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# Effective Mechanisms to Scale up Development and Transfer of Technology to Developing Countries

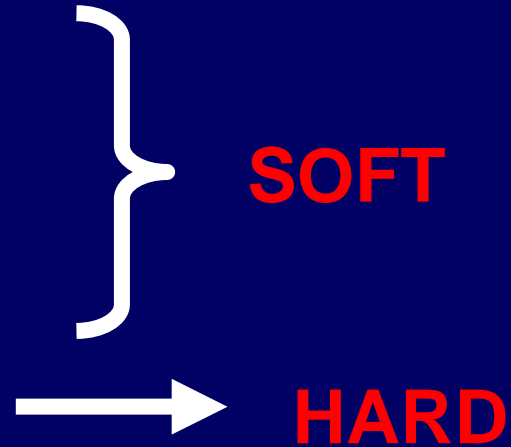
**Ghana's Views Presented at AWG-LCA 2,  
Bonn Germany, 3 June 2008**

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# What Constitute Technology?

- Technology development and transfer for mitigation and adaptation hinges on four key issues:

- Know-how
- Experience
- Actors
- Equipment



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# Overview of Obstacles Facing Development and Transfer of Technologies

- Technology development and transfer processes will fail if limited attention is given to any one of these key issues, especially if relevant actors are neglected.





# Overview of Barriers Facing Development and Transfer of Technologies

- ❑ Barriers can be grouped broadly as technical, political (policy related), financial and social. They include:
- ❑ Inadequate technology information (including cost, performance, suitability, etc.)
- ❑ Limited capacity for operation and maintenance
- ❑ Limited skills to manage and adapt the technologies
- ❑ Lack of enabling environments both from the supply and demand sides (including political, institutional and legislative/regulatory framework, IPRs)
- ❑ Investment risks (real and perceived)
- ❑ Lack of financing or access to credit
- ❑ High cost of technology
- ❑ Insufficient investment for research and development
- ❑ Social acceptability of technologies

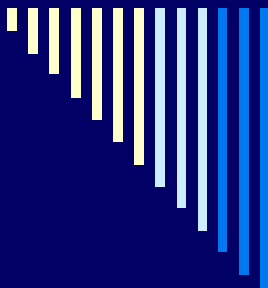




# Options for Enhancing DTT for Mitigation and Adaptation

- Positive incentives: reward/crediting for DTT
- Sustained funding: enhanced private sector engagement (e.g., PPPs) and new thinking on funding DTT on concessionary terms
- Overcome barriers for financing DTT
- Enhance capacity building
- Collaborative R&D
- Institutionalized system for monitoring and evaluation
- DTT agreement





# Approach – Based on the Findings of the Dialogue

- DTT needs to be approached in an integrated manner, by addressing all the stages of the technology development cycle: diffusion, deployment, demonstration and R&D
- Funding and policy aspects specific are to each stage
- Technology transfer could take place in each stage of the cycle
- Specific sectoral, regional and national aspects could be addressed also each stage
- Technologies for adaptation have specific characteristics that need to be addressed





# An International Mechanisms on DTT – Proposal from Ghana

- BAP: focus on mechanisms/tools/means and ways to: remove barriers; provide financial and other incentives; cooperate on R&D and assess effectiveness of technology cooperation in specific sectors:
  - A **multilateral technology cooperation fund** to support development and transfer of technologies
  - An enhanced **institutional arrangement**: a technology board with sectoral-technology panels to accredit international action on DTT, endorse country programmes and monitor, report and verify action
  - **Incentives** to reward/credit DTT and create additional value for DTT (e.g directly by crediting against emissions reductions or reducing vulnerability)



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Thank you for your attention

