

# Participatory Monitoring in Nepal to Enhance Sustainability

**Mr. Chandra Bdr. KC**

Regional Director,

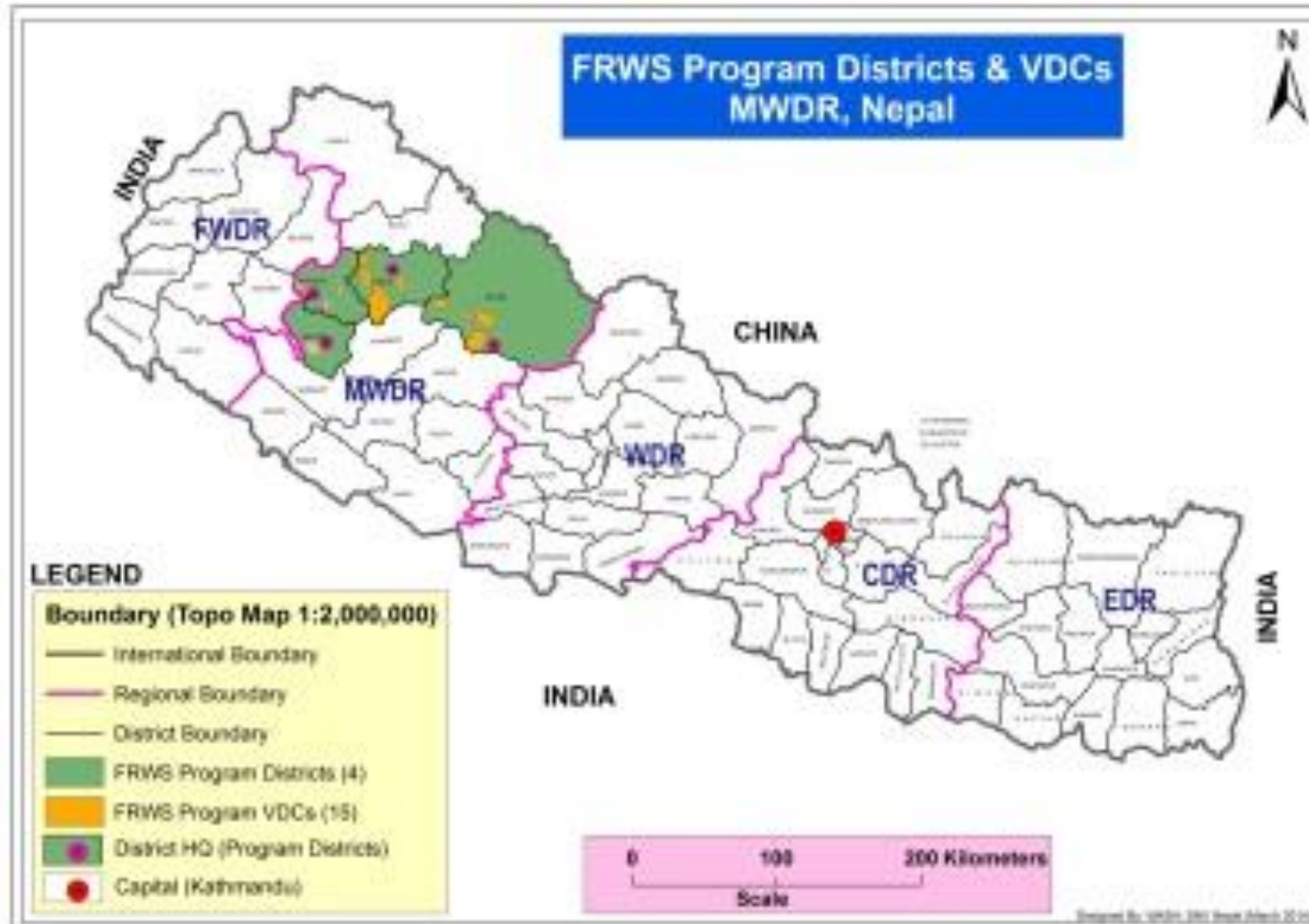
Regional Monitoring Supervision Office (WS&S)

Mid-Western Development Region, Nepal



# Functionality of Rural Water Supply Services

## Dailekh, Kalikot, Jumla, Dolpa









# Water User Committees











# Participatory monitoring

## Objectives:

- 1) **Scheme level:** Mobilise and strengthen water user committees to provide better water supply services
- 2) **District level:** Enable planning and investment to achieve functional water supply services for the district as a whole (functionality strategy)

To:  
Water Supply Monitoring and Regulation Unit  
Water Supply and Sanitation (Sub-) Division Office  
District name: \_\_\_\_\_

**ANNUAL SELF-ASSESSMENT OF  
WATER SUPPLY SCHEME  
BY SERVICE PROVIDER**  
(For schemes less than 50 taps)

*(to be filled by Water Supply Monitoring and Regulation Unit):*

Scheme code:        \_\_\_\_\_

Name of the scheme: \_\_\_\_\_

Contact Address: VDC/Municipality: \_\_\_\_\_       Ward No. \_\_\_\_

                                  Village: \_\_\_\_\_       Contact phone: \_\_\_\_\_

**Name of Service Provider:** \_\_\_\_\_

**Service area of the scheme:**

<u>VDC/Municipality Name</u>	<u>Ward No.</u>	<u>Settlement Name</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Signature of**  
Completed

