

Name of the Partnership/Initiative

The Industrial Energy Efficiency Initiative

Expected date of initiation: May 2002

Partners Involved:

E7 Fund for Sustainable Energy Development

Leading Partner: UNIDO

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Main objectives of the Partnership/Initiative

The main objective of the programme will be to provide significant opportunities and scope for the deployment of energy efficiency technologies in developing countries.

Please also provide a brief description of the relationship of the Partnership/Initiative with the objectives of Agenda 21 as well as relevant goals and objectives of the United Nation Millennium Declaration:

Reference is made to the Chairman's paper of the Prepcom 3, reference A/CONF.199/PC/L.1, Part III (Changing unsustainable patterns of consumption and production), paragraph 5.v.

Developing countries, with the exception of the oil exporting ones, have small shares in the global energy consumption. The situation is quite dramatic when one takes the per capita energy consumption in some developing countries into account. On the other hand, the energy intensity of the economies of many developing countries, that is, energy amount required to create one dollar of GNP, is very high, showing that they are not consuming energy efficiently.

Improved industrial energy efficiency is one of the key factors of competitive production and reduced pollution in general and reduced GHG emissions in particular.

Expected results:

That developing countries and economies in transition integrate energy efficiency strategies for can GHG emissions reduction and control in a way it enables their participation in CDM and JI.

Specific targets of the Partnership/Initiative and timeframe for their achievement:

To identify needs, develop projects to submit to donors and implement demonstration projects in order to promote energy efficiency technologies in developing countries.

Coordination and Implementation mechanism

Phase I will include activities such as

- Capacity mapping: identification of existing centers, organizations, institutes and other capacities;
- Identification of barrier groups: information/ awareness, technical, legal, economic/regulatory, financial, lack of institutional infrastructure, etc.
- Sectoral analysis and indicative needs identification: Selection of 2-3 energy-intensive industrial sectors for each country such as: iron and steel scrap melting; cement; brick making; pulp and paper; food/beverages; electricity generation; vegetable oils; electric motors; etc.
- Analyzing (formulating) sustainable industrial development objectives and indicators and matching needs with the development objectives, technologies, criteria.

Phase II: Project/programme development

This phase will aim at preparing projects/ programmes that will remove barriers and build capacities by also addressing the CC and CDM issues. A continuous iterative process will be used to implement this phase:

- mobilizing stakeholders' participation
- identifying and prioritizing CDM mitigation options
- identifying and prioritizing CDM capacity mobilization needs
- creation of national support systems
- designing of CDM projects

Phase III: Implementation of demonstration pilot projects:

Two demonstration projects per country will be implemented. This project can be implemented in all developing countries with an active industrial sector. UNIDO has been successfully cooperating in similar projects in Africa and ASEAN regions with governments, private sector, research groups and academia.

Arrangements for funding

To be identified.

Arrangements for capacity building and technology transfer

The project is based in promoting energy efficiency technologies in developing countries, thus, one of its major characteristics is technology transfer and capacity building in order to enhance this.

Links of Partnership/Initiative with on-going sustainable development activities at the international and/or regional level (if any)

Monitoring Arrangements

To be developed with the partners of the project.

Other relevant information:

Web-site (if available): www.unido.org

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