



# Monitoring and Reporting Climate Change Adaptation

23-24<sup>th</sup> June 2014, Montego Bay, Jamaica

**NEPAL STRATEGIC PROGRAM FOR CLIMATE  
RESILIENCE (SPCR) & CC PROGRAM (CCP)**

***Er. Govinda Prasad Kharel***

***Under Secretary / National Project Manager (SPCR3)***

***Government of Nepal***

***Ministry of Science, Technology and Environment***



# CLIMATE VULNERABILITIES





# Climate Vulnerabilities







# Climate related and Policies in Nepal



National  
Comms.  
To  
UNFCCC

CC Policy

NAPA

LAPA

Enviromen  
tal  
Protection  
Council

Climate  
Change  
Council



# Climate Change Program (CCP) SPCR

CCP 1	Building climate resilient watersheds in mountainous ecoregions (SPCR 1)	DSCWM, & MoSTE
CCP 2	Building resilience in climate related hazards (SPCR 2) (GLOF Monitoring/EWS)	DHM & MoAD
CCP 3	Mainstreaming climate change risk management in development (SPCR 3)	MoSTE
CCP 4	Building climate resilient communities through private sector participation (SPCR4)	IFC
CCP 7	Nepal Climate Change Support Program	MOFALD, MoSTE

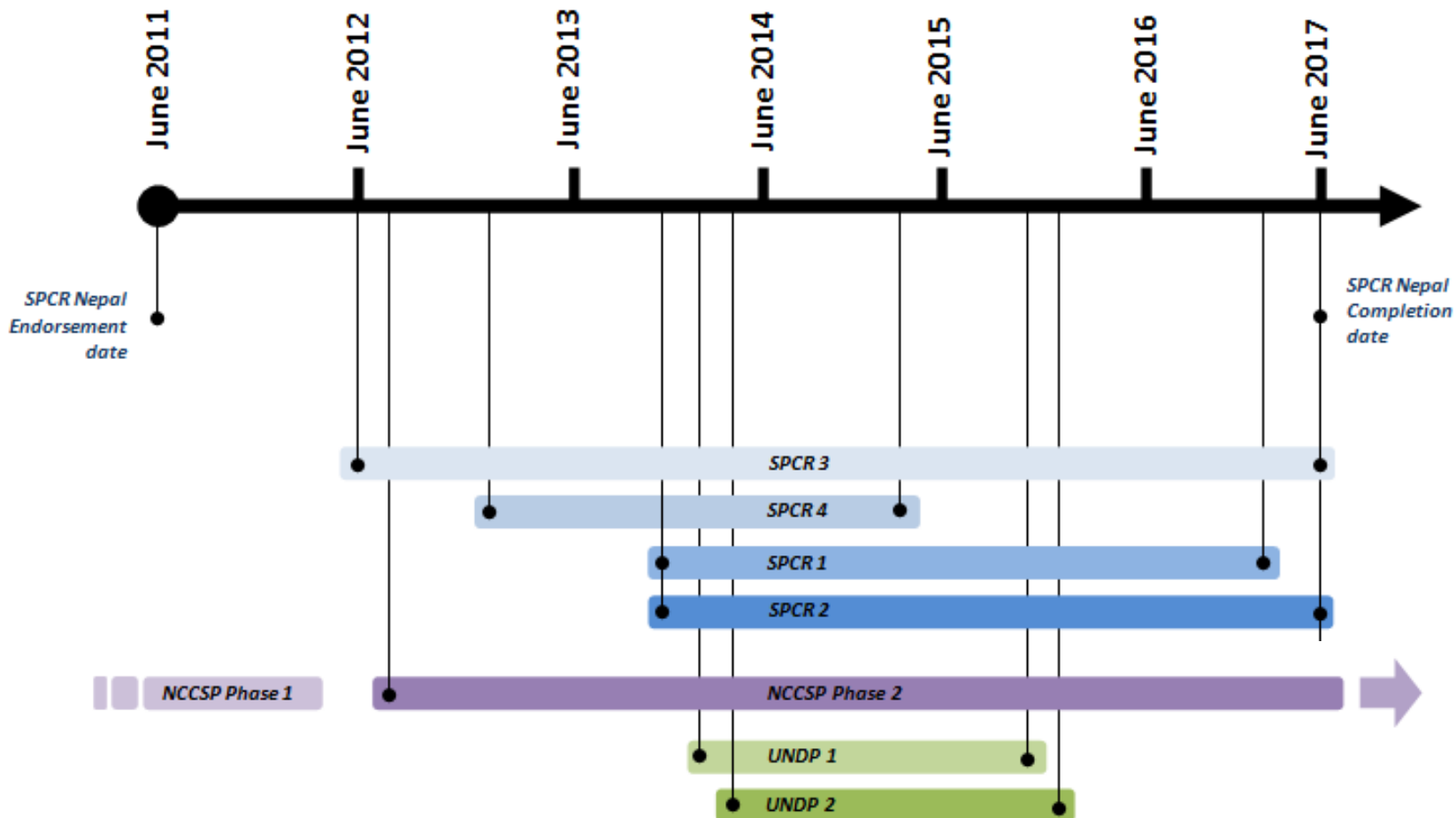


# PPCR Focuses On NAPA Thematic Areas

- 1 Integrated Watershed Management (AWFB-CBA)
- 2 Enhanced Agricultural Services (Adaptive Capacity)
- 3 Community Based DRM
- 4 Water Hazard DRR (GLOF Monitoring/EWS)
- 5 Forest Management for Supporting Climate Led Adaptation Innovations
- 6 Adapting to Climate Challenges in Public Health
- 7 Ecosystem Management for Climate Adaptation
- 8 Water and Clean Energy Resource Management
- 9 Promoting Climate Smart Urban Development



# Climate Change Program (CCP) Implementation







# SPCR 1: Building Climate Resilient Watersheds in Mountainous Ecoregions

## OBJECTIVE

- Will improve the climate resilience of 45,000 highly vulnerable households in watersheds of Western Nepal,
- Improving domestic and irrigation water supply through integrated watershed approaches to water resources.



## PROGRESS

- ADB Board of Directors approved the project on 23 September 2013.
- Government of Nepal approved the project on 9 Jan 2014
- Project Management Unit established in Dadeldhura on 18 Feb 2014
- Project Steering Committee & TWG established
- Mid-level technicians (MLT) recruitment completed- 10 MLTs appointed
- ADB selected the international consultant
- ADB Consultant preparing Project's Operational Guideline





# SPCR 2: Building Resilience in Climate Related Hazards

## OBJECTIVE

- Will Improve the resilience of rural communities through the modernisation of real time weather, flood and agro-met forecasting.
  1. Improved **weather & flood forecasting** for vulnerable communities in West Rapti & Koshi river basins
  2. Developing **agricultural management information system (AMIS)** to help farmers

