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# **GEF-5 Strategy for Climate Change Mitigation**

**GEF Familiarization Seminar  
January 18-20, 2011**

# Mandate of the GEF

- An operating entity of the financial mechanism of the UNFCCC (and other global environmental conventions)
- A partnership of 182 member countries along with the private sector and civil society
- 10 GEF implementing and executing agencies
  - MDBs: World Bank and regional development banks
  - UN agencies: UNDP, UNEP, FAO, IFAD, and UNIDO
- Provides grant and concessional financing for projects in developing countries and economies in transition that protect the global environment while promoting sustainable development



# Financing Climate Change under the GEF Trust Fund

- GEF Trust Fund invested in about \$3 billion in over 150 countries
  - Mitigation
  - Adaption
  - Technology Needs Assessments
  - National Communications to the UNFCCC
- Largest multilateral public-sector technology transfer mechanism
  - Financed demonstration, deployment, diffusion, and transfer of environmentally sound technologies



# Roles of the GEF in Climate Change Financing

- Catalytic
  - Leveraged more than \$18 billion in co-financing on its \$3 billion of investments
- Innovative
  - Leader in financing new, emerging low-carbon technologies (FCB, CSP, etc.)
  - Pioneer in supporting market-based approaches (e.g., ESCOs) and innovative financial instruments
- Cost-effective
  - Over 2.5 billion tonnes of CO<sub>2</sub> avoided
  - Amounts to slightly over \$1/tonnes CO<sub>2</sub>



# COP Mandate to GEF on Technology Transfer

- Poznan Strategic Program on Technology Transfer (COP decision 2/CP.14)
  - Support for Technology Needs Assessments
  - Support for Technology Transfer Pilot Projects
  - Dissemination of successfully demonstrated technologies and know-how
- GEF-5 replenishment
  - \$4.3 billion total (six focal areas)
  - \$1.4 billion for climate change mitigation



# Guiding Principles for GEF-5 Strategy

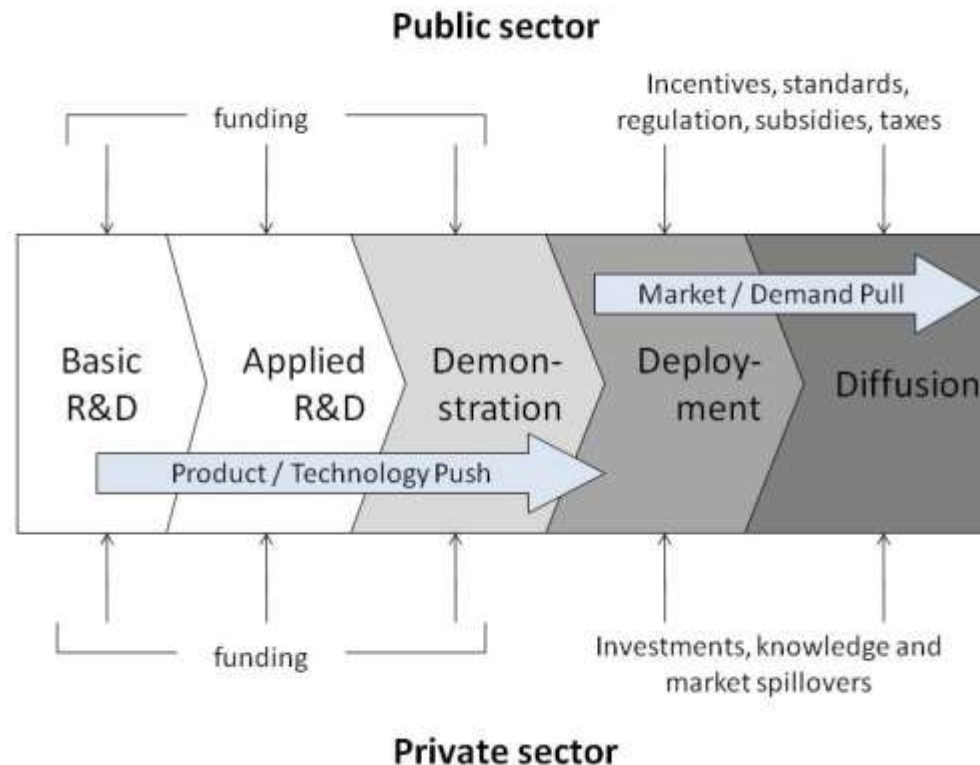
- Responsiveness to Convention guidance
- Consideration of national circumstances of recipient countries
- Cost-effectiveness in achieving global environmental benefits



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# Technology Development Cycle and Innovation Chain



