DC開発フォーラム・セミナーシリーズ「複眼で見る温暖化」

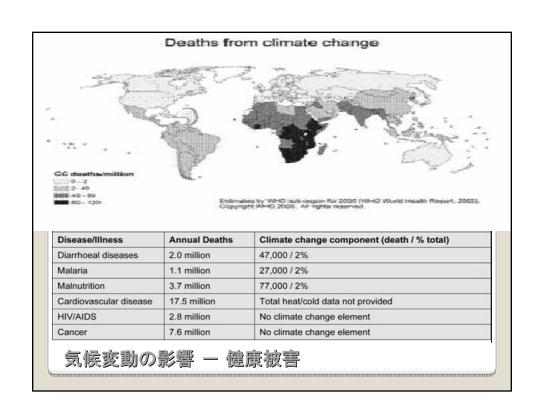
第1回「京都炒ニス、ムは温暖化を解決できるのか」

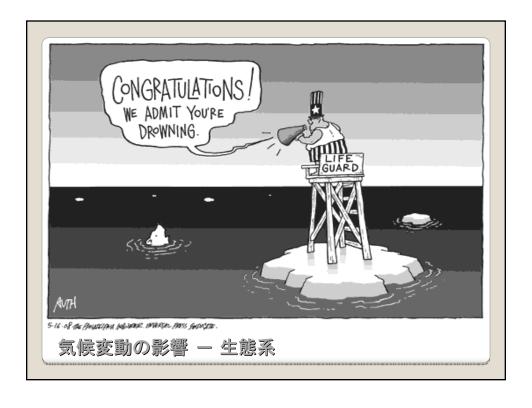
2008年5月19日 世界銀行Carbon Finance Unit 矢部 健太郎

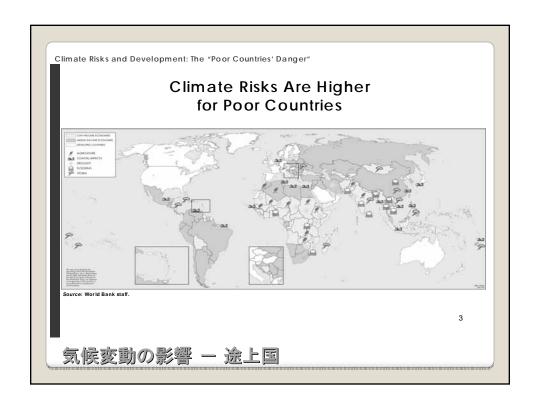


Climate Risks and Development: The "Poor Countries' Danger" Six Climate Threats Top 12 Countries Most at Risk from Each □ Low Income ■ Middle Income ☐ High Income Flood Storm Coastal 5m Drought Coastal 1m Agriculture All low-lying Island States All low-lying Island States Malawi Bangladesh **Philippines** Sudan Ethiopia Bangladesh Vietnam Netherlands China Senegal Zimbabwe Zimbabwe India Madagascar Egypt Japan India Vietnam Tunisia Bangladesh Mali Cambodia Philippines Zambia M ozam bique Mozambique Moldova Indonesia Niger Laos Mongolia Mauritania Egypt Morocco Mauritania Pakistan Haiti China Brazil Niger Eritrea Sri Lanka Samoa Mexico Venezuela India Thailand Malawi Sudan Tonga ${\bf Myanmar}$ Senegal Chad Vietnam China Bangladesh Fiji Algeria Benin Honduras Senegal Ethiopia Kenya Vietnam Libya Rwanda Denmark Pakistan Fiji Iran

