

NATIONAL STRATEGY TO CLIMATE CHANGE ADAPTATION IN VIETNAM



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Introduction

- One of 5 most serious effected countries (WB, 2007)
- Most effected zones: RRD, MRD and Coastal Central
- Gov Resolution No 60/NQ-CP Dec 2007
- MoNRE (2008) National Target Program to Respond to CC
- National Forum on CC and Disaster Risk Reduction, Oct 2009



CC in Vietnam: Current Status (MoNRE, 2008)

- Temp:
 - 50 years (1951-2000): increasing 0.7°C
 - 1991-2000 vs 1931-1940:
 - Hanoi: 0.8°C; Da Nang: 0.4°C; HCMc: 0.6°C
- Rainfall:
 - 1911-2000: not clear/incr.
 - Less rainfall in dry season
- Sea level rise
 - 1951-2000: 20 cm
- Cold season shorted <1/2 month
- Typhoon season latter < 1 month



CC Trend in XXI

- Temperature increasing 3.7 – 4.2°C
- Rainfall increasing: 0-14.6%
 - in rainy season: increasing 3.6 – 4.6%
 - in dry season: decreasing 3.8 – 4.6%
- Sea level rise: different scenarios
 - SLR 100 cm: 23% no settlement

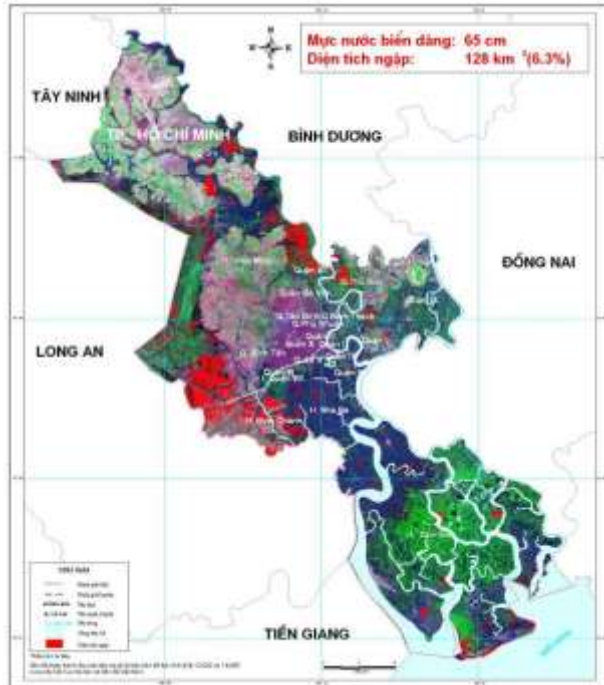


Scenarios of Sea Level Rise in XXI compared with 1980-1999 (cm)

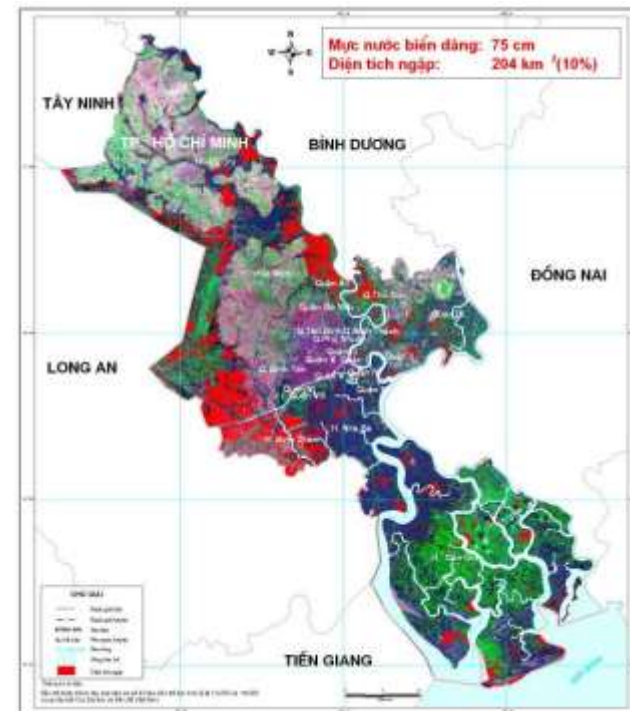
Scenarios	Year in XXI			
	2020	2050	2070	2100
Low (B1)	11	28	42	65
Medium (B2)	12	30	46	75
High (A1FI)	12	33	57	100



