

MAURITIUS

National Adaptation Plan

08 September 2015

**NAP WORKSHOP, MADAGASCAR,
7-11 SEPTEMBER 2015**

Relevant Regulatory Framework

- National CC Adaptation Framework
- CC Bill under preparation (Jul 2012 –Dec 2015)
 - Draft CC Bill already formulated
 - Working session with State Law Office
 - Consolidation of legal framework
 - Setting up of a Dept of CC
 - Establishment of a CC Advisory Council
 - Setting up of a CC Committee

Institutional Arrangements

- CC Division set up in Mar 2010 under the Department of Environment
 - National CC Committee set up
 - CC Information set up
- National Disaster Risk Reduction and Management Centre set up in 2013

Key Components of ND Planning

- MID (2008-2014)
- Vision 2020 (Aug 2015) – Smart Cities
- National Development Strategy
- Development of Guidelines for Local Authorities wrt Adaptation to CC

Impacts of CC in Mauritius

- Temperature – Avg temp has risen from 0.74 to 1.1 Deg. Celcius. **Projected temp upto 2 deg. Celcius by 2061 – 2070**
- Rainfall –Decreasing trend in annual rainfall of 8 % over Mauritius since the 1950s. **Further reduction in amount of water by 13 % by 2050**
- Sea level rise – Acceleration in sea level rise: around 3.8 mm/yr (1998 & 2007) compared to local sea level rose by 2.1 mm/yr. **Conservative sea level rise projection is of order 49 cm by 2100.**
- Beach erosion- accentuating beach erosion with loss in beach area (about 18,500 m sq over the last 2 decades) and a number of coral bleaching. **50 % of beach loss by 2050.**
- Extreme events- increase in the frequency of extreme weather events – more frequent torrential rains resulting in flash floods. **11 deaths in Mar 2013**

CC Risks and Vulnerabilities

- The Govt of Mauritius has adopted a multi-pronged approach to address the impacts of CC and enhance the resilience of Mauritius. Several priority sectors such like Disaster Risk Reduction and Mgt, renewable energy, water, coastal zones, fisheries, tourism, public infrastructure, , health and agriculture have been targeted and actions are being taken at different levels to reduce our vulnerability and increase our resilience.

Projects / Programmes

- Africa Adaptation Programme (AAP), funded by the Govt of Japan, USD 3 Million – integrate and mainstream CC Adaptation into the Institutional Framework, Jan 2010 –Feb 2013
- Key outputs of AAP: Nat CC Adaptation Policy Framework; DRR Strategic Framework / Action Plan; Setting up of CC Legislative Framework

List of projects / Programmes

- CC Adaptation Measures:
 - DRR Strategy and Action Plan, risk maps in relation to inland flooding, landslide and coastal inundation – developed in Jan 2013
 - Nat CC Adaptation Policy Framework – Dec 2012
 - CC Info Centre – July 2013
 - TNA-Aug 2013
 - CC Adaptation Programme in the Coastal Zone of Mauritius – Adaptation Fund (USD 9.1 M) –Refuge Centre, EWS, Coastal Adaptation Works

CC Measures

- Guidelines for mainstreaming CC in the Building and Land Use Permit – planning tool
- Toolkit for CC Vulnerability Assessment and Identification of Adaptation Options for the Municipality of Vacoas – Phoenix has been developed-engage communities in risk mgt process
- CC Info , Education and Communication Strategy and Action Plan developed
- JICA project on capacity devt on CC measures (Jul 2014 –Jun 2015)
 - Sectoral Guidelines/policies on CC
 - Enhancement of Public Awareness

Adaptation Funds for CC projects

- AAP (2010 -2012) – USD 3 M
- General Budget for SD and GCCA –USD 4.08 M
- CC Adaptation in the Coastal Zone of Mauritius – USD 9.12 M
- Food Security Fund – USD 33 M
- Technical Coop with JICA:
 - Capacity Devt on Coastal Protection and Rehabilitation – (2012 -2015) USD 5.15 M
 - Landslide Mgt (2012 -2015) – USD 3.38
 - Enhancing the Observation, Forecasting and Warning capabilities of Mauritius(Meteo Services) (2014 -2016) – USD 0.98 M
 - Capacity Devt on CC measures (2014 – 2016) – USD 0.80 M
 - Improvement of the Meteorological Radar System (Grant Aid from JICA – (2013 -2015) – USD 10 M

Funds for other projects on Adaptation and Mitigation

- TNC (GEF, 2013 2016)– USD 500,000
- TNA (GEF, 2011 – 2013) – USD 120,000
- MID Fund (Yr 2009) – USD 3.57 M
- MID Fund (Yr 2012) – USD 6.14 M
- MID Fund (Yr 2013) – USD 9.7 M
- MID Action Plan (short term) USD 20 M

Monitoring and Evaluation Framework

- *National CC Adaptation Framework*

Relevant National Development Planning Process:

- *National Development Strategy*

Roadmap for NAP:

- *Not yet developed*

THANK YOU