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Buildings Count for Climate: Towards Carbon Zero Building



Current Initiatives

- **IPCC 4th Assessment Report**
- **UNEP-SBCI Buildings and Climate Change:**
 - Worldwide adoption of SBC practices
 - Energy
 - Legislation and Standards
- **WBCSD – Energy Efficiency in Buildings**
- **cidb/UNEP-SBCI SA Report on GHG Emission Reduction Potentials from Buildings**



SA Report on GHG Emission Reduction Potentials (i)

- **Operation of non-residential and residential building sectors account for around 23% of total emissions;**
 - non-residential sector accounts for around 9%
 - urban and rural high-medium income residential sectors account for around 5%
 - manufacture of building materials accounts for around 5%
- **Investment in residential and non-residential buildings will grow on average at around 2% per year between 2008 and 2050;**
 - doubling of total building stock by 2050
 - if CO₂ emissions unchecked, this would result in a 2-fold increase in emissions!

SA Report on GHG Emission Reduction Potentials (ii)

- **Estimates used in LTMS suggest that energy efficiencies can be obtained in new buildings of around;**
 - 40% to 50% in the commercial sector
 - 30% to 40% in the residential sector
- **SA will not be able to achieve meaningful reductions in emissions without supporting the building sector to reduce emissions**
- **Mandate required to establish working groups to investigate impact of buildings further**

Side Event; Buildings Count for Climate

- **Wednesday 4 March 17:45**
- **Common understanding on role of buildings**
- **Policy components discussed**
- **Recommendations developed**
- **Thank You**

