



Climate Resilient Cities

Preliminary Lessons from Vietnam

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The World Bank

Overview of presentation

- How vulnerable are cities in Vietnam?
- Can the Primer help “proof” cities against climate impacts and disasters?
- Vulnerability self assessment
- Implementation in 3 cities
- City Information Base and Local Resilience Action Plan
- Scaling up - VN Workbook
- Next steps in Vietnam

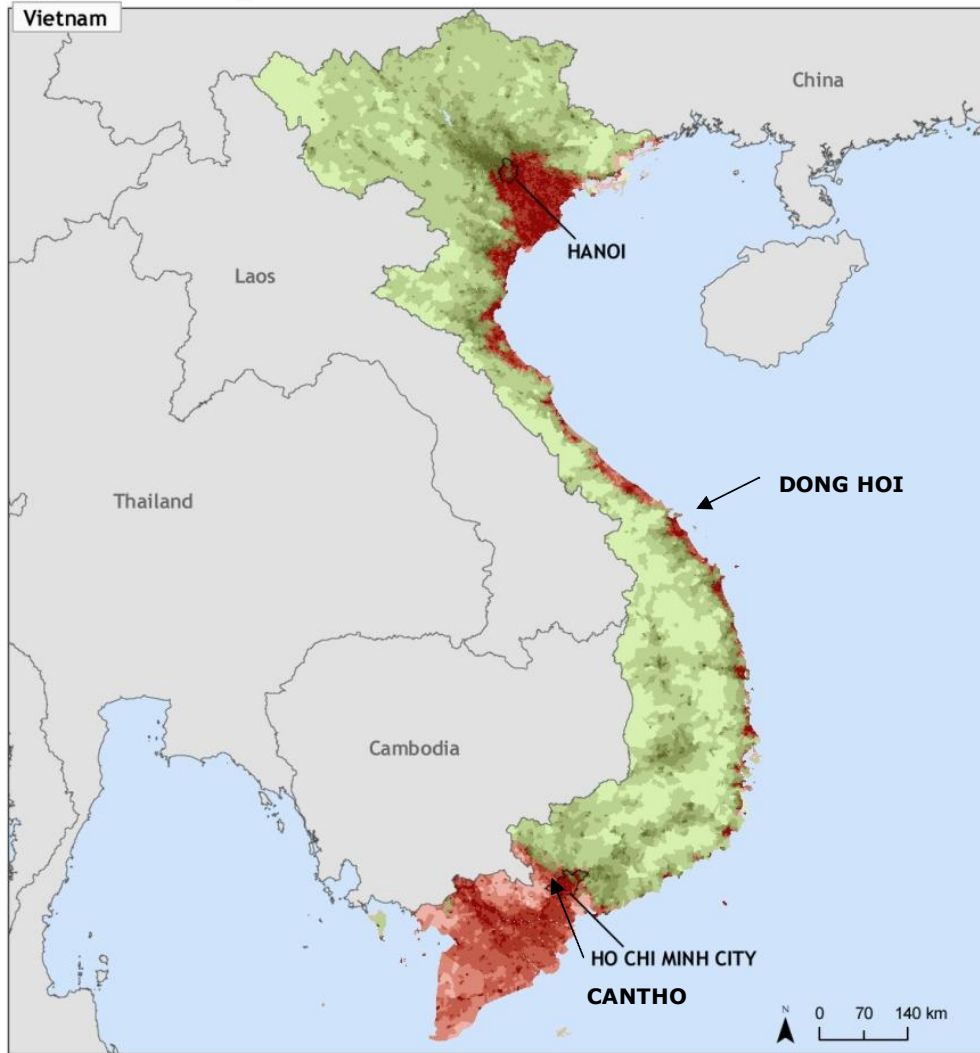
The Primer is relevant for VN



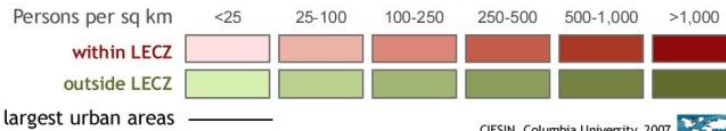
Vietnam: Urbanization Prospects

- Total Area: 331,000 sq km, comprises 64 provinces and 703 cities and towns;
- Population: 85 million, 23 million urban inhabitants (2006), pop growth rate >1% till 2020;
- Slow rate in urbanization from 1950 to 1990,
- Population Density
 - 256 persons per square km. (2005), 306 p/sm (2020);
 - Urbanization rate was 25.8% in 2004;
 - Average urbanization rate from 1990 to 2006 was 3.3% per year;
 - By 2015 more than 15% will be in large cities.

