



# Green Industry

## **UNIDO – GEF Partnership GEF Familiarization Seminar**

**Washington, DC  
30 January – 1 February 2013**



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION

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## UNIDO Mandate

- UNIDO's vision is a world where
  - > economic development is sustainable
  - > economic progress is equitable
- Its focus is on three main thematic areas:
  - **Poverty reduction through productive activities**
  - **Trade capacity-building**
  - **Energy and environment**



# UNIDO Energy and Environment Pillar

UNIDO provides assistance in the following areas:

- Resource-efficient and low-carbon industrial production;
- Clean energy access for productive use for productive use; and
- Capacity-building for the implementation of multilateral environmental agreements



## UNIDO-GEF Partnership

- **Before 2007** → UNIDO an Executing Agency for the “original Implementing Agencies (IAs)” – UNEP, UNDP, World Bank

Exception → POPs projects, UNIDO IA since 2000

- **Since 2007** → UNIDO acquired direct access to the GEF financing as one of the 10 GEF Partner Agencies



# UNIDO GEF Comparative Advantage & projects in:

- Climate Change Mitigation (IEE and RE)
- Persistent Organic Pollutants (POPs)
- International Waters (IW)
- Sound Chemicals Management (Mercury, e-waste)
- Ozone Depleting Substances (ODS)
- Under discussion: Biotechnology and Biosafety



# UNIDO Energy and Climate Change Branch

1. **Demonstration, deployment, and transfer of innovative low-carbon technologies** – e.g. Hydrogen Technology applications, , Carbon Capture and Storage, Low-carbon industrial growth technologies and strategies, Global Cleantech Open Programme for SMEs
2. **Market transformation for energy efficiency in industry** – e.g. Energy Management Standards (ISO 50001), Energy System Optimization, Industrial Energy and Carbon Benchmarking, Monitoring, Reporting and Verification
3. **Investment in renewable energy technologies** – e.g. Off Grid (Mini-grids for Energy Services and Productive Uses), On-Grid, Waste fuels, biomass and biogas technologies for industrial process heat, Solar thermal technologies for industrial applications (heating and cooling)
4. **Energy efficient, low-carbon transport and urban systems** – e.g. low carbon urban development: Eco-City Eco Business Partnership Programme



## **UNIDO Environment Management Branch – Stockholm Convention Unit (POPs)**

1. Promotion of **BAT and BEP** Strategies for the industrial sectors of Annex C of Article 5
2. Transfer of **Non-combustion Technologies** for the destruction of POPs stockpiles and wastes
3. Identification, Management and Remediation of **Contaminated Sites**
4. Institutional and Human Resources **Capacity Building**
5. Promotion of **Alternatives to POPs Pesticides Formulations**
6. **Global Forums** Aimed at Reduction and Elimination



## **UNIDO Environment Management Branch – Water Management Unit**

1. Improve water efficiency in industries
2. Prevent discharge of industrial effluents into international waters (rivers, lakes, wetlands and coastal areas)
3. Transfer of Environmentally Sound Technologies (TEST) for improving water productivity and better water and resource management)
4. Sustainable management of ecosystem resources
5. Sustainable use of integrated transboundary river basins, wetlands, coastal zones and large marine ecosystems
6. Recover and manage industrial fisheries
7. Protect environment and human health from toxic substances





## **UNIDO Environment Management Branch – Sound Chemicals Management: MERCURY**

1. UNIDO lead agency for the *Artisanal and Small-Scale Gold Mining (ASGM)* area of the *UNEP Global Mercury Partnership*
2. Development of standardized *National Action Plans* in preparation for the *Global Treaty on Mercury*
3. Components including *raising awareness, elimination of mercury emissions* through close-circuit amalgamation and utilization of retorts for the burning / Introduction of: *alternative methods in selected sites / innovative marketing options* such as ethical gold value chain



## UNIDO Environment Management Branch

### Sound Chemicals Management: E-WASTE

1. Objective: Promoting environmentally sound management of e-waste and Life Cycle approach in developing countries
2. UNIDO is the coordinating agency for e-waste under:
  - a) UN Global Partnership on Waste Management: Focal area lead
  - b) SAICM: International workshop on “Hazardous substances in the Life cycle of e-products”, 28-29 March 2011
3. UN Cooperation : UNU-StEP, UNEP, Basel Convention Secretariat, Stockholm Convention Secretariat, SAICM, etc
4. International Partners: Microsoft, HP, Nokia, Dell, Philips, EMPA, US-EPA, D.R.Z Vienna, Oeko Institute, etc.
5. Ongoing TC projects: Uganda (Austria); Tanzania (One UN); Cambodia (South Korea); Ethiopia (GEF); *LAC region* (GEF pipeline)



# UNIDO Montreal Protocol Branch

1. Complement work of the Multilateral Fund → address ODS phase-out in countries with economies in transition (CEITs)
2. Policy, strategy and program design; institutional support; and enterprise level technical assistance
3. Phase out **HCFCs without using HFCs** (achieve phase-out and minimize climate impact):
  - a. Convert production facilities to phase-out HCFCs using non-HFC alternatives
  - b. Provide the technical assistance and technology transfer required to enhance energy efficiency of the equipment being manufactured



# UNIDO Agri-Business Development Branch

1. Builds institutional capacities in emerging technologies to add value to agricultural products.
  - food, textiles, leather, wood and bio- energy
2. Promotes the development of public-private partnerships that invest in enterprises that add value to farmers' produce.
3. It catalyzes the formulation of policies and consensus positions favoring agribusiness and the bio-based economy.
4. Manages UNIDO's Biosafety Information Network & Advisory Service (BINAS).



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**Thank You!**

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