## PROGRESS

- Project Management Unit (PMU) was formed headed by Director General of DHM
- Two Pilots basins selected for implementation (West Rapti and Koshi Basins)





# SPCR 3 – Mainstreaming Climate Change Risk in Development

## OBJECTIVE

- CC Design, Resilient Design, Feedbacks and input to Policy Level People
- All Sector/Departments follow the CC Risk Mgmt in development



## PROGRESS

- made effective on 1 March 2012 and the **lead implementation consultants were mobilized in June 2012.**
- formed a **cross-sector core group of nine sector ministries / departments**
- collaboratively developed a **methodology for sector specific baseline assessment and vulnerability assessment and adaptation planning.**
- **32 of 56 baseline assessment** reports are final
- 52 VA & AP reports to be completed (nine sectors in eight case study districts), 7 are finalized and the remaining reports are scheduled for completion by September 2014.
- Preparation of **3 districts climate threat profiles** has been completed





# SPCR 3 – Mainstreaming Climate Change Risk in Development

## PROGRESS

- Promotional material and a Nepal PPCR web site have been developed.
- Established a Climate Change Program Coordination Committee (CCPCC)
- The development of the results management framework



# SPCR 4 - Building Climate Resilient Communities through Private Sector Participation

IFC purchased equity share of some of Industries

Sugar Industry

Food Industry

Animal Feed Industry

Hydropower Industry

IFC has planning to provide  
CC adaptation training to  
farmers

Need to have close  
consultations





# CC Program Coordination Committee Reporting

## GOVERNMENT REPORTING

## DEVELOPMENT PARTNER REPORTING

- **EPC/CCC**
- **MOSTE**
- **SPCR**
- **Steering Committee**

- **DFID**
- **IFC**
- **UNDP**
- **ADB**
- **WorldBank**
- **CIF**

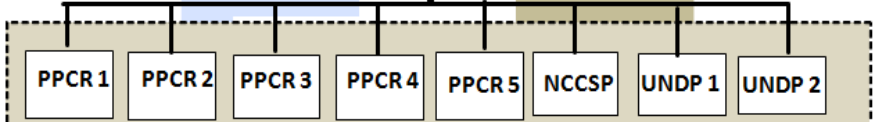
**Climate Change Program Coordination Committee (CCPCC)**  
Joint secretary (Convener)  
*project NPDs, Project Team Leaders, NPC, MOF*

**CCPCC TWG**  
Joint-Secretary (Convener), *project NPMs, Development partner representatives and relevant consultants*

**Focus Groups**  
(Data, M&E, Knowledge)  
National Project Manager (Convener), *project NPMs, & relevant consultants/technical specialists*

- **Project-level steering committee**

- **Project-level steering committee**





# Objectives of the CCP

**Program  
coordination**

**Results  
management**

**Data sharing**







# CCP 5 - Ecosystem's based adaptation (EbA) in mountain ecosystems of Nepal

## OBJECTIVE

- Manage ecosystems for a continued supply of healthy and sustainable ecosystem goods and services, which will enable communities and ecosystems to be resilient and to adapt to climate change.