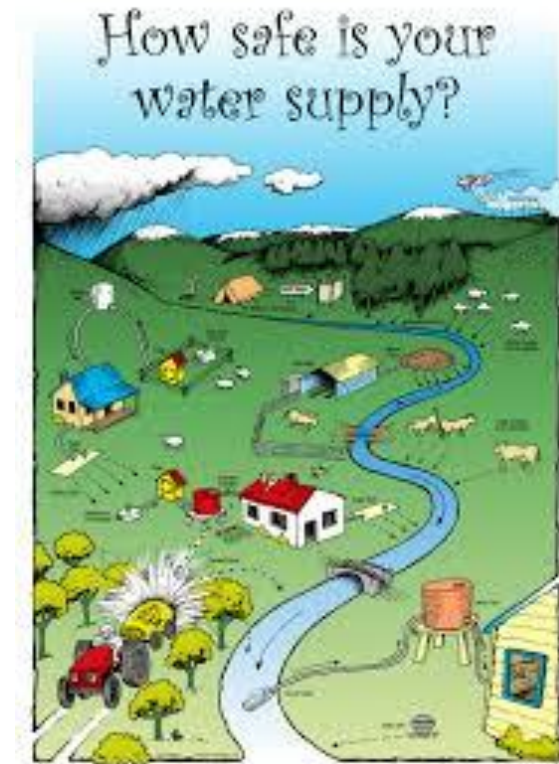
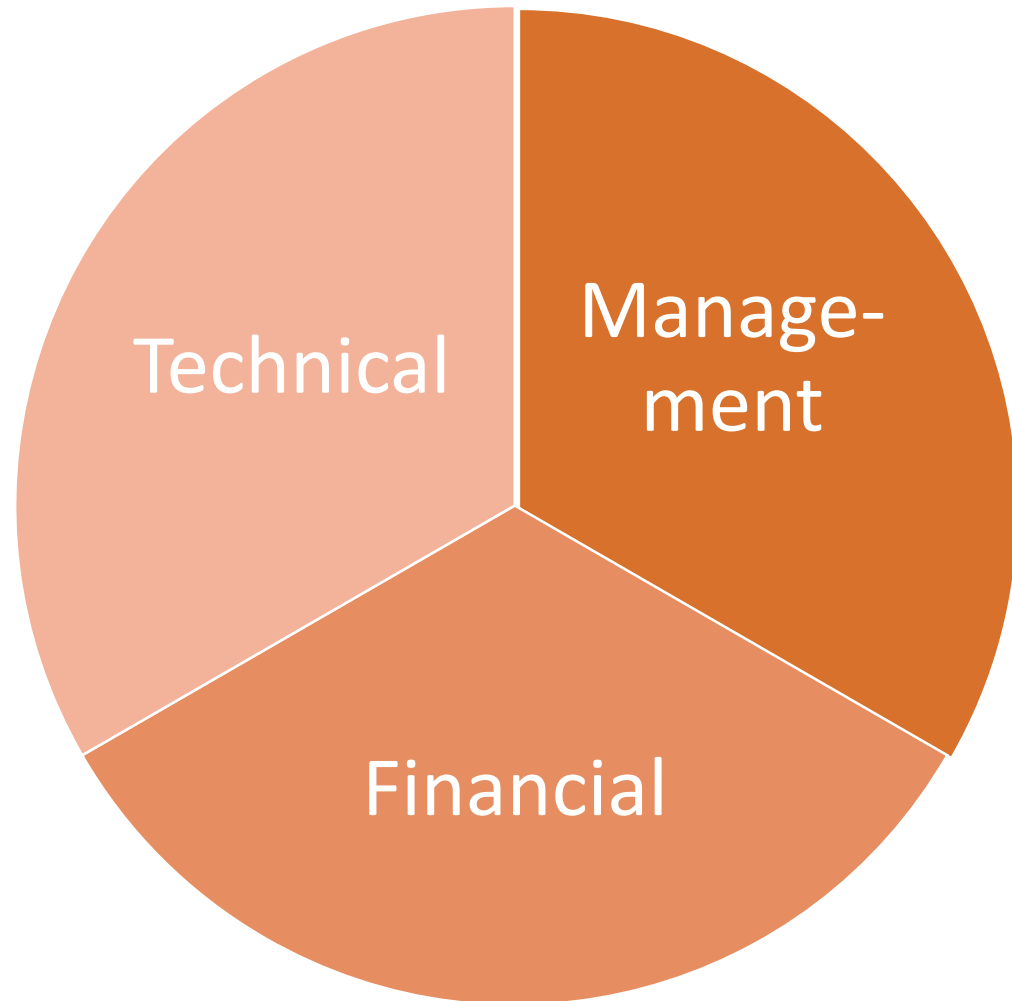
\_\_\_\_\_  
President, Service  
Date:  
Stamp:

