



# Climate-Resilient Development in Vietnam

## Proposed World Bank Strategic Directions

**Douglas J. Graham**

**Environment Coordinator for Vietnam  
Sustainable Development Department  
East Asia and Pacific Region**

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# Outline

1. Guiding Principles
2. Four Strategic Pillars
3. Three Cross-cutting Themes



# 1. Guiding Principles



# Principles for WB Support

- Evidence-based
- Poverty-focused
- Cost-effective for the Government
- Awareness of role of markets and private sector



## 2. Four Strategic Pillars



## Four Pillars

- 1. Mainstreaming at Policy Level
- 2. Mainstreaming at Project Level
- 3. Scaling-up Adaptation
- 4. Scaling-up Mitigation



# 1: Mainstreaming at Policy Level

- Continue closely supporting development of NTP and other sectoral CC strategies
- Mainstreaming in SEDP, future PRSCs, new Country Partnership Strategy (CPS) for 2011-2015
- Support as needed to Ministries Planning/Finance on financing issues
- Policy work Energy, Rural Development, Industry?



## 2: Mainstreaming in our Projects

- Systematically reviewing existing and future projects for mitigation and adaptation options (use of existing screening and footprinting tools)
- Better incorporation of CC in EIAs and SEAs
- Use of shadow price of C?



### 3. Scaling up Adaptation

Current activities (studies):

- Adaptation of urban areas to CC (WBI study about to begin)
- Study of welfare effects (GFDRR)
- Adaptation: urban drainage & construction (GFDRR)
- Economics of Adaptation (global study with pilot in VN)



## 3. Scaling up Adaptation

Planned activities (projects):

- Current and Second phase NDRM Project
- Sustainable Livelihoods in Coastal Fishing Communities Project?
- New adaptation components in urban and rural projects: greatest needs are not clear
- Use of Climate Investment Fund – where are best opportunities?
- NTP guidance important



## 4. Scaling up Mitigation

Current activities:

- Demand-Side Management & Energy Efficiency Project
- Renewable Energy Project
- Study on carbon financing opportunities
- HCFCs Phase-out Project (& Methyl Bromide)
- Livestock Waste Management Project



## 4. Scaling up Mitigation

Take advantage of:

- Climate Investment Funds (Clean Technology Fund)
- Carbon Partnership Facility
- Forest Carbon Partnership Facility
- Existing carbon financing funds?



## 4. Scaling up Mitigation

Energy Sector ideas:

- Renewable energy utilization
- Energy conservation and efficiency
- Fuel switching
- Clean coal technology application
- Recovery and utilization of associated gas from oil fields
- Improved cooking stoves



## 4. Scaling up Mitigation

### Transport sector:

- Fuel switching
- Modal shift
- Efficiency improvements



## 4. Scaling up Mitigation

### **Waste management sector:**

- Methane recovery through wastewater treatment
- Composting of organic solid wastes
- Landfill gas capture and its use
- Incineration of organic solid wastes for energy generation
- Methane recovery at livestock farms



## 4. Scaling up Mitigation

### Industry sector:

- Fuel switching
- Waste heat recovery
- Cogeneration
- Energy conservation and efficiency
- Technology improvement



## 4. Scaling up Mitigation

### Agriculture sector:

- Afforestation/Reforestation
- Irrigation Management of Wetland Rice Field



## 3. Cross-cutting Themes



## Three Themes

- 1. Engaging the Private Sector
- 2. Knowledge Gaps and Diagnostic Capabilities
- 3. Institutional Capabilities



# Cross-cutting Themes

## 1. Engaging Private Sector:

- Engagement of IFC and better coordination with IDA/IBRD projects
- Particularly clean technology transfer
- Explore options for private sector for adaptation investments



## Cross-cutting Themes

### 2. Addressing knowledge gaps:

- Policy research
- Economics of Adaptation
- Others to be determined based on demand from GoV



## Cross-cutting Themes

### 3. Building Institutional Capabilities:

- Future support needs remain to be determined
- Need for very close collaboration with other financing partners and projects
- WB's role is perhaps with institutions oriented toward financial issues, markets & private sector, and agricultural, transport, and energy sectors



# We Are Still Listening...



[www.worldbank.org/vn](http://www.worldbank.org/vn)  
[dgraham@worldbank.org](mailto:dgraham@worldbank.org)