## PROGRESS

Community based EbA interventions initiated from 2013  
ecosystem restoration, forest mgmt  
water conservation, land rehabilitation  
rangeland, tourism through biodiversity conservation  
capacity enhancement of government agencies



# CCP 6 - Community-based flood and GLOF risk reduction programme for Glacial lake

## OBJECTIVE

1. Risks of human and material losses from Glacial Lake Outburst Flooding (GLOF) events from Imja Lake reduction
2. Human and material losses from recurrent flooding events in 4 flood-prone districts of the



## PROGRESS – GLOF DRR

- Central and local level Inception Workshops
- Baseline Studies, GLOF Scientific Data, Vulnerability Assessment and Community Based Early Warning System (CBEWS), local constraints and needs assessment conducted
- Detailed technical studies on Sediment Control and Flood Proofing Drainage System undertaken in (Mahottari, Udaypur, Saptari and Siraha)
- Based on the findings of these reports, the project implementation will gain momentum.



# CCP 7 – National Climate Change Support Program

## OBJECTIVE

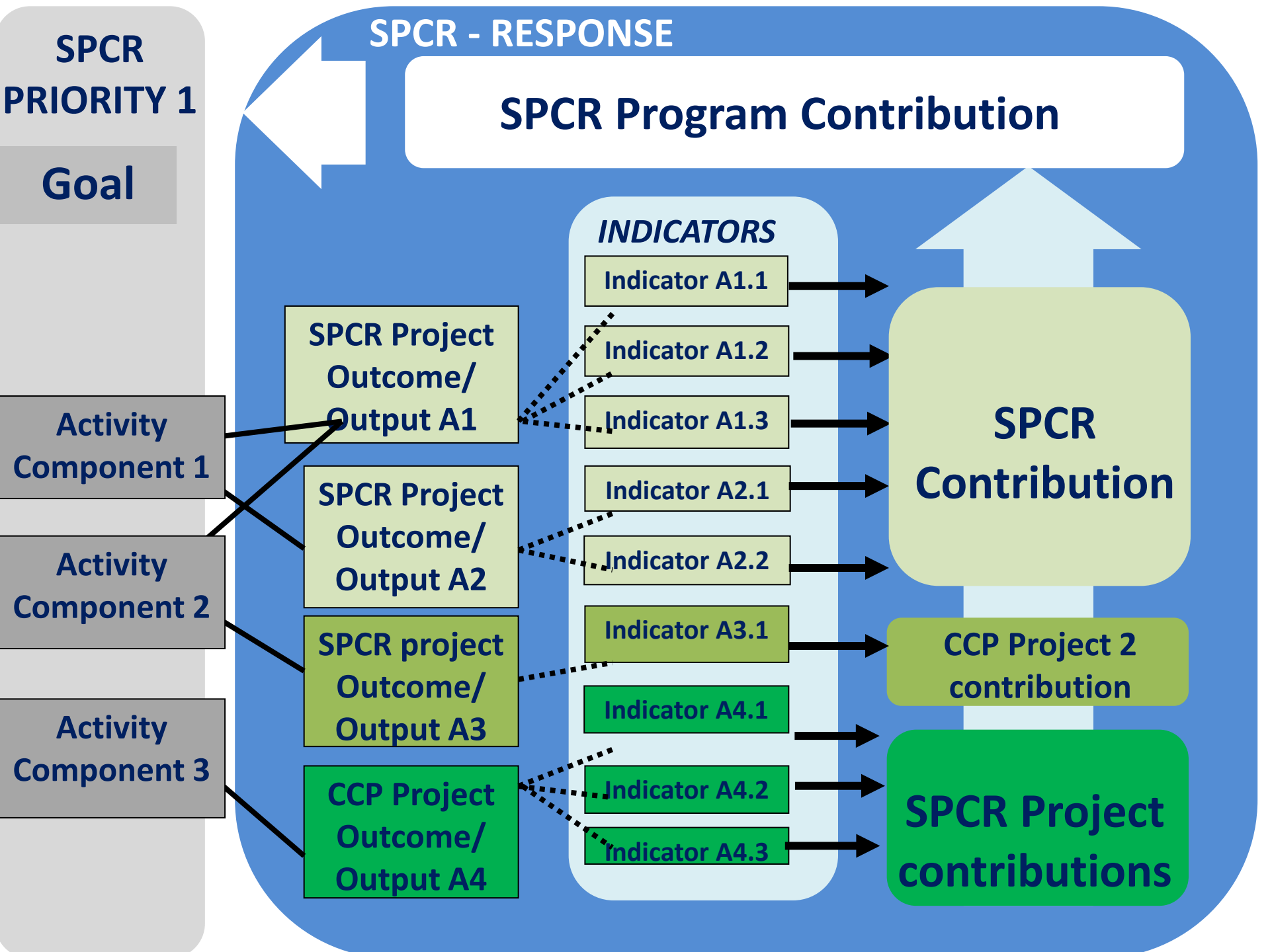
- Enhance NGOs, CBOs, private sector and local communities to implement CC policy, NAPA, LAPA
- Implement adaptation actions to increase the resilience of climate vulnerable poor at regional, district and village level

