

# Workshop on review of Achievements and Way forward

## WASMIP II

(2016-2022)

Kabindra B. Karki

Aug 24, 2021

खानेपानी तथा ढल व्यवस्थापन विभाग  
विभाग भवन, पानीपोखरी, महाराजगन्ज, काठमाडौं, नेपाल

राष्ट्रिय खानेपानी तथा सरसफाइ तालिम केन्द्र  
तालिम केन्द्र, नगरकोट, भक्तपुर, नेपाल



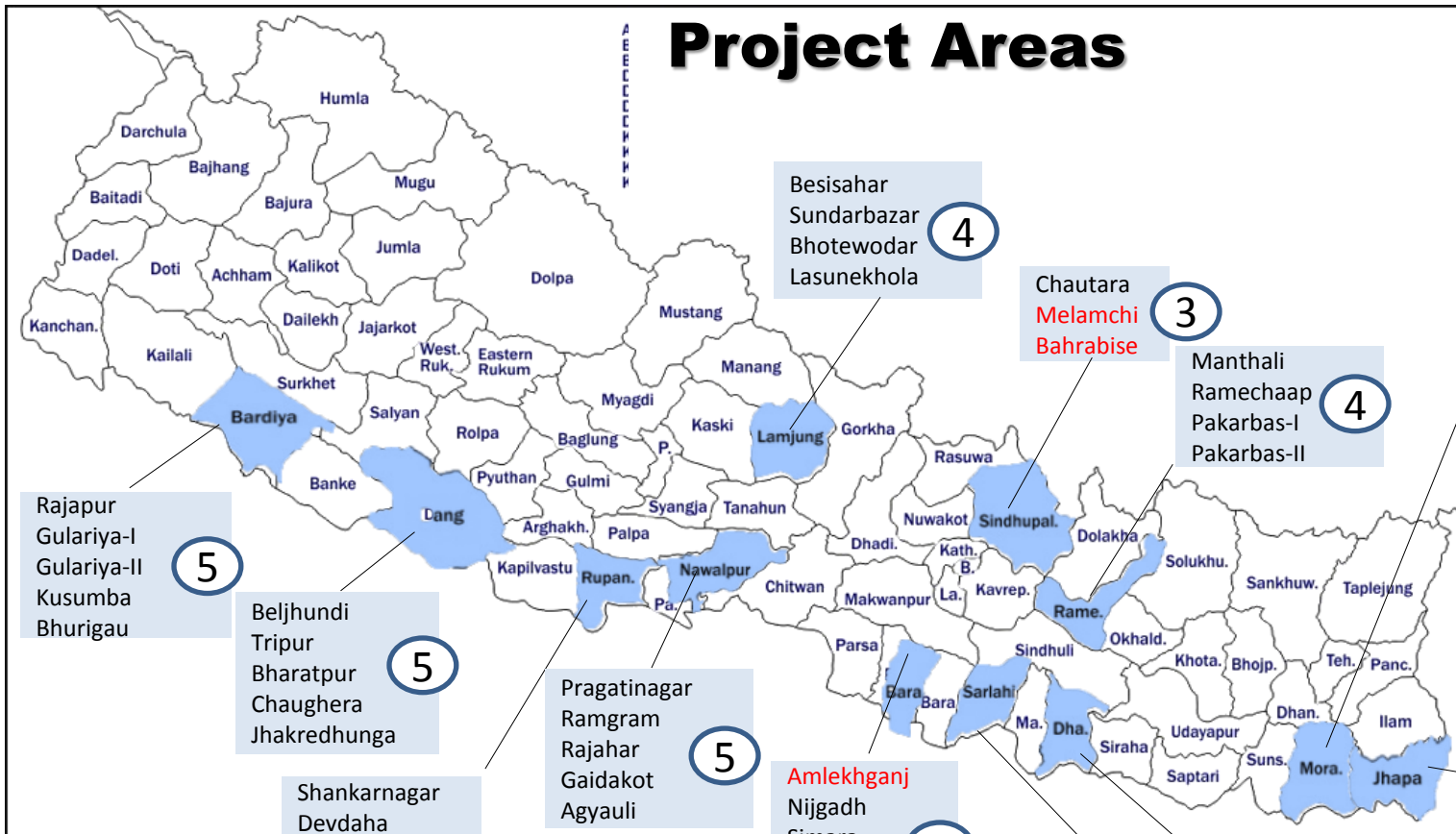
WASMIP



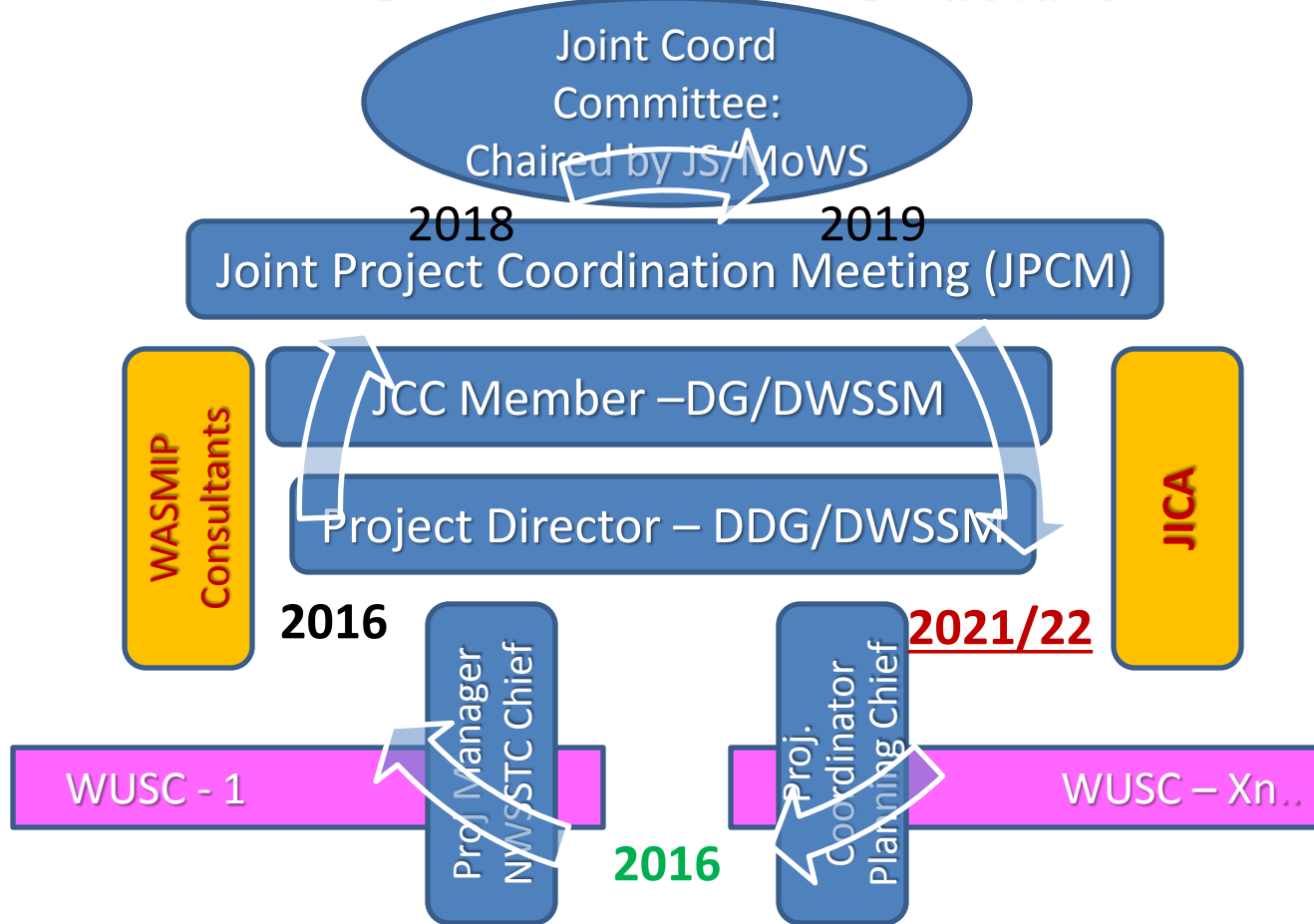
For providing safe and quality drinking water to people

# Project Areas

**Total: 68 WUSC**



# WASMIP II project Structure



# Background

- ❖ JICA had supported for Capacity Development of Water Utilities in Semi-urban Areas of Jhapa & Morang Districts (WASMIP I).
- ❖ Two models were devised during WASMIP I:
  - A. Management Model (for Small and medium sized water supply systems), under which WUSCs provide water supply services to people.
  - B. Support Model (for Small and medium sized water supply systems), under which DWSS conducts technical support for WUSCs.
- ❖ DWSSM decided to continue the WASMIP approach in other WUSCs through WASMIP II under JICA support:
  - 68 WUSCs were identified .
  - Among the 68 WUSCs so identified, only 4 are out of operation