\_\_\_\_\_  
Quality Chairperson





# 1. Scheme level: Water supply service assessment





Water supply scheme  
service improvement

**Resources needed  
(internal and external):**

- **Financial**
- **Material**
- **Human**
- **Technical**

## 2. District level: WSS assessment data for planning

### Functionality Indicators

- Service level

### Sustainability Indicators

- Factors impacting sustained water supply services



<b>No.</b>	<b>Functionality indicator (5 proxy indicators)</b>	<b>Proxy for QQAR (Quality, Quantity, Accessibility, Reliability)</b>
1	% Tap functioning	Indicator for walking time <b>(A)</b>
2	No. of average HH per working tap	Indicator for waiting time <b>(A)</b>
3	Time to fill 10 litre water in a working tap	Indicator for quantity <b>(Q)</b> and filling time <b>(A)</b> of water
4	Water available, in months per year, in working tap	Indicator for reliability <b>(R)</b> of water services
5	Perception on Quality of water in working taps	Indicator for quality <b>(Q)</b> of water

**5 Functionality Indicators →  
District's water supply schemes service status**

# Sustainability Indicators:

## 1. Correlation of variables with functionality status

Defining correlations:

strong	>0.3
moderate	>0.2
weak	>0.1

	Dolpa		Kalikot		Jumla		Dailekh	
	N	r	N	r	N	r	N	r
<b>Functionality quintile</b>	82	<b>1.000</b>	334	<b>1.000</b>	266	<b>1.000</b>	740	<b>1.000</b>
5.3.1SCORE_WUC_EXIST	81	0.404	314	0.195	19			
6.3SCORE_FEMALE_WUC	79	0.205	308	0.182	249	-0.041	714	0.050
6.12SCORE_CONSERVATION_SOURCE	81	0.168	310	0.172	266	0.024	711	0.051
5.3.2SCORE_ACTIVE_WUC	77	0.263	303	0.166	265	0.026	729	-0.009
7.1SCORE_BANK_AC_EIXST_	82	0.176	303	0.164	258	0.011	738	0.042
6.4SCORE_DALITJANAJATI_WUC	79	0.216	303	0.117	260	-0.016		
7.2SCORE_AMOUNT_IN_BANK_OR_INVESTMENT	78	-0.004	291	0.106	258	-0.073	725	0.081
6.7data_ACTIVETRAINEDVMW	82	-0.028	333	0.063	266	0.016		
6.9SCORE_PUBLIC_AUDIT	82	-0.249	304	0.062	11		732	-0.031
6.2SCORE_LINK_DWSS	79	0.138	307	0.056	257	-0.102	736	0.022
6.1SCORE_WUC_REGISTRATION	78	0.282	306	0.056	265	0.037	733	0.045
6.12.2FUND_AMOUNT	82	-0.136	334	0.052	265	-0.042	739	-0.039
6.10SCORE_VMW_PAY_STANDARD	80	0.150	303	0.048	261	-0.120		
6.8data_TRAINEDACTIVEVMW_pertap	82	0.001	334	0.047	266	0.036		
7.5SCORE_VMW_WAGERATE	82	0.101	334	-0.009				
6.6SCORE_MASS_MEETING	82	0.231	334	-0.019				
7.2.1SCORE_FUND_AMOUNT	82	-0.139	334	-0.060			739	-0.039
7.3SCORE_RATIO_TARIFF_AND_RM_COST	82	0.215	334	-0.061				
6.6.1SCORE_COORDINATION_ORG_	82	-0.050	334	-0.071			738	0.005
7.6SCORE_VOLUME_based_TARIFF	82	0.243	334	-0.074				
7.4SCORE_TARIFF_COLLECTION_RATE	82	0.174	334	-0.084				
6.12.3SCORE_STATUS_EQUIP	82	0.186	334	-0.109			736	0.089
6.6.2SCORE_TRAINED_MANPOWER_FOR_OM	82	0.096	334	-0.133	265	-0.046	737	0.077

Indicator ID	Indicators correlation to sustainability
PRI-01	<b>WUSC Exist at present</b>
PRI-02	<b>WUSC is active</b> in operation, repairs and providing water services to users
PRI-03	WUSC membership complies with GoN requirement on <b>female representation</b>
PRI-04	WUSC membership reflects % <b>distribution of Dalit and Janajati</b>
PRI-05	<b>Water source conservation</b> and protection of hazard areas
PRI-06	Existence of <b>Bank Account of WUSC</b>



# Sustainability Indicators:

## 2. Good governance principles



**Indicator  
ID**

**Governance indicators for sustainability**

PRI-07      Registration of WUSC to DWRC

PRI-08      AGM of WUSC

PRI-09      Public Audit of WUSC

PRI-10      Registration of WUSC to FEDWASUN



## 10 Sustainability indicators →

1. Prioritisation for investment of resources for district wide planning.
2. Capacity building needs





### Kalikot District

### WASH MAP







Water User Committee  
scheme self-assessment  
and planning- annual



Support received  
from water supply  
office

**No submission, no support**









# Challenges?

- Complete institutionalization?
- Can ICT make process more efficient?



