



WATER RESOURCES MANAGEMENT & ITS PROBLEMS IN MEKONG DELTA OF VIETNAM

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MEKONG RIVER

- Run through 6 countries;
- Length: 4,200 km;
- Catchment area: 795,000 km²
- Vietnamese area: 39,000 km² (5%)



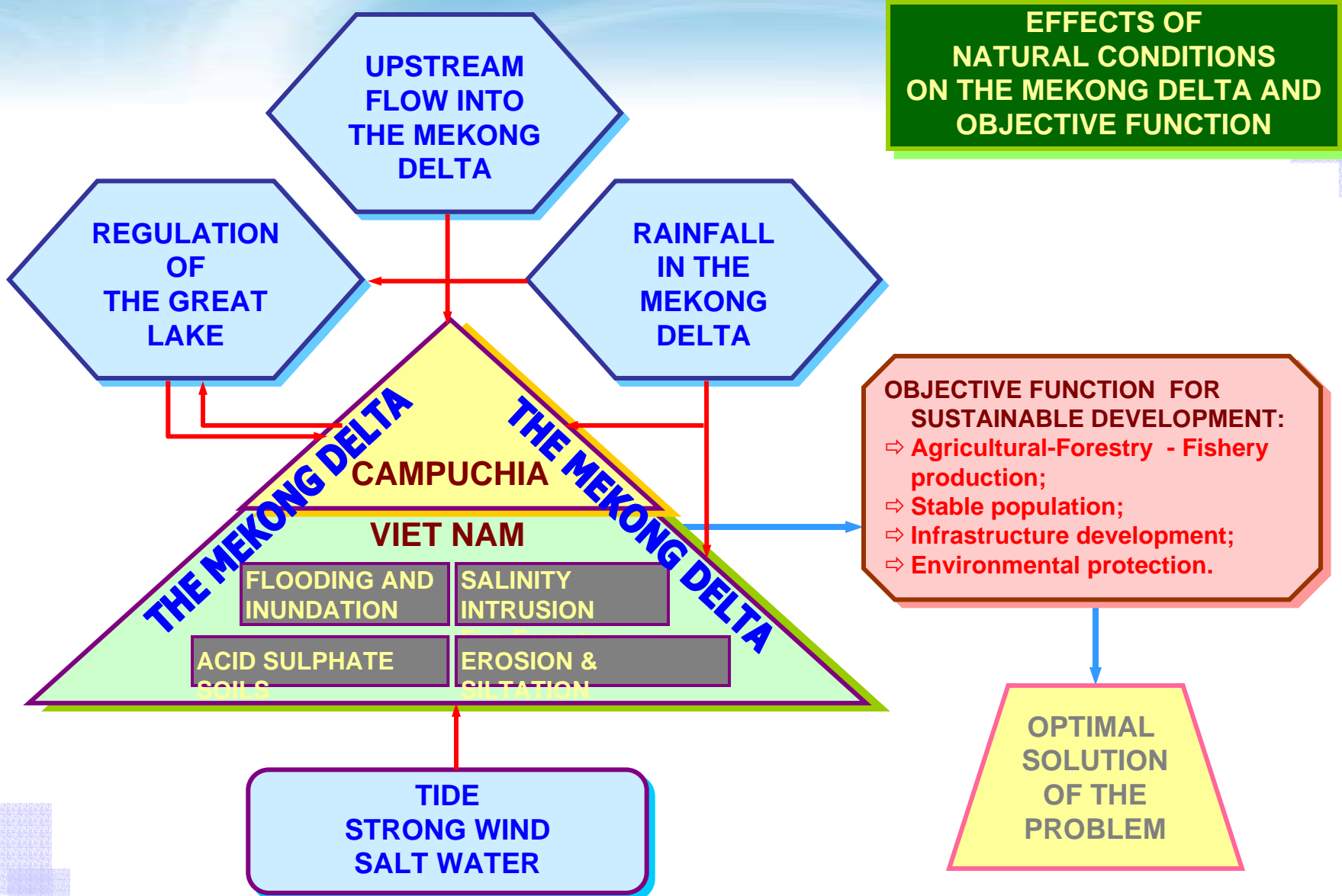
THE MEKONG DELTA



- ➡ **Gross area: 3.94 mil.ha. Pop. :17 mil.people;**
- ➡ **Mekong Delta is the rice bowl and main food producing area of Viet Nam**
- ➡ **The key of “National Food Security” (50% of total food production of Viet Nam);**
- ➡ **Production of 16.8 million tons in 2000;**
- ➡ **Important achievements in agricultural production during the past decade: the fastest growing agricultural area of the country and the Mekong basin**
- ➡ **Mekong Delta remains one of the poorest areas of the country in terms of social and economic benefits per capita**