# Management Model: Introduction

- ❖ MM simply sets ideal status of water supply services in the future by WUSC called **target setting**.
- ❖ Designs the way to achieve such status called **business plan**.
- ❖ WUSC can achieve target with strengthening sufficient institutional and functional, and financial **capability**.
- ❖ DWSS need to provide technical and financial **support**.
- ❖ WUSC can implement the business plan and **achieve** that ideal status.

# Management Model: Structure



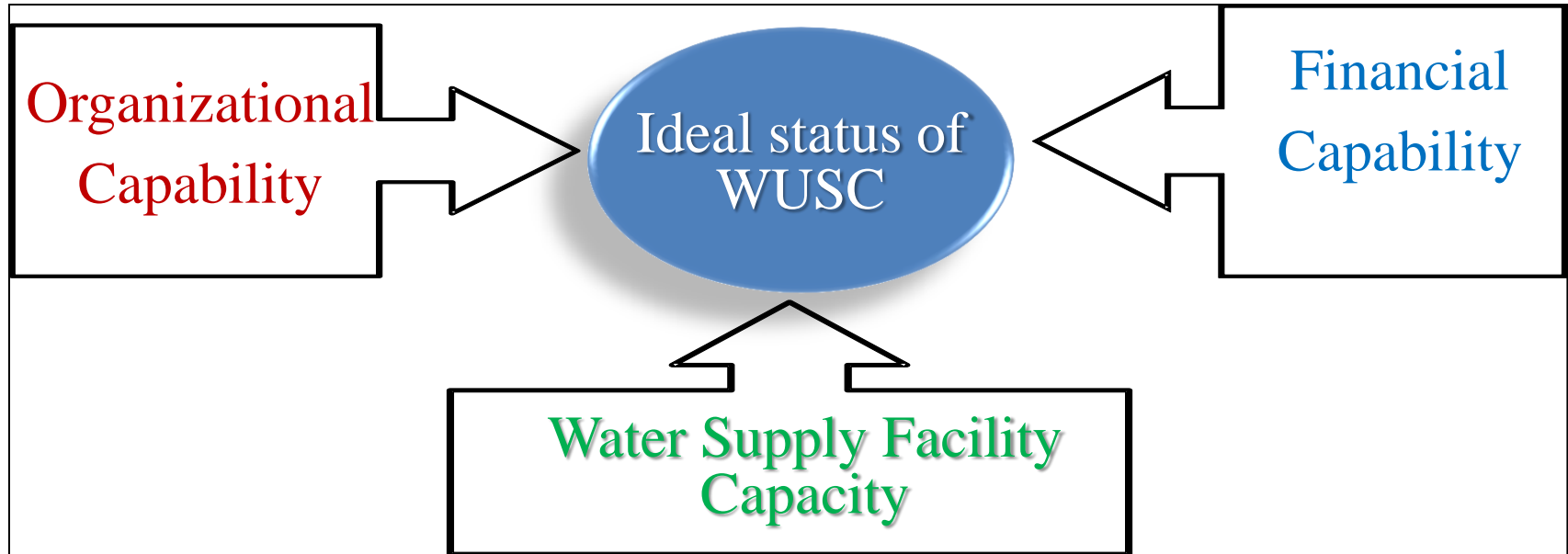
Considers ideal status of WUSC that can be achieved and contribute to improving life standard of the society.

Determines ideal status, for sustainable management of water supply system considering national policy and local environment

