



*Workshop of the Asia-Pacific Regional Group 'Unpacking  
(I)NDCs – identifying, prioritising, planning and implementing  
mitigation and adaptation actions'*

*July 26, 2016*

*Viet Nam*

**Establishing/ strengthening institutions and systems  
for (I)NDC implementation and review -Nepal**

**Ram Prasad Awasthi**

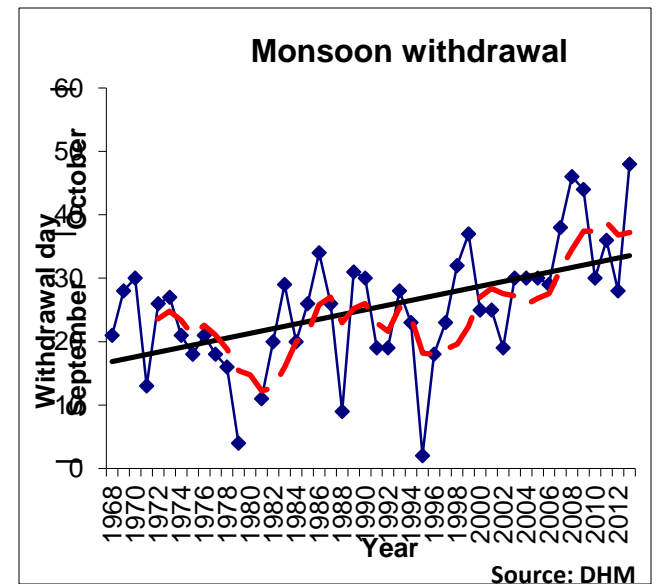
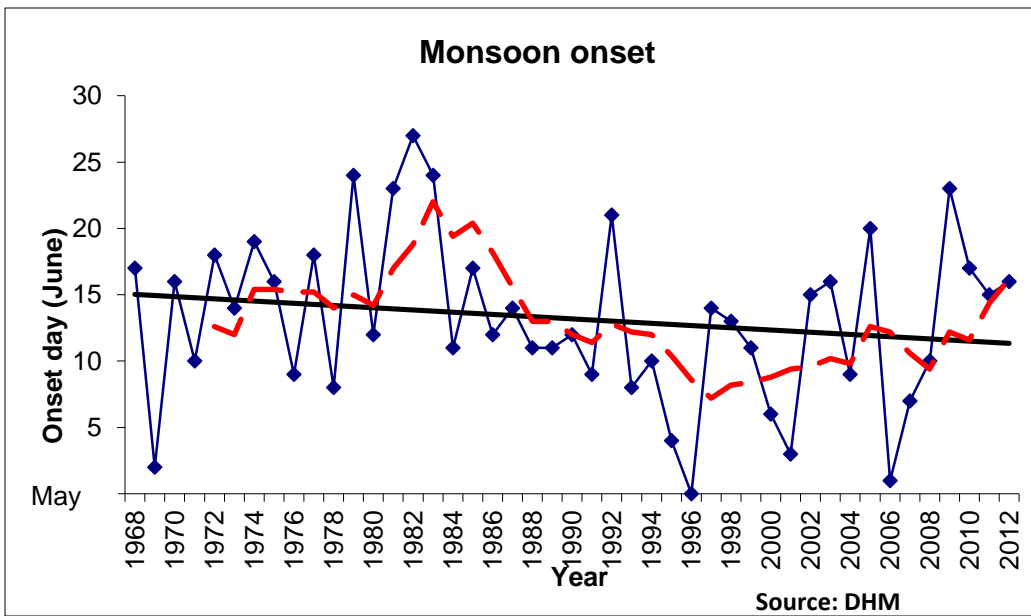
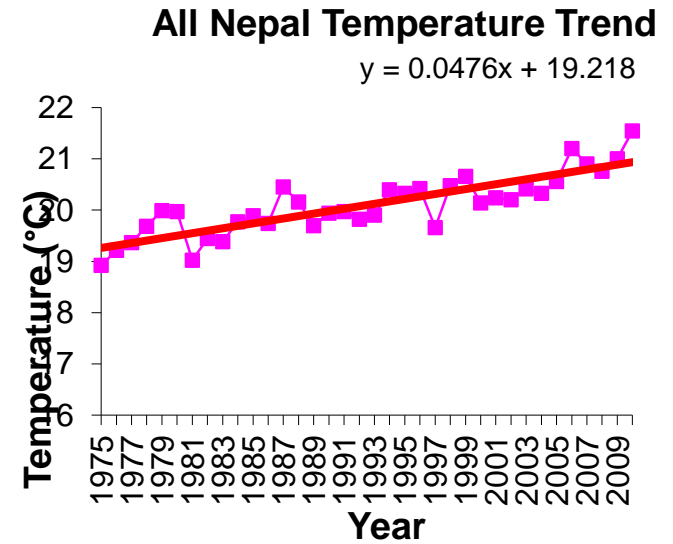
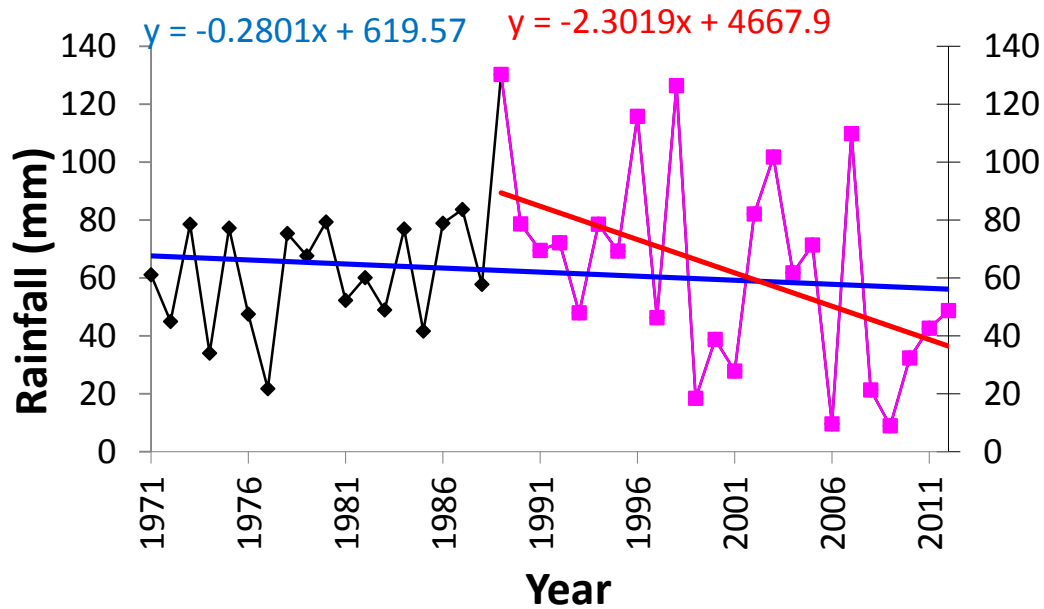
**Meteorologist**

