

						a & 7 - 5					
Current Status of CC in Vietnam											
1) Number of decreases s	Decade		Average number of drizzle days in Ha Noi								
 2) Frequency of cold front in the North decreases significantly in the past three decades; 3) Number of cold spell decreases. 				961 - 1970	29,7						
				971 - 1980	35,8						
				981 - 1990	28,7						
				991 - 2000		14,5					
Decade	(T _{avr} day <15°C)	Prolong (day)		$(T_{tvr} day < 13^{\circ}C)$		Prolong (day)					
1961 - 1970	26,6	26		11,7		16					
1971 - 1980	29,7	25		13,5		14					
1981 - 1990	29,8	16		17,0		10					
1991 - 2000	20,4	16		7,3		10					

Current Status of CC in Vietnam

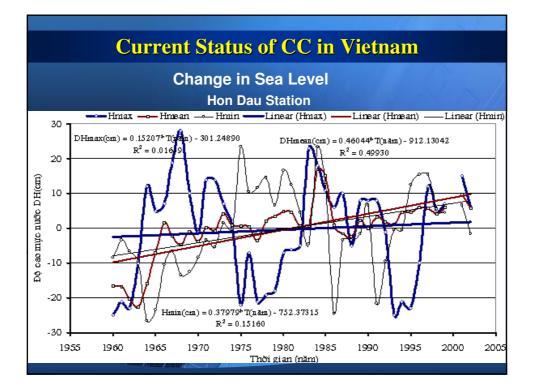
- Off-season extreme rainfall events occure more frequently. More profound is events in November 2008 in Ha Noi and surround.
- Number of hot wave is more in 1991 - 2000, especially in the Central and South.

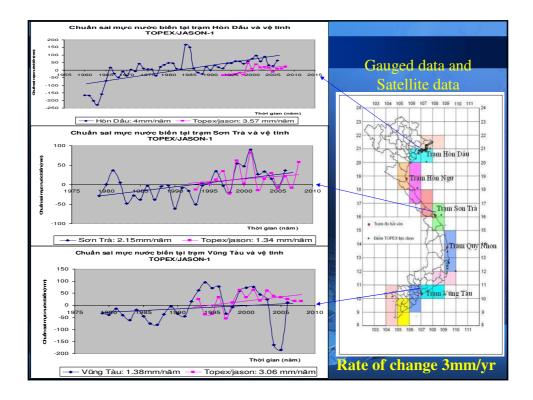
Station	19hrs 30/10/08 to 1hrs 1/11/08
Ha Noi	408
Ha Dong	572
Hung Yen	158
Hai Duong	-
Hoa Binh	129
Bac Giang	136
Hiep Hoa	186

Current Status of CC in Vietnam

- Rainfall increases in rainy season (Sep. to Nov.)
- More heavy rainfalls causing severe floods which occur more frequently in the Central and Southern VN.
- Rainfall decreases in dry season (Jul., Aug.).
- Drought happen every year in most regions of the country.
- CC already caused severe natural disaster, especially typhoons, floods and droughts.







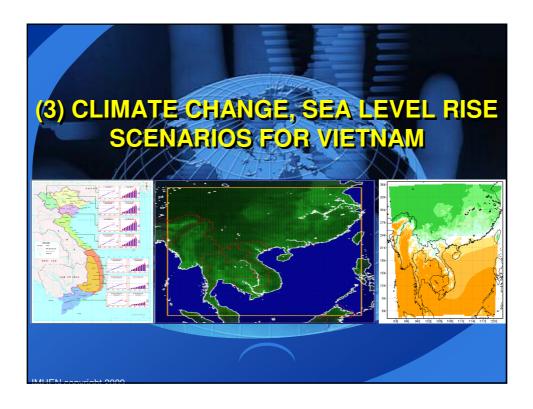


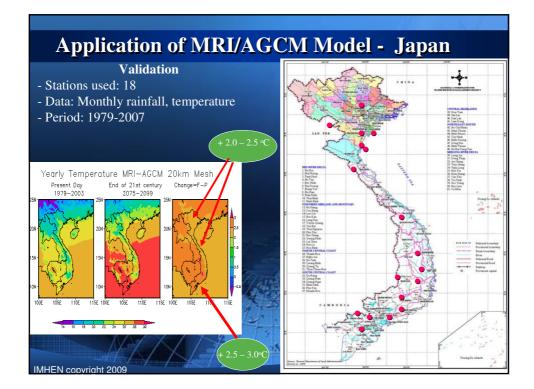
Develop and implement action plans of sectors and localities to respond to CC

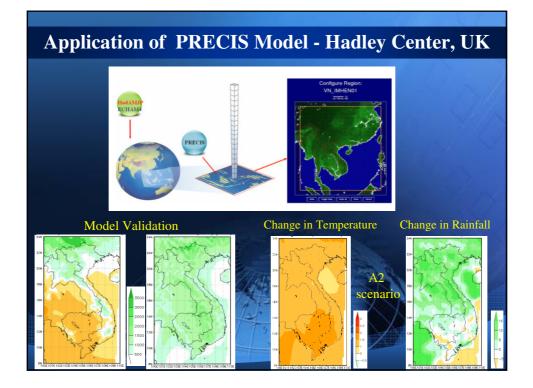
develop feasible action short and long-term to To take opportunities to develop towards a low-carbon economy, community's efforts in