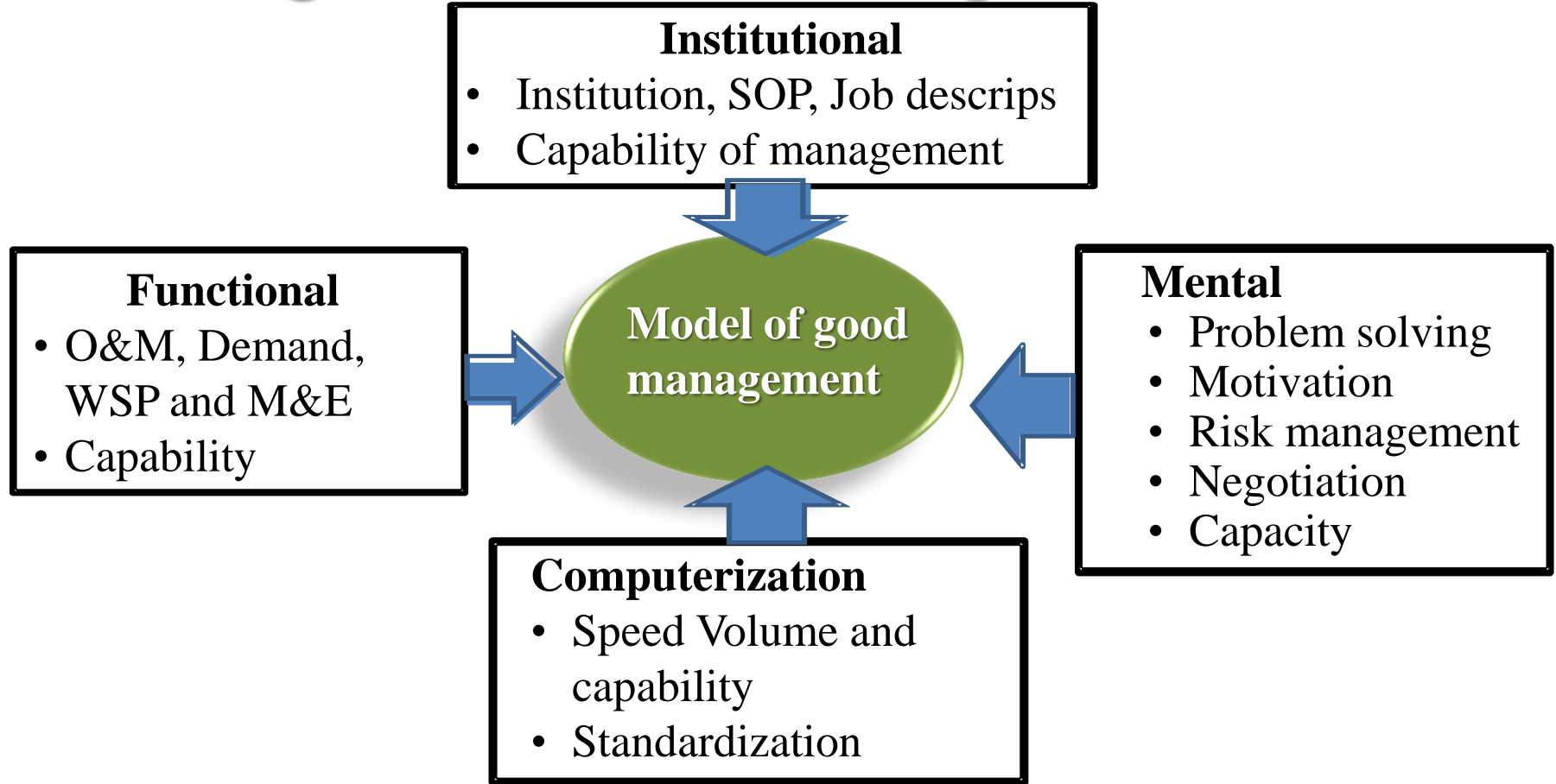
Considers capacity at facility, organizational and financial level

Business plan decides framework of budget, annual plan, project and special tasks

# Management Model: Required capacity



# Organizational management:





# Focus on Monitoring and Evaluation

- ❖ Keep watching achievements by monthly and annual report.
- ❖ Joint monitoring and evaluation to WUSC regarding M&E performance indicators, target and achievement is recommendable
- ❖ Use Indicators for monitoring
- ❖ Set target for evaluations
- ❖ Make monitoring schedules

# Documentation:

- ❖ Various documents needed for systematic operations of WS system under Management Model have been prepared:
  - ❖ Guideline- Training Implementation Guideline
  - ❖ Manual- Manual for Scheme Rehabilitation Works
  - ❖ Business plan- Guideline modules
  - ❖ Operational manual- Guideline modules
  - ❖ SOPs:
    - ❖ Intake facilities
    - ❖ Distribution facilities
    - ❖ HH Connection and Water meter management
    - ❖ WQ/treatment facilities
    - ❖ WQ management
    - ❖ Repair & Maintenance works
    - ❖ Reporting of monitoring results
    - ❖ Analysis of supply situation