Population Density within and outside of a 10m Low Elevation Coastal Zone



Population Density within and outside of a 10 meter low elevation coastal zone (LECZ), 2000



CIESIN, Columbia University, 2007
<http://sedac.ciesin.columbia.edu/gpw/lec2.jsp>

Major population centers are severely impacted in Vietnam

National Plans

- **National Target Program to Resposnd to Climate Change**, issued by MONRE and approved on Dec 02, 2008, establishes the priorities especially on CC adaptation.
- **National Strategy for Natural Disaster Prevention, Response and Mitigation to 2020**, approved in Nov. 2007, issues by MARD, outlines VN's strategy for disaster mitigation and management and focuses on flods, storms and drought
- **Several Ordinances** – on prevention and control of flood storms, Water resources Structure protection,
- **Several Laws** – Environmental Protection law (1998), law on Dykes (2007)

Local Plans

- Master Plan to be realized by 2010 (Hanoi, Dong Hoi)
- Disaster Risk Management Plan to be realized by end of 2009 (Hanoi, Dong Hoi)
- Hanoi and Cantho recent extensions – land use plan, socio economic plan, flood protection plan, etc.
- NTP establishes several activities to be done at city level : information collection, management of information, prepare regular reports

The Primer: A Starting Point

- It helps city governments assessing vulnerabilities
- It presents a “hot spot” tool for identifying city-specific priorities for action
- It identifies both adaptation and mitigation strategies at the local level
- It is applicable to a range of cities - from those starting to build awareness on climate change to those with climate change strategies and institutions already in place
- It is a perfect tool for initiating dialogue...

Program Components – Vietnam

- Cities selection: Hanoi, Cantho, Dong Hoi
 - Criteria: demand, vulnerability, capacity, WB activities
- Develop a methodology tailored to Vietnam cities' to assist in scaling up resilience action planning to many other cities in the country
- Launch the Primer and its tools at city level
- Promote Roundtables/Workshops at city level to start working with the tools
- Identify Dep.t representatives and stakeholders to work with in assess vulnerabilities

Partnerships for resilience

- Government

- National level
- People's Committees: Ha Noi, Can Tho, Dong Hoi

- Community stakeholders

- Donor partners

- ISDR
- Rockefeller Foundation
- Others

Hot Spots Matrix

- **Hanoi** – Roundtable and vis a vis meeting with city Dep.ts (DONRE, DARD, DOC, DOT, DST, etc), with Ministries (MONRE, MOC and MARD) with stakeholders (Mass organizations, Association of SMEs, Donor Communities international and local NGOs)
- **Cantho** – in cooperation with Rockefeller Foundation, Roundtable with city officials and stakeholders, additional meetings at Dep.ts level to access information and fill out part of the Matrix
- **Dong Hoi** – City and Provincial level, Roundtable with city officials and stakeholders, additional meetings at Dep.ts level to access information and fill out part of the Matrix

Hot Spots Matrix – first results

- **Hanoi** – minor changes to be done to the matrix to fit VN needs, strong ideas about vulnerabilities and priorities to be address among city officials, stakeholders with slightly different views
- **Cantho** – minor changes to be done to the matrix to fit city needs, good scientific basis (University), Vice Chiarman of Cantho PC to address the exercise, Steering Committee already established
- **Dong Hoi** – strong cooperation at Provincial level, Steering Committee already established

In more details....

- Roundtables at city level with city officials and stakeholders in Can Tho (02/24), Hanoi (02/25) and Dong Hoi (02/27) to share and collect information
- Application of the Primer tools for identifying city-specific priorities for action and assessing vulnerability to climate change impacts
- Workbook first draft - Activity sheets ready to use to help/guide Primer tools implementation
- Wrap up meetings at city level
- Wrap up meetings at national level

STRONG BUY IN... THE PROJECT MUST GO ON!

Next steps....

- **CIB**: land use map, socio economic map, natural hazard map and future growth map to be design at city level
- On the basis of data collection, maps and stakeholders analysis **priorities** will be defined
- First **LRAPs** in the three cities to be developed by year-end, LRAP includes: vulnerability assessment, priority definition, adaptation and mitigation (cc and DRM) options and list of measures (short, medium and long term)
- **Workbook** first draft - Activity sheets ready to use to help/guide Primer tools implementation and then to be used to scale up
- **Consultation**, evaluation, feedback and...

Thank you

Climate Resilient Cities
www.worldbank.org/eap/climatecities