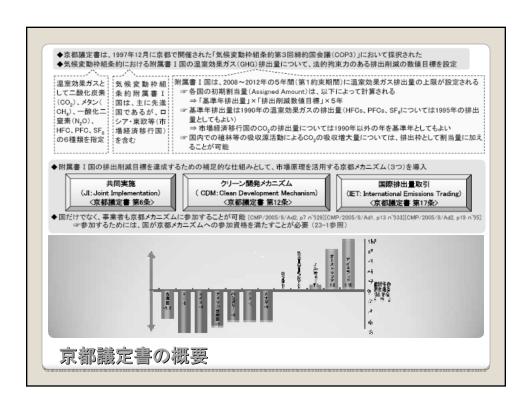
気候変動の影響

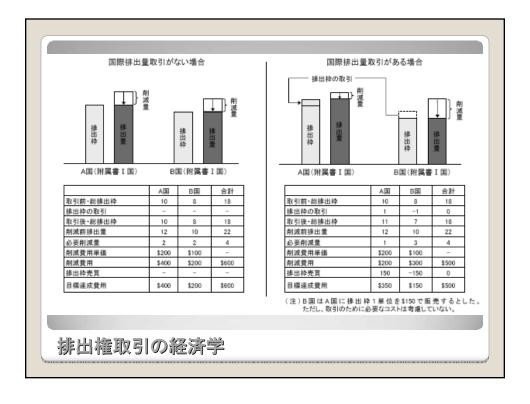


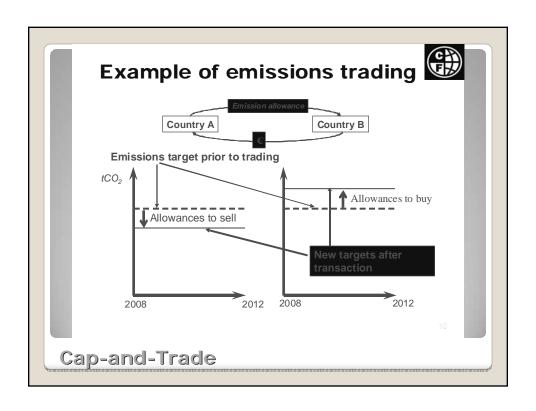


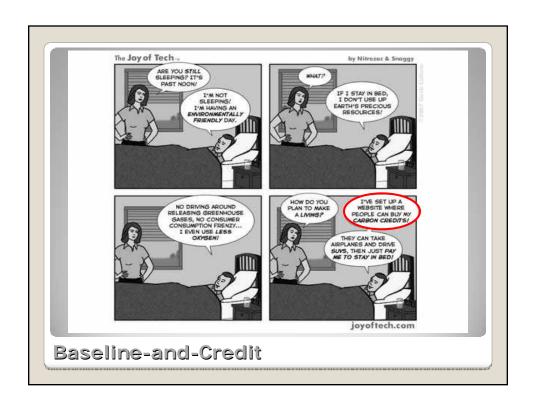


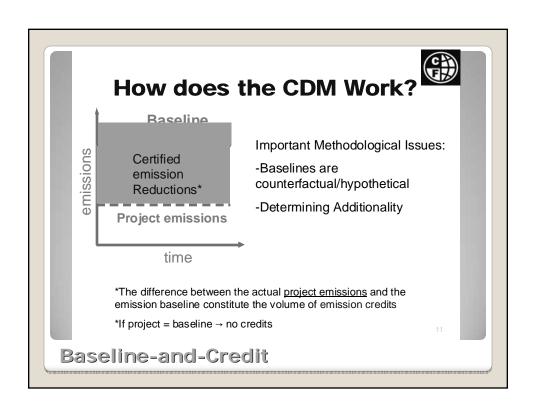


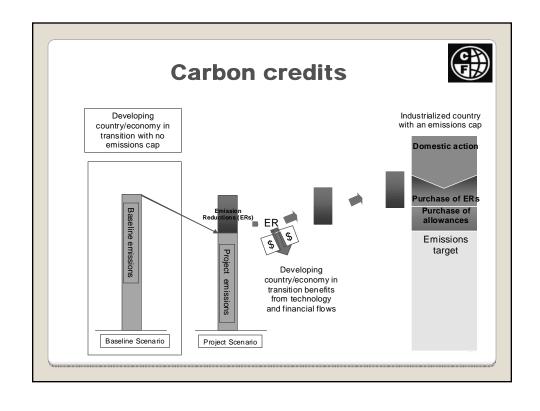


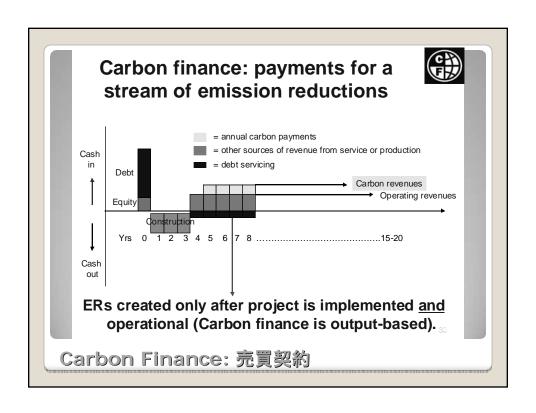


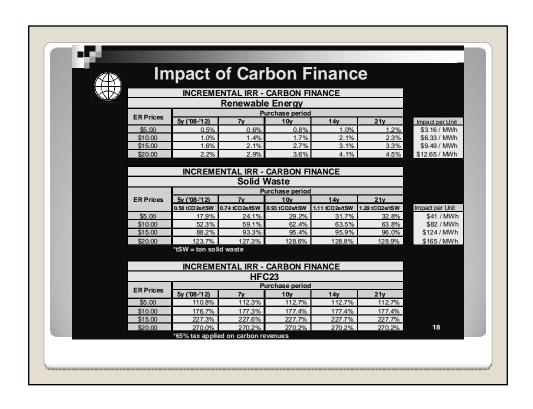


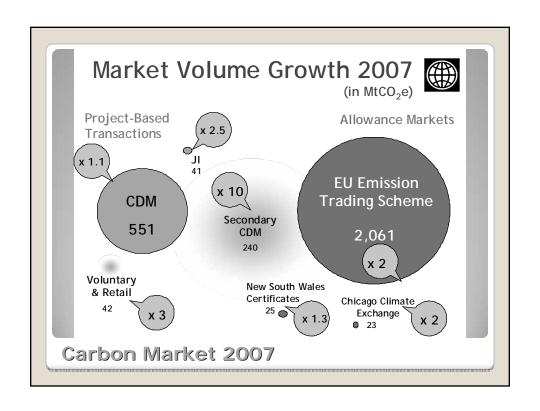


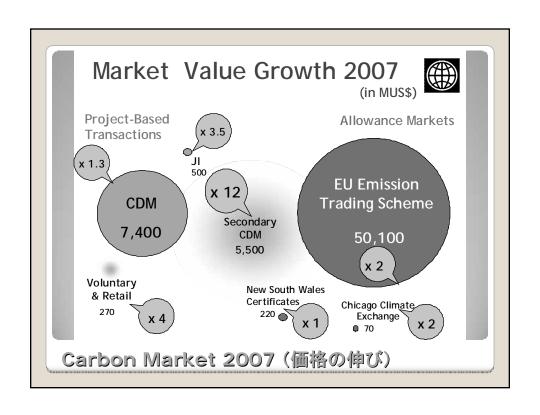


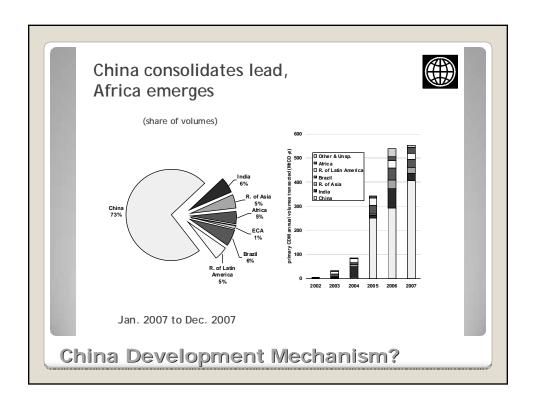


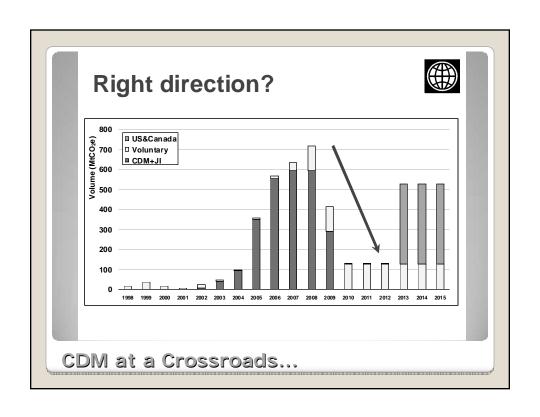




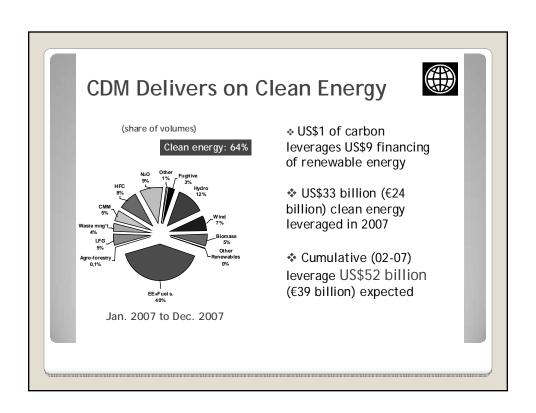












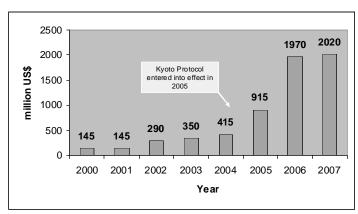
"Climate change is a development, economic, and investment challenge. It offers opportunity for economic and social transformation...That is why addressing climate change is a critical pillar of the development agenda"

Robert Zoellick, UN Climate Change Conference, Bali, December 2007

気候変動と世銀

Total Volume of Carbon Funds Managed by the World Bank





Funds are entrusted to the Bank by interested parties with commitments under the Kyoto Protocol. Participants are governments and private sector. ²⁵

BioCarbon Fund

