

SIDS GBN Forum

Environmental Sustainability and Renewable Energy

Republic of Mauritius

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BAHAMAS MINISTRY OF TOURISM



THE BAHAMA ISLANDS

TOURISM ECONOMY

- IN 2017 6.1 MILLION VISITORS CONTRIBUTED USD 2.6 BILLION
- T&T REPRESENTS OVER 50% OF TOTAL ECONOMIC ACTIVITY
- EMPLOYMENT – 1 OF EVERY 2 JOBS T&T
- 75% OF FOREIGN EXCHANGE
- 20% OF INVESTMENT



TOURISM ASSETS



- 700 ISLANDS WITH CRYSTAL CLEAR WATERS
- 3RD LONGEST BARRIER REEF (3RD LARGEST LIVING ORGANISM)
- 900 SQ. MILES OF REEFS
- 100,00 SQ. MILES OF COASTLINE
- LARGEST NUMBER OF INLAND AND OCEAN HOLES



TOURISM ASSETS

- 250 SPECIES OF MIGRATORY BIRDS
- 17 INTERNATIONAL AIRPORTS
- 280 HOTELS – 15,000 ROOMS
- 90 MARINAS

CLIMATE CHANGE THREATS



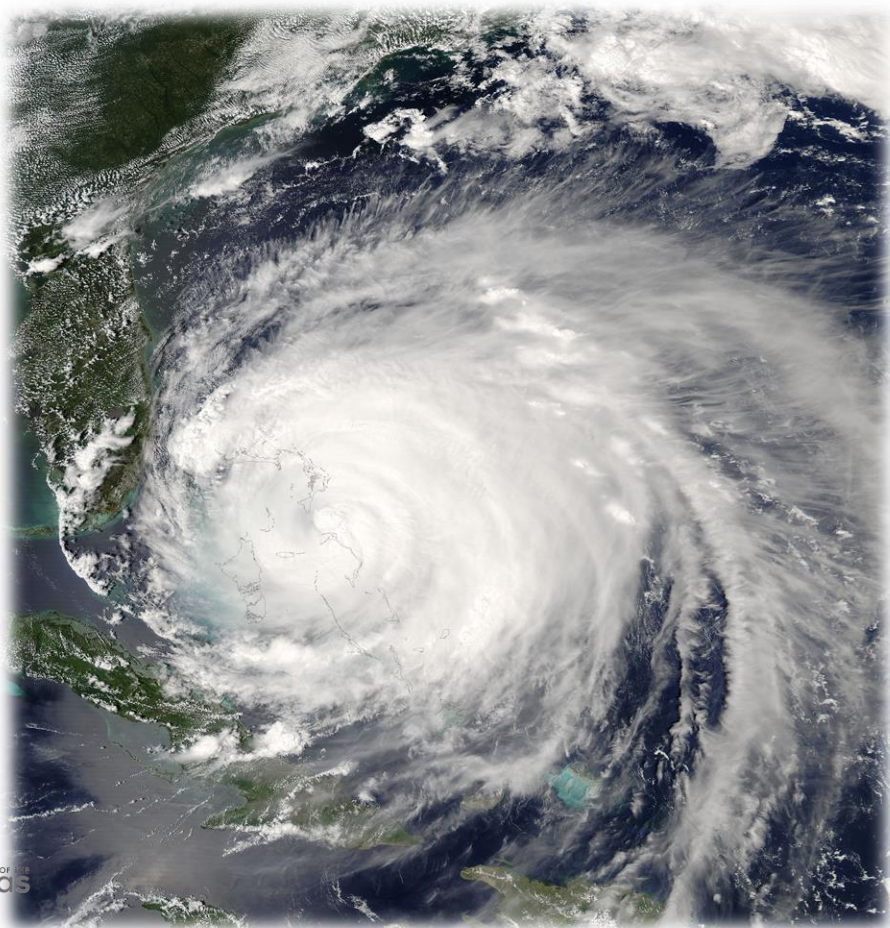
- INCREASE IN NUMBER OF WARM DAYS AND COLD NIGHTS
- FREQUENCY OF EXTREME WEATHER RELATED EVENTS
 - HURRICANES, DROUGHTS, FLOODS
- AN INCREASE IN MEAN TEMPERATURE OVER LAST 3 DECADES
- WETTER WET SEASON AND DRIER DRY SEASON EXPECTED

IMPACTS ON TOURISM PRODUCT



- INCREASED STORM SURGE – COASTAL DAMAGE
- INUNDATION OF FLOOD AREAS
- AQUIFER SALINISATION
- WARMER WATERS RESULT IN LOSS OF CORAL REEFS
- MANGROVE DESTRUCTION
- MORE FREQUENT AND INTENSE STORMS AND HURRICANES
 - 2017: 10 HURRICANES AND 6 MAJOR HURRICANES (200 BILLION+)
 - INCREASE INSURANCE PREMIUMS
 - INCREASE COST (INHIBITS COMPETITIVENESS)
 - PERCEPTION OF UNSAFE DESTINATION

MAJOR HURRICANES SINCE 1970S



HURRICANE FRANCES, 2004

CATEGORY	1970-79	1980-89	1990-99	2000
3	9	7	11	6+
4	3	7	12	8+
5	3	3	2	5+
TOTAL	15	17	25	19

(SOURCE CARIBBEAN DISASTER EMERGENCY RESPONSE AGENCY)

IMPACT OF HURRICANES IN THE CARIBBEAN

- BAHAMAS (FRANCES & JEANNE)
 - USD 551M - 10% GDP
- CAYMAN ISLANDS (IVAN)
 - USD 3.5 B – 183% GDP
- GRENADA (IVAN)
 - USD 889M - 200% GDP
- JAMAICA (IVAN)
 - USD 595M – 8% GDP
- ST. LUCIA (IVAN)
 - USD 2.6M



HURRICANE MARIA, 2017



CARIBBEAN COOLING INITIATIVE

C-COOL



- DUE TO HIGH ENERGY COST, INCREASE IN DEMAND FOR COOLING PRODUCTS, C-COOL LAUNCHED IN 2018
- COUNTRIES:
 - BAHAMAS
 - BARBADOS
 - DOMINICAN REPUBLIC
 - JAMAICA
 - ST. LUCIA
- LACK OF REGULATIONS OF ENERGY PERFORMANCE RESULT IN WASTED ENERGY, INCREASE IN NATIONAL ENERGY BILL AGGRAVATED BY GREENHOUSE GAS EMISSIONS



BACKGROUND

- **FUNDING SOURCE**
 - KIGALI COOLING EFFICIENCY PROGRAM
- **LEAD AGENT**
 - UN ENVIRONMENT'S UNITED FOR EFFICIENCY (U4E)
- **LOCAL STAKEHOLDERS GROUP**
 - MIN OF TOURISM, BEST COMISSION, BBSQ AND BTVI
- **IMPROVE ENERGY EFFICIENCY OF AC AND REFRIGERATORS**
- **TRANSITION TO ENERGY EFFICIENT AND CLIMATE-FRIENDLY AC AND REFRIGERATORS**



ACTIVITIES

- MARKET ASSESSMENT
- NATIONAL COOLING STRATEGY
- FINANCIAL MECHANISM
- MODEL POLICIES AND CAPACITY BUILDING

RESULTS (2030)

- ELECTRICITY USE REDUCED BY OVER 163 GWH
 - 5.8% OF FUTURE NATIONAL ELECTRICITY USE
- ELECTRICITY SAVINGS - \$20 MILLION USD
- REDUCE CO2 BY 120 THOUSAND TONNES





THANK YOU