**Ministry of Population and Environment  
Government of Nepal**

# Contents

- # Climate Change (CC) Status
- # Climate Change Authorized Institution
- # Government Initiative Toward CC
- # Existing Institutions and Coordination Mechanisms
- # NDC Implementation and Operationalization
- # Mitigation Actions
- # Conclusion

# CC Status-Nepal



# Authorized Institution for CC : Ministry of Population and Environment (MoPE), Government of Nepal

- **Formulation, Implementation, Monitoring and Evaluation of Climate Change,** Environment and Population Policy, Planning, Activities
- **Research and Study, Survey, Training on Climate Change** Environment and Population
- **Focal point for Environment, Climate Change and Population**
- Evolution and Review of Environment, **Climate Change** and Population related programs by government and nongovernment organization
- **Develop and Utilization of Human Resource for Climate Change,** Environment and Population
- Bilateral and Multilateral Agreement on Environment, **Climate Change** and Population
- **Research, Study on Weather, Climate & Water**
- Provide Meteorological & Hydrological Service
- **Climate Change & Climate Change Adaptation, Mitigation Activities**
- Air Pollution Control, Environmental Protection & Balance
- Promotion of Alternative Energy
- Environmental Monitoring and Set up of Environmental Standard
- Population Management, Population and Migration Policy, Plan and Program
- **Coordination with Environment, Climate, Climate Change** and Population related UN Agencies , international and other national organization

## **Government Initiatives towards CC**

### **Policies and Planning**

- **NAPA -2010**
- **Climate change policy 2011**
- **LAPA, 2011**
- **Climate Resilience Planning Framework- 2011**
- **National Energy Policy**
- **Forestry Sector Strategy (2016-2025)**
- **Nepal Biodiversity Strategy and Action Plan (2014-2020)**
- **Environment Friendly Vehicle and Transport Policy 2014**
- **National REDD Strategy**
- **Environment Friendly Local Governance Framework**
- **INDC-2016**
- **TNA**
- **Low Carbon Economic Development Strategy (LCEDS) ( Final Phase.)**
- **Gender Mainstreaming on Climate Change ( approval phase)**
- **National Adaptation Plan (NAP) is in process ( to address medium and long-term adaptation needs and reduce climate vulnerabilities)**

# Major Priorities

- Climate Change Adaptation & Mitigation
- Awareness Raising and Establishment of Early warning system for climate induced disasters
- **Community Based Climate Change Programs**
- Institutional Expansion and Strengthening, HR and capacity development
- Low Carbon Emission Economy ( Green Economy and Green Growth)
- Mainstreaming Climate Change in Development
- Climate Change Research Activities
- Climate, Cryosphere Monitoring, Disaster Risk Reduction & Management
- Mountain Climate Agenda
- Sectoral Climate Change Adaptation Plan ( Agriculture, Health, Forestry, Water, ... etc)
- Clean Development Mechanisms
- Promotion of low carbon emission alternative energies
- Climate Finance Management
- Implementation of NAPA, LAPA and INDC, SDGs and other agreements
- Knowledge/ Information Management and Technology Transfer