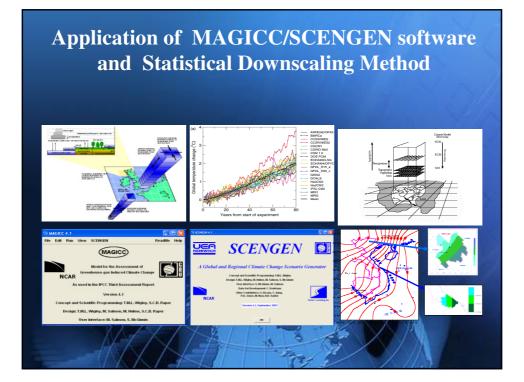
DIFFICULTIES IN THE IMPLEMENTATION

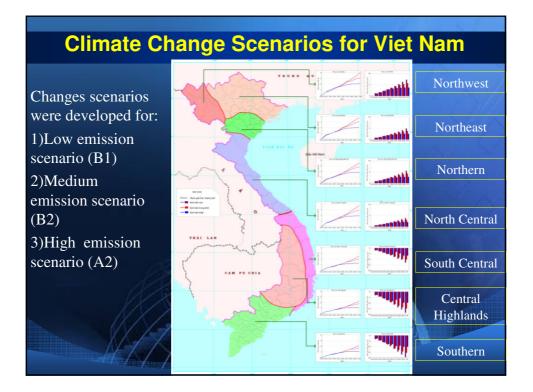
- 1) Poor awareness (scope, level, measures) at all levels and sectors (from officials to communities);
- 2) Weak coordination for mainstreaming CC in national/local policies & plans due to "mainstreaming overload";
- 3) Lack of tools and methodologies for policy development;
- 4) Lack of knowledge.











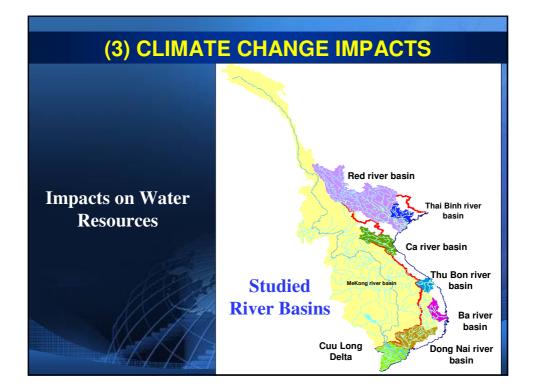
CC Scenarios for Viet Nam

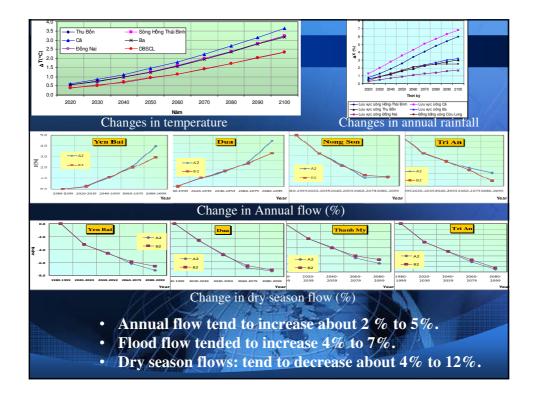
Due to the complexity of CC and limitation of our knowledge in CC, both in VN and in the world, together with the consideration of mentality, economy, uncertainty in green house gas emission scenarios..., the most harmonious scenario is the medium scenario. It is recommended.

CC Scenarios for Viet Nam

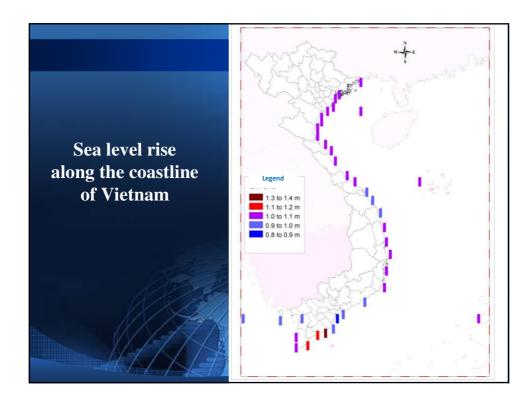
- By the end of 21st century, temperatures in Vietnam would rise 2.3°C relative to the average of 1980-1999.
- 2) Annual rainfall and rainy season's rainfall would increase, while dry season's rainfall tends to decrease, especially in Southern climate zones.