# Coordination & conference:

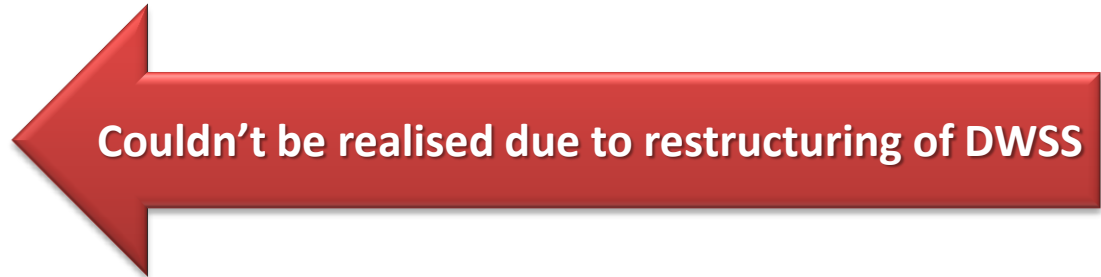
Purpose of such conference are:

- ❖ To share project operation and management experiences among WUSCs
- ❖ To build the system of mutual support and cooperation among WUSCs
- ❖ To learn from experiences and best practices of others
- ❖ Consider as process to better management
- ❖ Open amphitheatre built in NWSSTC



# Support model: Structure

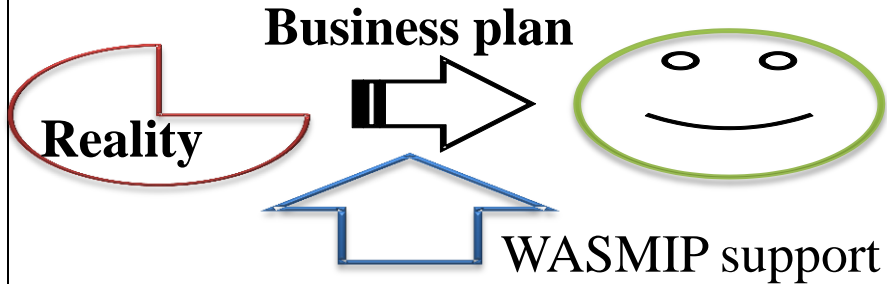
- ❖ **WUSC support model:** entails how DWSSM can help realize dreams of WUSC through their business planning.
- ❖ **Two mechanisms of support from DWSSM:**
  1. Basic Hardware support to keep system functional
  2. Training and learning among WUSCs
- ❖ **Prescribed M&E mechanism:**
  - ❖ MIT team
  - ❖ MET team
  - ❖ MAT team



# Support model: WUSC capacity

- ❖ WASMIP II emphasizes on:
- ❖ Sufficient functionality of WUSC in policy/decision making and governance for its operation
- ❖ Sufficient capacity of WUSC for carrying out sustained system operation.
- ❖ Sufficient financial capacity of WUSC to operate, maintain and sustain water supply services for longer period
- ❖ Water users understand importance of safe water, good hygiene practice and accordingly follow in daily life.

