

1. Introduction

IMHEN

- Vietnam is known as one of the most affected countries due to sea level rise
- It is projected to rise up 33cm (2050), 57cm (2070), 1m (2100) under A1FI
- Increase in quantity and intensity of extremeweather events (typhoon, flood, flash flood, drought, heavy rainfall);
- More abnormal patterns of disasters.

Scenarios	Decades in the 21 Century								
	2020	2030	2040	2050	2060	2070	2080	2090	2100
Low emission Scenario (B1)	11	17	23	28	35	42	50	57	65
Medium emission scenario (B2)	12	17	23	30	37	46	54	64	75
High emission scenario (A1FI)	12	17	24	33	44	57	71	86	100



2. Trends in Extreme Climatic Events

IMHEN

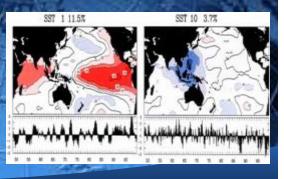
- Drizzling rain decreases significantly;
- Cold front decreases;
- Cold days, damaging cold days decrease, but appeared extremes cold spell;
- Heat wave increases in central and southern areas;
- Off-season extreme rainfall events occure more frequently;
- ENSO has stronger effects on weather and climate in Viet Nam

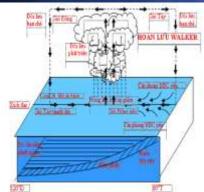












Floods

- * Red River: Annual flow has decreased in recent years, but strong flood events occure more frequently.
- * Mekong River: Sequence of strong flood occurred in 2000, 2001 and 2002, crest of flood at Tan Chau is over 4,5m indicate that there is increase of hydrological extremes.
- More and more flash flood is serious, number of serious flash flood in period:
 - 1971 1980: 7;
 - 1981 1990: 8;
 - 1991 2000: 103;
 - 2001 2007: 87.

Droughts



- ❖ Drought occure more frequently. Dry seasons in 2009-2010, 2010-2011, serious drought appeared in North delta; South-Central; Central Highlands; and South delta.
- ❖ Dry and deficient water was significantly in dry season. Water level, discharge, and water reserves in water reservoir have minimum levels.



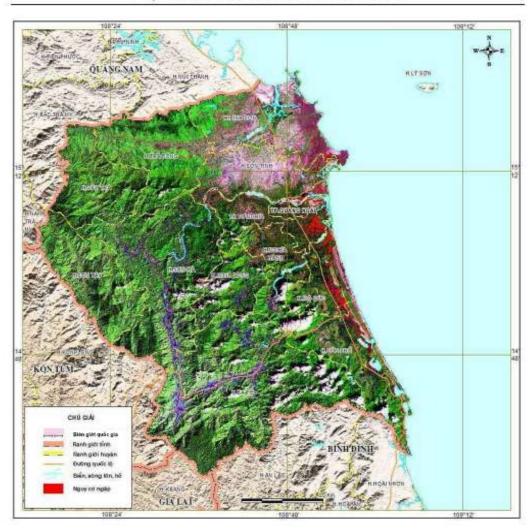


3. Quang Ngai Province: Emerging Issues and Priorities



Quang Ngai province:
-Located in the middle
of Vietnam
-effected by typhoons,
floods, droughts, sea
level rise, salinity, ...

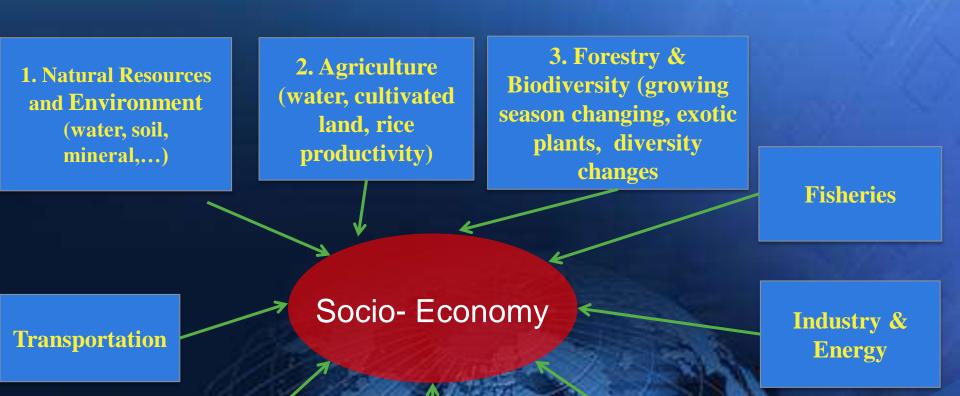
BỔ TÀI NGUYÊN VÀ MỚI TRƯỚNG



Hình 4.11. Bản đồ nguy cơ ngập tỉnh Quảng Ngãi ứng với mực nước biển dâng 1m

Impacts of climate change on Quang Ngai Province





Health

Tourism

Construction



1: To assess the extent and impact of climate change on Quang Ngai

2: Identify measures to respond to climate change for each specific field

3: Raise awareness and develop human resources

PRIORITIES

6: Development and implementation of programs and projects of the Plan

5: Integrate, mainstream climate change issues into strategies, programs, planning and social-economic development, sectoral and local development

4: Strengthening international cooperation



Thank you