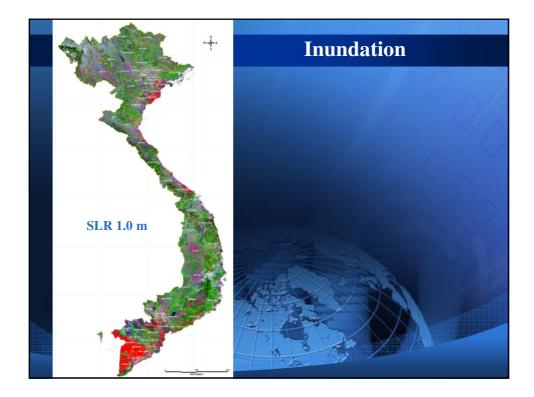
Sea Level Rise Scenarios											
 By mid of the 21st century sea level is expected to increase about 30cm Sea level would rise about 75cm by the end of 21st century compared to the period of 1980 - 1999. 											
SLR Scenario	Decades in the 21 Century										
	2020	2030	2040	2050	2060	2070	2080	2090	2100		
Low (B1)	11	17	23	28	35	42	50	57	65		
Medium (B2)	12	17	23	30	37	46	54	64	75		
High (A1FI)	12	17	24	33	44	57	71	86	100		
	$\Lambda \wedge$	$L \square$	1	- 6 -		7 2		and and and a second			

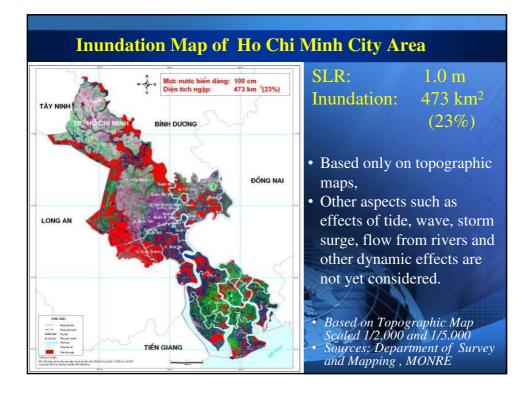


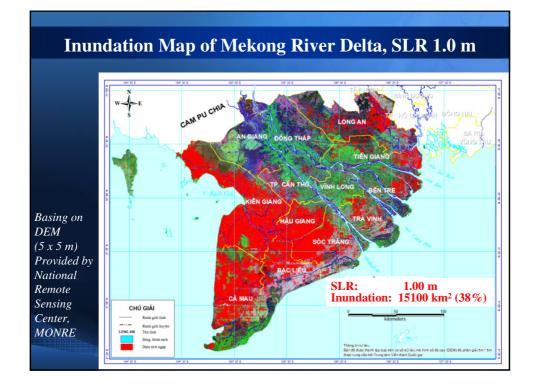


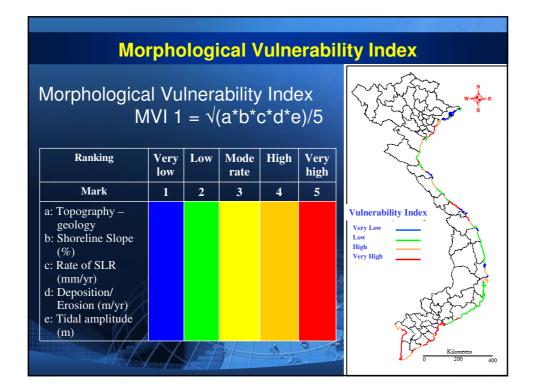














OPTIONS FOR SUSTAINABLE DEVELOPMENT

Financing Adaptation and long term investments should focus on:

- Large-scale infrastructure to protect lives, livelihoods and property;
- Location of industrial zone is critical to vulnerability to CC;
- Urban drainage and wastewater systems must be designed or adjusted for higher rainfall and peak flow.
- Apply critically participatory, consultative approaches in large investment programs.
- Strengthen urban and rural spatial planning and formulation of integrated master plans.

OPTIONS FOR SUSTAINABLE DEVELOPMENT

Key issues are:

- Immediate mainstreaming off CC in investment plans
- Ethnic minority are vulnerable but also hold great value in adaptation knowledge and practices
- Required adaptation can become an opportunity for achieving sustainable development

Conclusions

- 1) Being particularly impacted by CC.
- 2) Long history and capacities to mitigate natural disasters: research and development capacities in agriculture sector, and substantial intellectual capacity and human resources in water management.
- Civil engineering capacities and built up experience with participatory, community-based approaches to DRR and small scale infrastructure development.
- => All these capacities, together with international cooperation in research, capacity building, planning and investment.

Conclusions

- 4) Laws, strategies, plans and programs on CC related issues are made consistent with principles of sustainable development:
- National Target Programme to Respond to CC
- + Provides basis for action planning in all sectors and localities and supports researches and awareness raising, and helps coordination;
- + Formulate an overall CC strategy with long term goals on adaptation and mitigation.
- CC scenarios: provides "precautionary principle" for long-term visioning and planning.

Conclusions

- 5) Moving towards a low carbon economy has other benefits in addition to GHG emissions mitigation, VN also has potential and capacities to improve upland and coastal forests;
- 6) The right domestic policies, good international relations, and political will from all sides, *global and national efforts to mitigate CC can become a development opportunity for VN, including its business, managers, and citizens.*
- 7) Government continues to demonstrate commitments in dealing with CC, nationally and internationally.