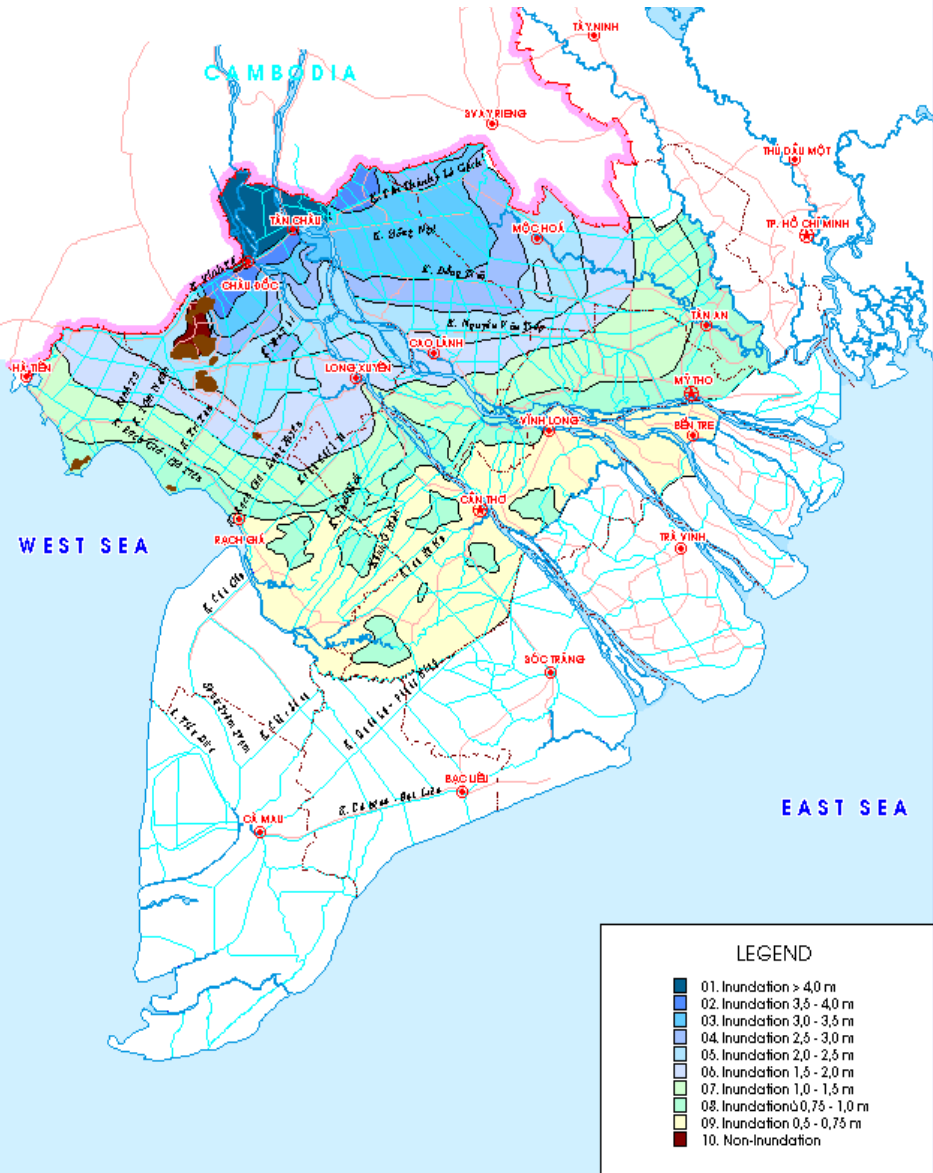
THE MEKONG DELTA



THE MEKONG DELTA



FLOOD INUNDATION DEPTH 2000



FLOODING AND INUNDATION

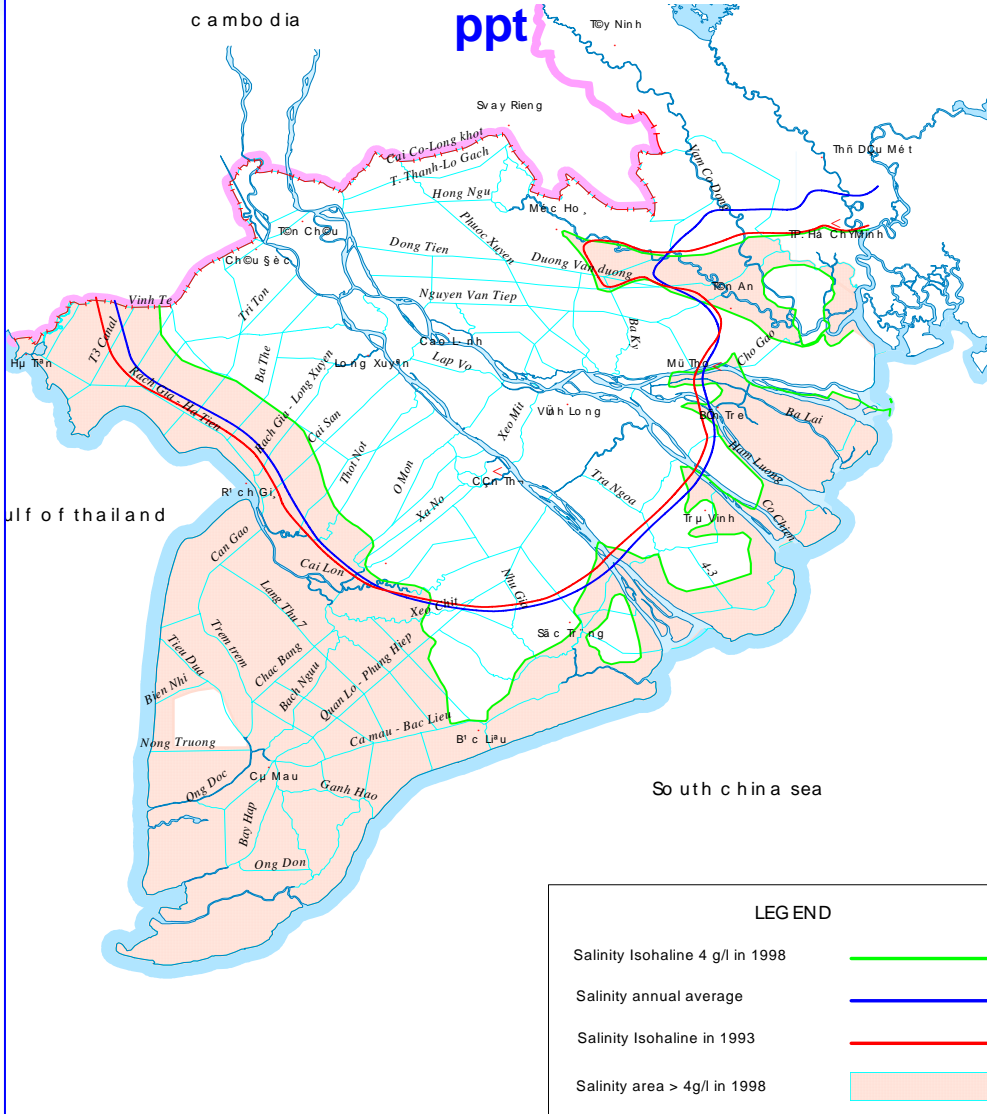
- Flood area: 1.2-1.9 million ha;
- Inundation depth: 0.5-4.0 m
- Duration: 3-5 months
- Recent high floods: 1996, 2000, 2001, 2002



