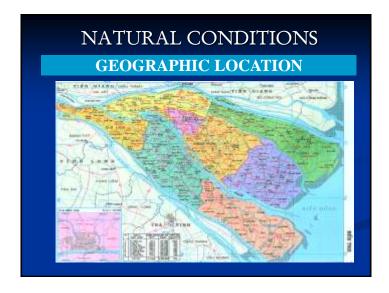


## NATURAL CONDITIONS

### **TOPOGRAPHY**

- There are three typical topography types in Ben Tre:
  - Low-lying area (with elevation below 1m): 6.7% of total area.
  - Medium elevation area (elevation of 1-2m): 87.5% of total area.
  - Elevated area (2.0-3.5 m, some particular area of more than 5m): **5.8**% of total area.



### NATURAL CONDITIONS

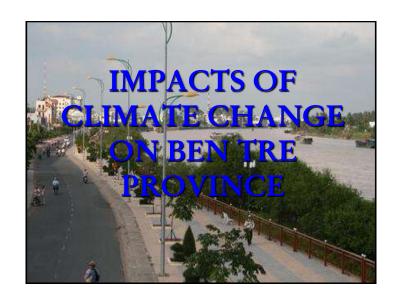
### WEATHER

- **Temp:** 26 27°C, increased 0.05-0.15°C in the 20<sup>th</sup> century
- **Rainfall**: 1,200-1,500 mm
- Water level: in 2003-2007, water level was 15-20 cm higher than annual average.

### NATURAL CONDITIONS

### **CLIMATIC**

- Wave: the most dangerous direction is the North-East, East, and South-East.
- Saline intrusion: especially in the dry season, saline intrusion is serious and far reaching inland.
  - Salinity boundary 4%: up to 50km into land
  - Salinity boundary 1°/<sub>00</sub> up to 70km
- Storm: subject to the impact of tropical low pressure or storms such as Durian Storm in 2006.





### **COASTAL AREA**

- Coastal erosion-mangrove
- Far reaching inland saline intrusion
- Increase of salinity impacted area

### WATER RESOURCES

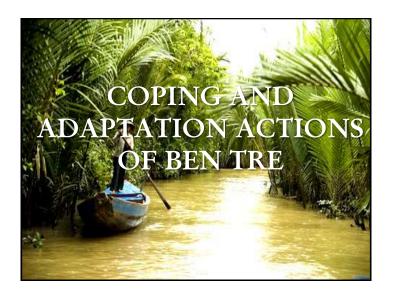
- Water shortage, drought, salinity intrusion
- Reduced ground water recharge and retention capacity.

### LAND RESOURCES

- Changes to land use
- Reduction of agricultural land
- Changes of human settlement, especially along the coast.

### INDUSTRIAL SECTOR

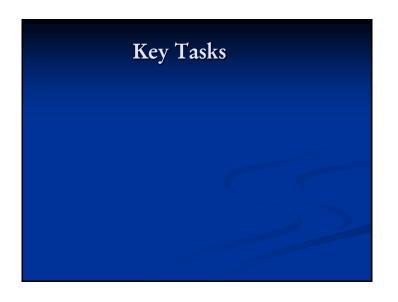
- Reduction of raw materials
- Affected production area



# AGRICULTURE, FORESTRY, FISHERY

- Area for aquaculture might be inundated and intruded by salinity
- Reduced area for fresh water fishery
- Extirpation of flora and fauna species that fail to adapt.

1.	Tổng điện tịch		
Tioh	(km2)	Dien tich bị ngép (km2)	% bi ngap:
Ben Tre	2,257	1,131	50.1
Long An	4,389	2,169	49.4
Tra Vinh	2,234	1,021	45.7
Soc Trang	3,250	1,425	43.7
Ho Chi Minh City	2,003	862	43.0
Vinh Long	1,528	606	39.7
Bac Lieu	2,475	962	38.9
Tien Giang	2,307	783	32.7
Kien Glang	6,224	1,757	28.2
Can Tho	3,062	758	24/7
Tổng cộng	29,027	11,474	30.6



### For water resources Complete the freshenizing DONRE infrastructure system: Ba DARD Lai dam and watergate and DIPI Cau Sap Dept of Finance plan, manage surface water DOST sources Weather Forecast Station use water appropriately Improve capacity for climatic and hydrological and water resource forecasting

### For marine and coastal area Identify areas that DONRE construction should be DARD forbidden along the coast DIPI Buid the coastal road to Dept of Finance cope with 30cm of in 2050 DOST Build the weather and env't Weather Forecast Station warning system Upgrade the coastal dyke system and river mouth dyke Protect coastal mangrove and wetland ecosystems

### For Agricultural Sector Shifting structure of DONRE animal husbandry and DARD cropping appropriate DIPI to Climate Change Dept of Finance ■ Improve drainage of DOST rain water. Weather Forecast Research and Station application of science and technology in farming, irrigation, and drainage

### For forestry sector Socilize forest planting, DONRE management; increase DARD forest planting and scatter DIPI planting Dept of Finance Protect natural protection DOST forest, planted forest, and mangrove ecosystems Forest fire control Establish forestry seed/seedling supply area

### For Landuse Planning Optimize land use planning MONRE according to selected CC DARD scenarios DIPI Shift structure of land use Dept of Finance appropriate to CC DOST Prioritize land for water resource management infrastructures Research on measures for preventing soil degradation Adjust urban planning and planning of residential areas.

#### For fishery sector Develop aquaculture DONRE species/varieties that can DARD cope with environmental DIPI change Dept of Finance Establish nature reserves DOST Research, forecast movement of fishes, change of fishing grounds Establish fishery fingerling supply areas Develop integrated aquaculture systems to prevent storms and inundation



## For Transportation Sector

- Upgrade and improve transportation infrastructure system
- Promote the use of public and less pollution
- DONRE
- DARD
- DIPI
- Dept of Finance
- DOST
- Dept. of Transport

## For culture and information sector

- Enhance environmental education
- Provide training on CC to managerial officials and communities
- DONRE
- DARD
- DIPI
- Dept of Finance
- DOST
- Dept of Health
- Mass organization

## For Public Health Sector

- Improve health care system
- Improve public awareness
- Monitor epidemics and develop medical interventions
- DONRE
- DARD
- DIPI
- Dept of Finance
- DOST
- Dept. of Health

