box 300
A-1400 Vienna, Austria
Tel: 0043 1 26026 4583
E-mail: M.Matteini@unido.org



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Back-up slides



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8. Example of Project Activities

Component 1: Development, formulation and implementation of policies, regulation, etc.

Output A: National Monitoring, Tracking and Benchmarking (MTB) Program is established

Activities:

- Development of national reporting structure for energy consumption and savings in industry (reporting templates, database, website, etc.)
- Development of benchmarking methodology tailored to the Moldova manufacturing sector
- Testing of methodology developed in a pilot benchmarking study in one manufacturing sub-sector



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9. Examples of in-kind & cash co-financing contribution

Govt.	In-kind	Working time of National EE Agency staff dedicated to implement the National Monitoring, Tracking and Benchmarking Program
	Cash	Payment of some local IEE experts, trained by the Project, to train manufacturing enterprise engineers and managers
Public and Private sector	In-kind	Working time of enterprise engineers/ managers participating in the Project expert trainings Use of partner facilities for training and information dissemination
	Cash	Funds invested by enterprises in the implementation of IEE projects developed through or co-funded by the Project
B/M Agencies & NGOs	In-kind	Staff time dedicated to Project activities implementation
	Cash	Funds contributed to cover costs of Project activities execution, i.e. local staff/ experts time, measuring equipment, logistics, etc.



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10. Energy efficiency indicators