# Support model: Support Areas

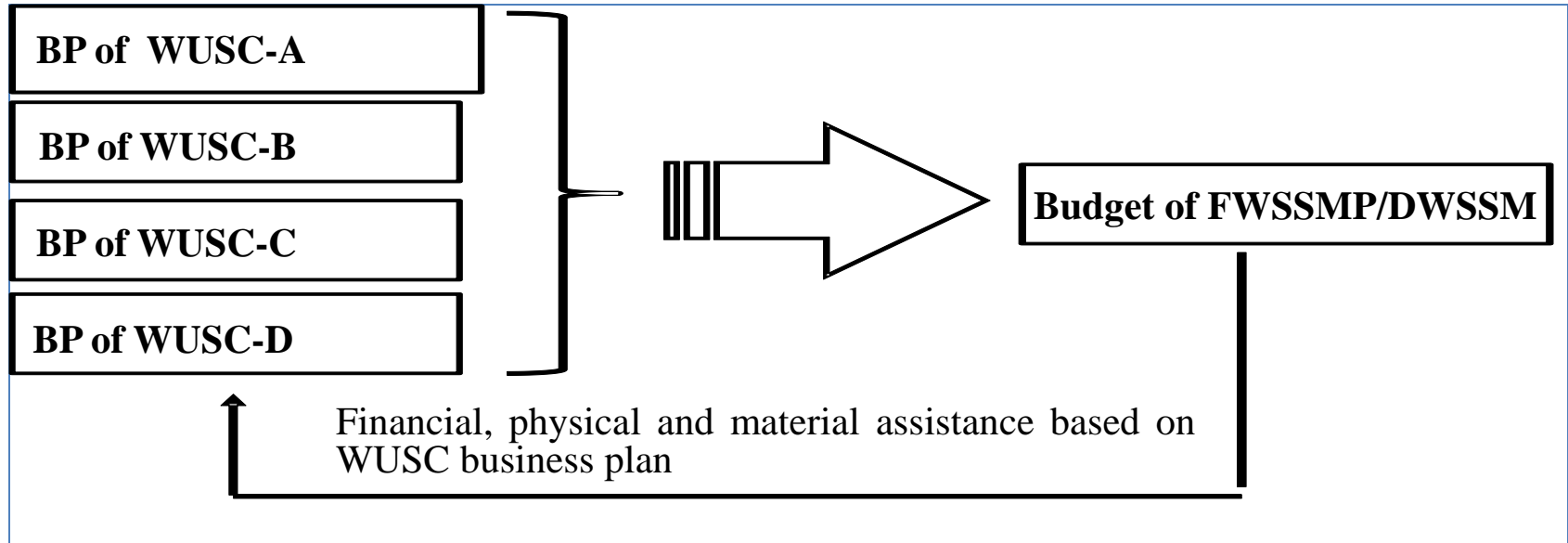


## Support to WUSC:

1. Guide to establish and reinforce institutional system
2. Provide training to strengthening knowledge and skills of staff
3. Provide OJT to ensure sustained skills and knowledge of staff
4. Provide opportunity for info-exchange between WUSCs
5. Provide essential material / hardware support needed for normal operation of the system

# Support model: Support strategy

- ❖ DWSSM to assist WUSC based on their business plan
- ❖ DWSSM to confirm what assistance is required, based on submitted BP.
- ❖ Aligning all business plans of WUSC in the jurisdiction, field offices of DWSSM to assess total volume of assistance required.





## Support model: Support strategy

# Soft (Training) activities

- ❖ TOT and supplemental TOT : professionals from and out of DWSSM, **> 70 Trainers prepared**
- ❖ Basic Training of WUSCs: for key officials of WUSCs:
  - ❖ 5 Basic training events, **>201 officials**





# Support model: Support strategy

## Soft (Training) activities

- ❖ Onsite Training of WUSCs- to ensure compliance:
  - ❖ 52 WUSCs included.
  - ❖ To be conducted by FWSSMP officials who have taken TOT



## Support model: Support strategy Soft (Training) activities ...

- ❖ Technical Trainings of WUSC staffs to enhance operational skills:
  - ❖ 64 WUSCs included.
  - ❖ WQ management trainings, 3 events, ~65 trained
  - ❖ Pump operators' trainings, 1 event, ~24 trained
  - ❖ Plumbing trainings, 1 event, ~25 trained





# Support model: Support strategy Soft (Training) activities ..

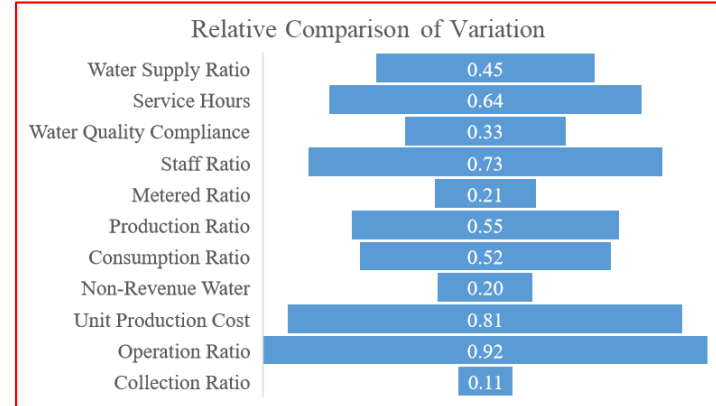
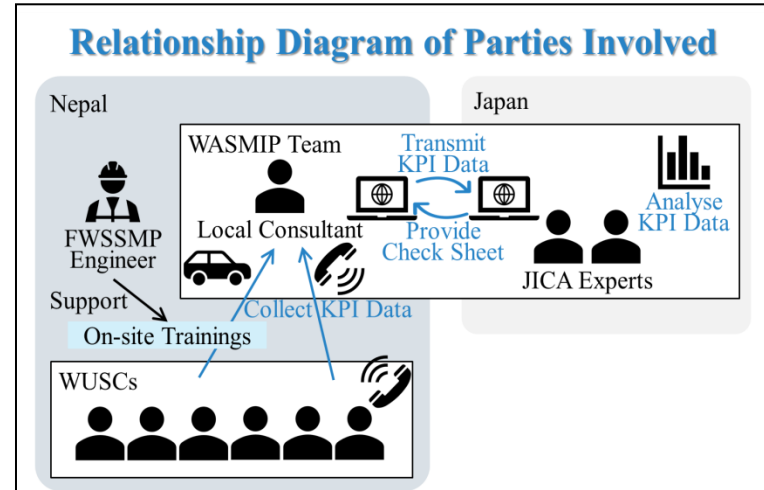
- ❖ Learning exchange visits of WUSC to another host WUSC:
  - ❖ 55 WUSCs included, 4 host WUSCs.
  - ❖ 4 Events, >246 participated