# Existing Institutions

## 1. **Climate Change Management Division, MoPE**

It contains: i) Climate Change Section II) CDM Section III) Adaptation and Sustainable Development Section iv) Climate Finance Section

**Human Resource:** Technical Personnel (Forest Officer-1, Soil Conservation Officer -1, Agriculture Economist – 1, Engineer-1, Meteorologist- 1 Ecologist-1 , Administrative Staffs-4)

2. **Department of Hydrology & Meteorology , DHM-** Responsible for the Research and Providing Service on Weather, Climate and Water (Hydrology , Meteorology, Glaciology ). Provide Technical Advice and Input on Climate Change

3. **Alternative Energy Promotion Centre, AEPC-** it has one Climate and Carbon Unit to assist for climate change negotiations, policy/strategy and CDM, leverage the carbon mitigation and climate change adaptation potential of existing and future programmes/technologies, and to institutionalize and mainstream climate change mitigation and adaptation in the RET sector.

4. **REDD Implementation Centre- Responsible for the implementation of REDD Activities**

5. **Environment & Climate Change Sections:** in and under the Line Ministries

## **Future Plan for the Expansion of Institution**

**Establishment of the Climate Change Research Centre**

# Coordination Mechanism

Climate Change  
Management  
Divisions in  
MoPE and RIC  
in MoFSC

Reporting, Guidance and  
Decisions

Climate Change  
Council

Chair: Rt. Hon. PM  
(8 expert members)

CCC

CCCC for SPCR/RIC

MCCICC

Steering Committees

Technical Committees

Climate  
Change  
Coordination  
Committee  
Chair: Hon.  
Minister for  
Environment

Coordination  
Mechanism

REDD Coordinating  
and Monitoring  
Committee  
Chair: Hon'ble  
Minister for Forests  
and SC

Project-specific Steering  
Committees  
Chair: Secretary

Multi-stakeholder  
Climate Change  
Initiative  
Coordination  
Committee  
Chair: Secretary



# INDC Implementation and Operationalization

## Requirements:

- i) Action Plan ( INDC & PA )- in plan/process for Preparation
- ii) Capacity Building for the Respective institutions /HRs
- iii) Financial Availability to respective sectors
- iv) Strong Sectoral Cooperation and Coordination
- v) Engagement of Private Sectors
- vi) Evaluation and Monitoring

## Operationalization: Institutions responsible for the operationalization

- Ministry of Population and Environment
- Ministry of Federal Affairs and Local Development
- Ministry of Forest and Soil Conservation
- Ministry of Agriculture Development
- Ministry of Physical Infrastructure and Transportation
- National Planning Commission
- Ministry of Energy
- Ministry of Irrigation
- National Planning Commission (NPC)
- Alternative Energy Promotion Centre (AEPC)
- Department of Hydrology & Meteorology
- I/NGOs, Private Sectors and Civil Organizations

MoPE arranging stakeholders consultation meeting with the line ministries, other departments and private sectors in regular basis.

# Mitigation Actions



**1. Clean Energy Development Pathways-**  
i) 4,000 MW of hydroelectricity by 2020 and 12,000 MW by 2030; 2,100 MW of solar energy by 2030 Additional 220 MW from bio-energy by 2030; Additional 50 MW from small and micro hydropower plants; ncrease the share of biogas up to 10% as energy for cooking in rural areas; and Equip every rural household with smokeless (improved) cooking stoves (ICS) by 2030.

**2.Afforestation and Enhancing Carbon Sequestration-**

**3. Moving Towards Environmentally Sustainable Transport System**

**4. Promoting Climate Friendly Practices in Agriculture**

**5. Waste Management and Air Pollution Control**

**6. Building Codes; at least two trees in home garden, and rainwater harvesting and solar light in urban homes.**

# Mitigation Actions

contd.....

- 1) Nepal's Low Carbon Economic Development Strategy that will envision country's future plan to promote economic development through low carbon emission with particular focus on: (i) energy; (ii) agriculture and livestock; (iii) forests; (iv) industry; (v) human settlements and wastes; (vi) transport; and vii) commercial sectors
- 2) By 2050, Nepal will achieve 80% electrification through renewable energy sources having appropriate energy mix. Nepal will also reduce its dependency on fossil fuels by 50%
- 3) **electrical (hydro-powered) rail network by 2040 to support mass transportation of goods and public commuting.**

# Conclusion

- Nepal will make efforts to implement its INDC and contribute to the global efforts of reducing GHGs emissions.
- Nepal requires bilateral and multilateral grant support in the priority areas to meet both qualitative and quantitative targets as mentioned

*References: Different Published Policy, Plans and Booklets from the Department of Hydrology and Meteorology (DHM) and the Ministry of Population and Environment( MoPE)*





***THANK YOU !!***