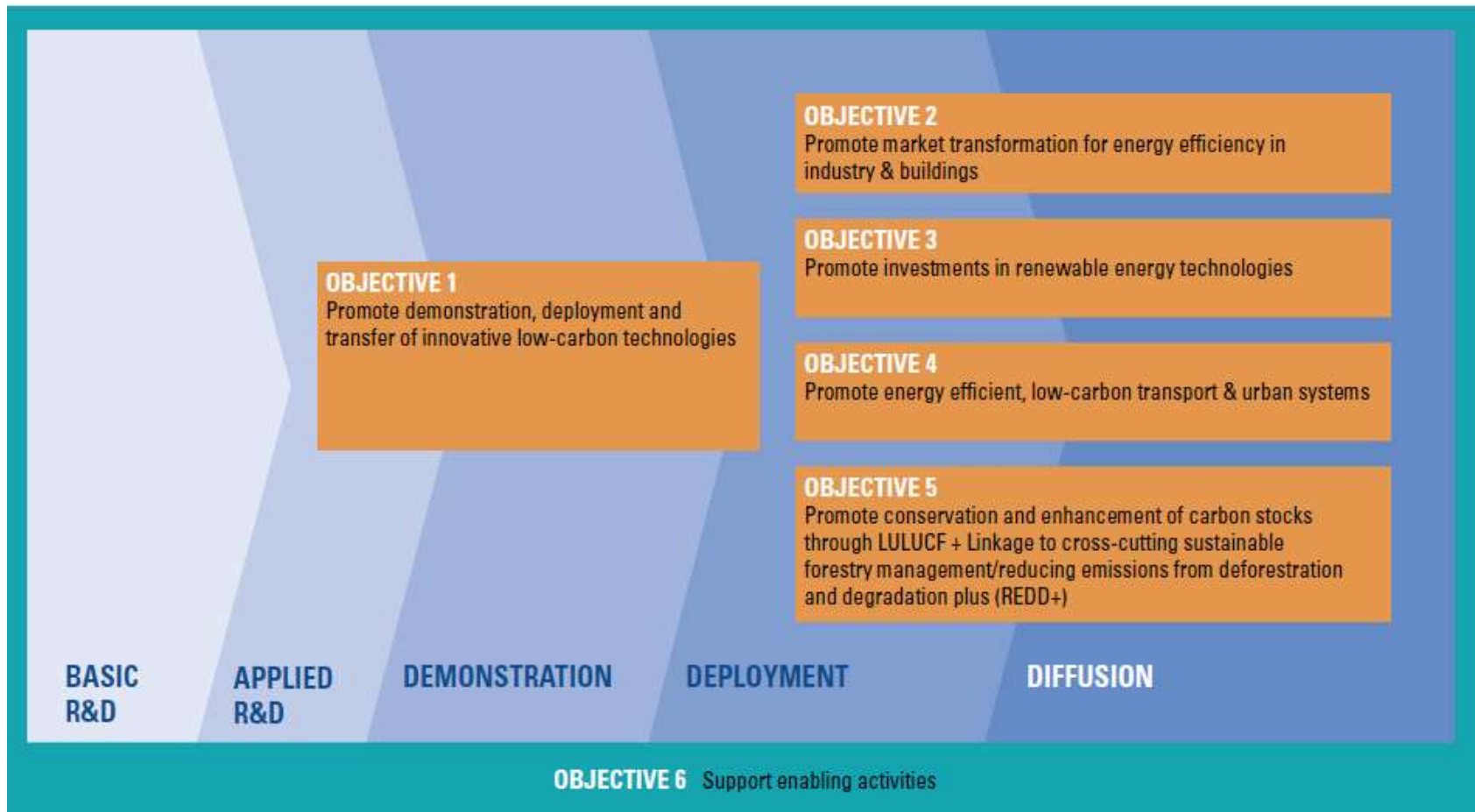
# Strategic Objectives for GEF-5

- SO1: Demonstration, deployment, and transfer of innovative low-carbon technologies
- SO2: Market transformation for energy efficiency in industry and the building sector
- SO3: Investment in renewable energy technologies
- SO4: Energy efficient, low-carbon transport and urban systems
- SO5: Conservation and enhancement of carbon stocks through sustainable management of land use and forestry
- SO6: Enabling activities and capacity building





# Supporting Technology Transfer in GEF-5



# Options for Focal Area Set-Aside

- National Communications and Technology Needs Assessments (\$80m)
- Global and regional technology centers and network (\$42m)
- Incentives for countries to participate (with STAR) in global and regional projects (\$20m)
- Global and regional projects (targeted research, etc.) (\$10m)
- Support for carbon finance (\$20m)



# Contact Information

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