# Soft (Training) activities ...

## ❖ Benchmarking of WUSC performance:

- ❖ Based on 11 KPIs prescribed by SEIU
- ❖ 48 WUSCs with complete data for FY 2075/76
- ❖ 9 WUSCs-partial data, 11 didn't respond
- ❖ **Result Disseminated in NWSSTC webpage.**
- ❖ Next round of data collection ongoing
- ❖ Does it worth continuing BM? If yes, then:
  - ❖ Who will carry it?
  - ❖ Will it be incorporated in NWASH?
  - ❖ Past experiences on BM- SEIU conducted for 3 consecutive years 2014-2016



# Soft (Training) activities ...

## ❖ Orientations to LG/MoPID engineers:

- ❖ Lumbini (Butwal) ~11 participated
- ❖ Gandaki (Lamjung) ~5 participated
- ❖ Gandaki (Pokhara) ~14 participated
- ❖ Prov2 (Janakpur) ~20 participated
- ❖ Prov1 (Brtnagar) ~16 participated
- ❖ Prov3 (Ramechhap) ~9 participated



## ❖ Emergency support to WUSCs (JICA support) during pandemic:

- ❖ Water quality test kits to 9 WUSCs
- ❖ Bleaching powder to 63 WUSCs
- ❖ Portable toilets distributed 6 nos
- ❖ Handwashing facility installed at 15 public places



# WASMIP II Learnings

- ❖ Post-construction support is vital for long-term sustainability of systems and services.
- ❖ Support is a two way process, one way activism will produce no result.
- ❖ Serious question on demand creation from users' side. Majority of WUSCs remained indifferent.
- ❖ Regulation of service providers through an effective regulatory mechanism is what is direly missing.



# Way forward

- ❖ WASMIP II deliverables: documents developed and submitted; NWSSTC is initiating tippani for dept-approval of these docs:
  - ❖ Guideline- Training Implementation Guideline for NWSSTC
  - ❖ Manual- Manual for Scheme Rehabilitation Works for WUSC & DWSSM
  - ❖ Business plan- Guideline modules for WUSCs
  - ❖ Operational manual- Guideline modules for WUSCs
  - ❖ SOPs for WUSCs:
    - ❖ Intake facilities
    - ❖ Distribution facilities
    - ❖ HH Connection and Water meter management
    - ❖ Water treatment facilities
    - ❖ WQ management
    - ❖ Repair & Maintenance works
    - ❖ Reporting of monitoring results
    - ❖ Analysis of supply situation
    - ❖ Hands on SOPs (one pager summary on each of the above subjects)

# Way forward

- ❖ What after WASMIP II ?
  - ❖ Roles of FWSSMPs?
  - ❖ How DWSSM maintains connection with WUSCs, the grass-roots?
    - ❖ NWASH platform?
    - ❖ Post-cons Support mechanism?
    - ❖ Training centre?
      - ❖ But how NWSSTC gets connected with WUSCs?
      - ❖ Again the NWASH platform?
      - ❖ Or, FWSSMPs?



# Way forward

- ❖ What after WASMIP II ?
  - ❖ The succession program for WUSC support?
  - ❖ Or, roll out plan of Management and Support models developed by WASMIP
  - ❖ Issues of system conformity!
    - ❖ Staff calibration?
    - ❖ System calibration?

# Pinpoint Suggestions

- ❖ Switchover from project approach to program approach,
- ