

### 1. PRE-EVENT

- USA is a HIC, GDP per capita in 2005 \$46000  
IMR 7/1000 LIFE EXPECTANCY 79 HDI 13/189
- Very sophisticated monitoring and prediction see 'CYCLONE MONITORING' for details
  - Satellite monitoring
  - NHC and NOAA flights and weather recording
  - Radar for rainfall patterns
  - Computer models predicted intensity on Saffir-Simpson scale, track and landfall accurately
  - Mississippi and Louisiana declared state of emergency on 26th, control centres set up, 70=80% of New Orleans residents evacuated
  - Supplies/resources stockpiled
  - Delta of Mississippi very low lying but levees and defences quite strong and high
  - Few vulnerable buildings

### 3. RESCUE

- Coastguard, police, fire, army enlisted to help with rescue attempts
- 50,000 people rescued
- 25,000 given temporary shelter in places like the Louisiana Superdome
- FEMA Federal Emergency Management Agency aided in the rescue
- Thermal imaging equipment was used
- Helicopters were used and field medical centres were set up

### 5. REHABILITATION

- \$800 million given for rebuilding levees and flood defences
- \$34 billion allocated for rebuilding schools and houses/homes
- 2050 Coast Plan developed to recreate swamp/marsh and barrier islands to act as a natural defence
- This plan aims to manage and restore ecosystems and habitats and assess and reduce the risk to coastal communities in the future
- Economic growth has slowed and there has been impacts on housing, infrastructure and tourism
- Some residents have still not recovered fully and there is a poor/rich and black/white split in progress

QUALITY OF LIFE

TIME

### 2. DISASTER EVENT

- Saffir-Simpson category 5 at landfall
- storm surge 4.3 m, winds >280 km/hr, heavy rainfall
- **Social impact** :1800 killed
- 300,000 homeless
- 3 m with no electricity
- Bridge collapse cut off main escape route
- **Economic impact** : \$300 billion cost
- Gas, water and electricity destroyed
- Shops looted, 30 offshore rigs destroyed
- **Environmental impact** : levees breached
- land flooded
- coastal habitats lost eg. turtle breeding beaches

### 4. RELIEF

- Congress allocated \$60 billion in aid
- Volunteers for the American Red Cross set up shelters for 160,000 evacuees
- 3-5 days after the event some were still without water despite ice, water and ready meals being available
- Some criticism of the relief efforts
- Shelters were set up by 19 states in total
- Foreign aid was accepted
- National Guard helped in the clear up

PARK MODEL

HURRICANE KATRINA 29th AUG 2005