Scenarios in Sea Level Rise in HCMc

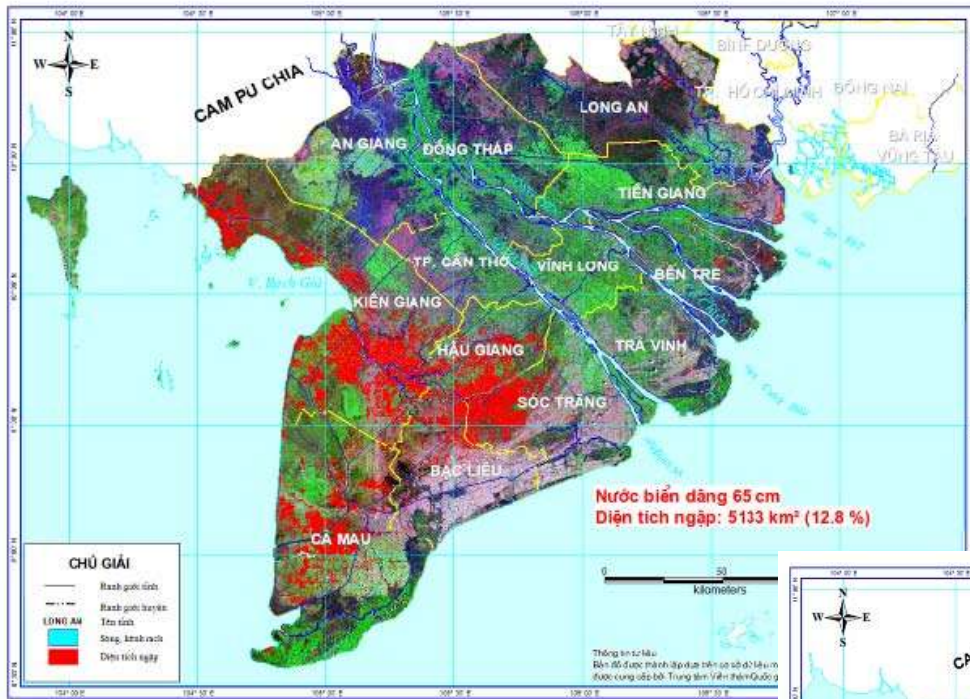


SLR 65 cm, 6.3%
lost (128km²)

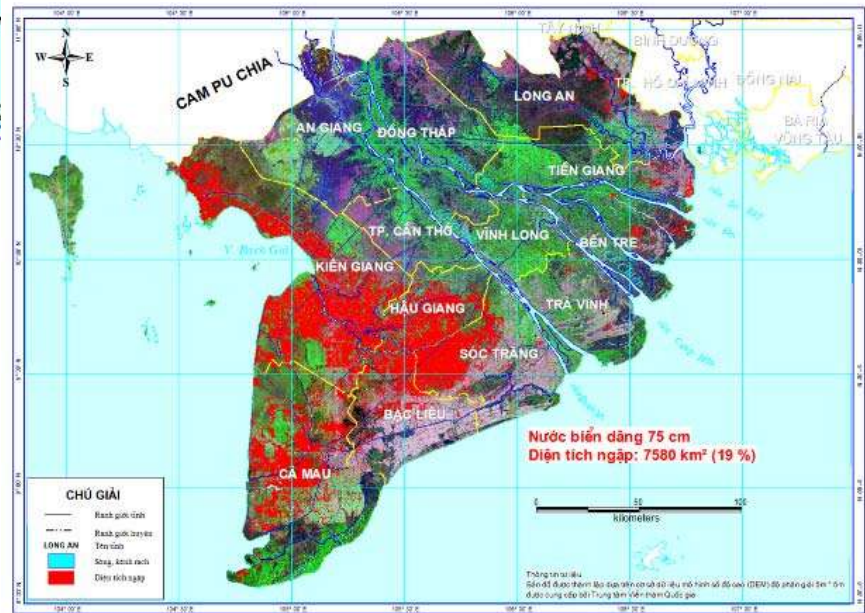


-SLR 75 cm, 10%
lost (204 km²)
-SLR 100cm
23% lost (473 km²)