- The World Bank has mobilized a fund to demonstrate projects that sequester or conserve carbon in forest and agro-ecosystems. The Fund, a public/private initiative administered by the World Bank, aims to deliver cost-effective emission reductions, while promoting biodiversity conservation and poverty alleviation. The Fund is composed of two Tranches: Tranche One started operations in May 2004, has a total capital of \$53.8 million; Tranche Two was operationalized in March 2007 and has a total capital of\$ 38.1 million. Both Tranches are closed to new fund participation.
- The BioCarbon Fund can consider purchasing carbon from a variety of land use and forestry projects; the portfolio includes Afforestation and Reforestation, Reducing Emissions from Deforestation and Degradation and is exploring innovative approaches to agricultural carbon.

Community Development Carbon Fund

The CDCF provides carbon finance to projects in the poorer areas of the developing world. The Fund, a public/private initiative designed in cooperation with the International Emissions Trading Association and the United Nations Framework Convention on Climate Change, became operational in March 2003. The first tranche of the CDCF is capitalized at \$128.6 million with nine governments and 16 corporations/organizations participating in it and is closed to further subscriptions. The CDCF supports projects that combine community development attributes with emission reductions to create "development plus carbon" credits, and will significantly improve the lives of the poor and their local environment.

世銀Carbon Funds - Underserved Marketへの対応

- 緩和(Mitigation)
- 2. 適応 (Adaptation)
- 3. テクノロジー(Technology)
- 4. 融資(Financing)
 - WB: Capital inflows to developing countries reached US\$571 billion in 2006, a 19% increase from 2005 (primarily equity from private sector). Three previous yearly increase rates averaged 40%.
 - UNEP2: Only US\$21 billion were allocated to Renewable Energy and Energy Efficiency technologies in developed countries (i.e., 21% of the US\$100 billion global investments to the sector in 2006).

気候変動への取組みにおける課題

- "UN-managed projects to curb pollution could bring \$100 billion annually to developing countries."
- "Carbon is a new commodity, a new currency."
- "To believe that market forces can be used to fix climate change is to believe in magic."
- "Carbon trading is really not the most effective way of lowering GHG emissions, by outsourcing emission reductions, you may or may not be doing anything to help lower the risk of climate change."

Carbon Financeは温暖化を解決するか

