CLIMATE CHANGE AND TECHLONOGY NEEDS OF VIETNAM

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CLIMATE CHANGE AND TECHLONOGY NEEDS OF VIETNAM NATIONAL SOLUTION TECHLONOGY NEEDS

A. IMPACTS

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I. IMPACTS of CLIMATE CHANGE

Current status (for duration 1951-2000)

- Temperature: annual average temperature risen
 0.7 degrees Celsius
- Sea level: average sea level risen about 20cm (data taken at Cua Ong and Hon Dau stations, North of Vietnam)

I. IMPACTS of CLIMATE CHANGE

- Typhoon: more intense, move slowly
- Storm: season ends later, orbit is more unusual



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II. IMPACTS of SEA LEVEL RISE

- Vietnam:
- 3.260km long coastline
- one million km² of territorial waters
- over 3.000 small islands near the shore and two groups off-shore island
- many coastal lowlands (over 80% and 30% area of Cuu Long River and Red River Deltas under sea level of 2.5 m, respectively)



- Increases the number of the flooded areas
- → difficult for water drainage increased → coastal erosion
- → salt water intrusion affecting agricultural production and water
- → great risks to coastal buildings (sea dikes, roads, ports, factories, towns and populated coastal areas)

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III. IMPACTS of GLOBAL WARMING

- affect natural ecosystems
- influence agriculture:
- structure of plants and animals and crop is changed
- increase the likelihood of developing diseases and epidemics
- reduced productivity and output
- increase risks in food security



B. NATIONAL SOLUTION

NATIONAL TARGET PROGRAM

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I. BASIS

Decision 158/2008/QD-TTg approved the National Target Program, issued by the Prime Minister

→ respond to climate change

II. SPECIFIC OBJECTIVES

- 1. Assessing:
- extent of climate change in Vietnam by global one
- impact of climate change for the areas, sectors and localities
- 2. Identifying the measures responding to climate change
- 3. Strengthening scientific and technological activities
- \rightarrow establish the scientific basis for adaptation measures to climate change

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II. SPECIFIC OBJECTIVES

- 4. Consolidating and strengthening institutional capacity, institutional and policy
- 5. Raising awareness, responsibility and community involvement of human resource development
- 6. Enhanceing international cooperation in order to enlist the help and support of the international organization

II. SPECIFIC OBJECTIVES

- 7. Integrating climate change issues into development strategies, planning and economic development social, sectoral and local development
- 8. Developing and implementing action plans of ministries, branches and localities cope with climate change; implementation of the project, first as a pilot project

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III. PROGRAM FUNDING

- For the implementation of the program activity period 2009 - 2015
- Not include funding for implementation of action plans of ministries, branches and localities
- Estimated at 100 million USD, capital allocations, as follows:
- Foreign capital 50%
- 50% domestic capital

C. TECHLONOGY NEEDS

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I. Technologies for supporting the modern sea dikes

→ reduces harmful effects of sea level rise



II. Technologies alternative environmental-friendly energy sources





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III. Modern waste treatment technology



• and so on

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THANK YOU FOR YOUR ATTENTION!