In MRD
- SLR 65cm, area lost 12.8% (5133 km²)



- SLR 75 cm, area lost 19% (7580 km²)
- SLR 100 cm 38.8% (15,116 km²)



Main Impact of Climate Change

- Agriculture and food security
- Lost of plant and animal biodiversity
- Water resource (annual current, flooding current, dry current)
- Forestry (mangrove, biomass, fire)
- Fishery (resource distribution, natural feeds, corrals...)
- Energy and transportation (infrastructure, N-S railway,...)

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)

- The program will be implemented by combination of researches & practical CC responding measures
- 3 Phases
 - 2009-2010: Starting
 - 2011-2015: Implementing
 - 2016- : Developing

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)

8 Main Activities:

1. Assessment of CC Impact: To assess climate variability, develop CC scenarios & assess CC impacts, and identify CC adaptation measures
2. Identify measures to respond to CC: Measures to respond to CC be identified based on results of CC impacts and vulnerability assessment for sector/areas and localities
3. Develop a Scientific-Technological Program on CC

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)

8 Main Activities:

- 4.** Strengthen the Capacity in the Org, Inst and Policy on CC:
- 5.** Awareness Raising and Human Resource Development
- 6.** Enhancement of Inter Cooperation
- 7.** Mainstreaming CC Issue in Strategies, Plans, Socio-economic Development Planning and other Sectoral/Local Dev Plans
- 8.** Develop Action Plans to Respond to CC

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)...

Activity 3. Develop a Scientific-Technological Program on CC: *Aims*

- To provide sci. basis for development policy, institution and action plans to respond to CC
- To carry out research and start actions to use effectively energy
- To develop technologies using clean technologies,
- To strengthen capacity to respond to CC for ministries/sectors

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)...

Activity 3. Develop a scientific-technological program on CC: ***Target to be achieved***

- By 2010:
 - (i) Design & develop *framework of database* on CC;
 - (ii) Develop & start to implement National Scientific-Technological Program on CC;
 - (iii) Identify domestic & foreign financial resources for activities

National Target Program to Respond to CC (Implementing the Gov Res. No.60/NQ-CP)...

Activity 3. Develop a scientific-technological program
on CC: ***Target to be achieved..***

- By 2015:
 - (i) Complete & update database;
 - (ii) Implement Program at Ministries, Localities;
 - (iii) Research on nature, trend and scenarios of CC impacts on sectors, regions;
 - (iv) Develop Sci-Techn capacity at ministries, localities;
 - (v) Mobilize effectively financial resources

ACTION PLAN FRAMEWORK FOR ADAPTATION AND MITIGATION OF CC

(Decision 2730 dated 05/9/2008 by Minister of MARD)

- Carry out scientific research program
 - Research to ensure a stable area of 2 rice crops of 3.8 mill ha – food security (particularly RRD & MRD)
 - Research on food and industrial crops in adaptation to CC
 - Research on aquaculture and fisheries to adapt to CC

Centre for CC Study in Central Vietnam - CCCSC

- The CCCSC builds on the experience of the Sida/SAREC-supported Project on Sustainable Rural Development
- Is an autonomous organisation operating under the auspices of the HUAF
- The newly established CCCSC aims
 - at carrying out a range of climate change adaptation
 - and mitigation studies in Central Vietnam

- **Mission**

- Carrying out research on climate change adaptation and mitigation
- Organising non-degree training courses
- Networking, including seminars, workshops, sharing experiences, study tours
- Providing consultancy services

- **Contact address**

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**Thank you
very much
for your
attention!**