THE MEKONG DELTA



Isohaline of Salinity Intrusion at 4 ppt



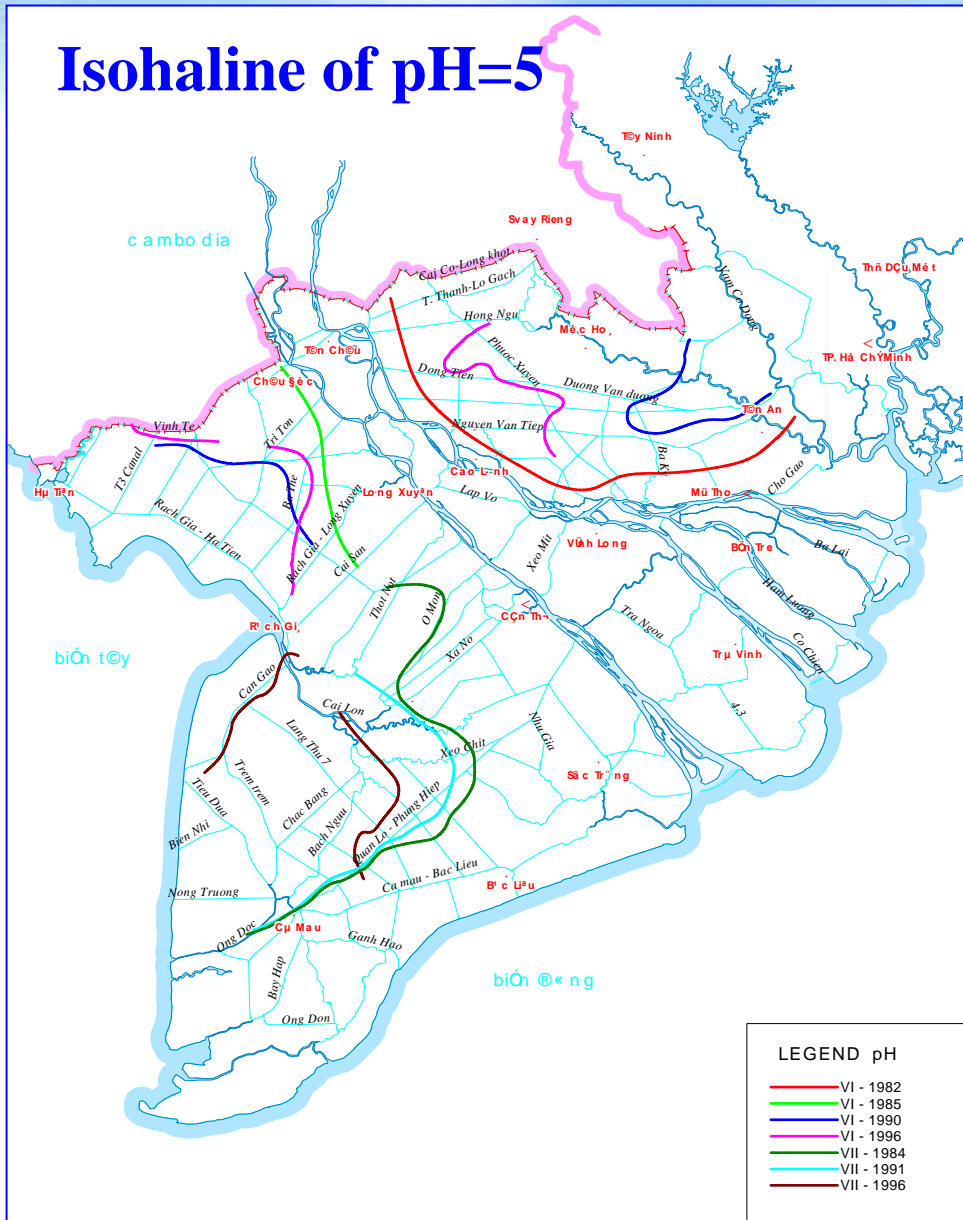
Salinity Intrusion:

- Area: 1.4-1.6 million ha;
- Length (4 g/l): 40-50 km
- Duration: 1-3 months in a half of area
- Historic salinity intrusion: 1977, 1993, 1998

THE MEKONG DELTA



Isohaline of pH=5



↗ Acid Sulphate Soils:

- **Area:**
1.4-1.6 million ha
- **“Problem soils”:**
0.8-0.9 million ha
- **Duration:**
3-6 months (pH=5)
- **Severe areas: Plain of Reeds, Long Xuyen Quad., Ca Mau Peninsula**



Food inundation in Dong Thap



Acid Sulphate Soils in Plain of Reeds



Fire in Ca Mau Province



MAY 17 2004
Erosion in Ben Tre River

LIVING ON EASY STREETS

Economy

Society

Environment

Water Resources

Harmonic
Combination

Sustainable
Development



A sunset scene over a body of water. The sun is low on the horizon, creating a bright orange and yellow glow that reflects on the water's surface. The sky transitions from a deep orange near the horizon to a dark blue at the top. The text "THANK YOU FOR YOUR ATTENTION" is overlaid in a bold, green, sans-serif font, with a semi-transparent grey shadow behind it.

**THANK YOU
FOR YOUR ATTENTION**