## PROGRESS

LAPA implementation in 69 villages of 14 Districts at VDC and DDC level

CC adaptation activities are being integrated and mainstreamed in local planning processes to ensure climate resilient development in all sector







# Program/Institutional Level Indicators

No.	Indicator	Baseline required
1	Degree of integration of climate change in national, including sector, planning	Yes
2	Evidence of strengthened government capacity and coordination mechanism to mainstream climate resilience	Yes
3	Quality and extent to which climate responsive instruments/investment models are developed and tested	No
4	Extent to which vulnerable households, communities, businesses and public sector services use improved CCP supported tools, instruments, strategies and activities to respond to climate variability and climate change	Expected results only
5	Number of people supported by the CCP to cope with the effects of climate change	Expected results only



# Indicator baselines at sector & program level

## Nepal Climate Change Program (CCP) Baseline and Expected Results



**INDICATOR 1**  
Degree of integration of climate change in national, including sector, planning

**INDICATOR 2**  
Evidence of strengthened government capacity and coordination mechanism to mainstream climate resilience

**INDICATOR 3**  
Quality and extent to which climate responsive instruments/investment models are developed & tested

**INDICATOR 4**  
Extent to which vulnerable households, communities, businesses and public sector services use improved CCP supported tools, instruments, strategies and activities to respond to climate variability & climate change

**INDICATOR 5**  
Number of people supported by the CCP to cope with the effects of climate change

Indicator	Baseline	Expected Results
INDICATOR 1		
INDICATOR 2		
INDICATOR 3		
INDICATOR 4		
INDICATOR 5		

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INDICATOR 1		
INDICATOR 2		
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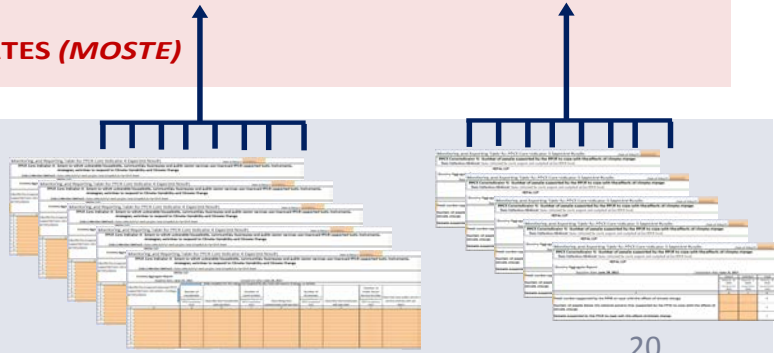
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INDICATOR 5		

### CCP PROGRAM LEVEL INDICATOR TEMPLATES (MOSTE)



SECTOR LEVEL INDICATOR TEMPLATES (Government sectors)



PROJECT LEVEL INDICATOR TEMPLATES (Develop. partners)





# Project Implementation Experiences

- Stakeholder Engagement (MDB/Fl, IC, Govt.)
- Country Ownership, Country Led with commitment
- Institutional and Inter-Governmental Coordination
- Integration of preparation and Implementation
- Simplified and straightforward program/projects
- Responsive, Flexible, Inclusive and Bottom up Approach
- Ensure Nationally Driven Program
- Allow Adequate time and Resources



# Constraints

- **Lacking of Coordination among Stakeholders (MDB/FC, IC, Govt.)**
- **Information gap**
- **Incompetent Intl. Consultant selection**
- **Intl. Consultant in confusion w/o having CC expertise**

**Need to have close coordination, information, Govt. consent/approval, integration, frequent monitoring**



**Comments**  
**Suggestions**  
**Questions Pls.**



**Thank You**