

**MANAMA STATEMENT**  
Bahrain Forum: **Cleaner Technologies for Economic Development** –  
UNIDO Green Industry Initiative  
2-4 February 2009, Manama - Bahrain

*“Towards Zeroing Industrial Wastes and Emissions through Cleaner and Resource Efficient Technologies and Products”*

Preamble

1. We, the participants of the “Cleaner technologies for Economic Development” Forum, met on the 2 February 2009 in Manama, Bahrain representing experts from the private, public, academic, research and development sectors from 39 countries, issued this statement to focus the attention of governments, businesses, academia, research institutes and professional associations, and other non-governmental organisations, on the urgent need to halt the inefficient extraction and use of natural resources in industrial production processes and minimize resulting wastes including emissions, as a basis for achieving sustainable industrial development of nations and communities. We also recognize the pivotal role therein for the development, transfer, adaptation and replication of cleaner and resource efficient technologies and products with the support and assistance of international and regional networks such as but not limited to the ITPO.  
Moreover, we also acknowledge and encourage the important role of the non governmental organizations NGOs, Community Based Organizations CBOs, and Academia have in promoting the cleaner technologies

Challenges

2. We recognise that the vast flows of natural resources which are mined, extracted, harvested, harnessed, or otherwise sourced from the natural environment, and their wasteful, or dissipative, use in today’s industrialised and industrialising worlds, are at the core of the most pressing environmental challenges. True environmental progress is contingent on reversing this situation by accepting stewardship for our common natural resource base, decoupling industrial development from pollution without compromising the competitive and responsible industrial growth, as it is an engine of economic and social development.
3. We acknowledge that growing numbers of enterprises have a target of zero wastes and emissions. In doing so they have made praiseworthy progress in reducing and where already possible, eliminating inefficient use of natural resources in their processes, products and operations. This in our opinion confirms that the private and public sectors can in principle work together to develop and implement cleaner and resource efficient technologies and products. Suitable framework conditions however must be properly developed and setup in-terms of policies and legislation which include: realistic resource pricing, integrating both market based incentive mechanisms and financial instruments acknowledging also that compliance must be insured through transparent and equitable enforcement of regulations in order to mobilize the sustainable technologies and know-how, attract appropriate management capabilities, and promote the necessary culture of environmental awareness among the industrial sector.
4. We realise that enterprises cannot do this without the active support of commercial financial institutions and that commercial financial institutions have to be aware of the need and economic benefits that can and will develop from reducing unnecessary use of natural resources. Specific financial Instruments will have to be developed and

implemented within financial institutions regarding green investments and clean technologies by showing the lower the investment risks associated with green investments, raising the knowledge and strengthening the exchange of information between relevant stakeholders within the financial institutions..

5. We further acknowledge that much of the capacity for awareness rising in industries, commercial financial institutes and in society lies within environmental organisations, that can be used and optimised to help the path towards zeroing waste and emissions.

#### Call for Action

##### *National Governments*

6. We, the participants of this forum, accept the need for decisive action to reverse patterns of inefficient and wasteful resource extraction, use, production and consumption, and commit ourselves to promote and be guided by resource stewardship towards achieving zero wastes and emissions. Therefore we call on governments at all levels to develop, implement, and where unavoidable, enforce policy regimes and regulatory mechanisms, that provide incentives for the private sector and encourage technology and know-how mobilisation, following the principles of sustainable development and responsible investments, as called for under the Kyoto protocol and the subsequent Millennium Declaration specifically MDG # 7 & 8 .

##### *Industrial Enterprises*

7. We appeal to industrial enterprises to implement resource management stewardship in the collective understanding that waste and emissions are to be minimized , and move individually and collectively with common but differentiated responsibilities, towards zero wastes and emissions, through the realisation of principles of responsible investments to enhance and promote cleaner and resource efficient technologies and products, which ultimately contributes to the process of efficient consumption and reduction of detrimental impacts on natural resources;

##### *Academia, Research Institutes and Professional Associations*

8. We appeal to academia, research and development institutions and professional associations to further their efforts and contributions with the private sector by engaging with them directly and moving them towards zeroing wastes and emissions and fostering a professional ethos that, as a matter of both principle and prudent professional practice, wastes and emissions should be zeroed through organizing and developing suitable training, capacity-building, codes and labels etc; to assist with the development and implementation of cleaner and resource efficient technologies through the ITPO network.

### *Financial Institutions*

9. Appeal to financial institutions to create and or strengthen, when available the mechanisms which facilitate suitable attractive financing for green investments considering the problems of financing clean technologies that enterprises in developing countries are facing..

### *United Nations Industrial Development Organization*

9. We call upon the United Nations Industrial Development Organization (UNIDO) in co-operation with the United Nation Environmental Program (UNEP), to: facilitate, promote and strengthen the interest within the United Nations system and among its Member States to;

- advance the concept and practice towards working for the ultimate goal of zeroing waste and emission initiatives and encourage demonstrations amongst interested Member States ;
- act as a platform for information exchange and knowledge sharing;
- work with its partners and members states to establish an action plan which incorporates; development of a performance assessment mechanism and development of a Clean Technology Index which could be used as a tool to assess and benchmark clean technology and Cleaner Production;
- develop a strategy with the relevant industrial enterprises, to create new knowledge or introduce relevant green technology when available;
- Support international and regional fora such as Eco Cities Forum which act as honest brokers or conduits for bringing together the financial institutions and green technology providers with the beneficiary enterprises;
- facilitate and strengthen the necessary support needed for the worldwide network of the National Cleaner Production Centres and the Investment and Technology Promotion Offices .

10. We pledge to involve NGOs working within this area of interest in our strategy for raising awareness and to create broad support, using differentiated methods including education, eco-labelling and campaigns.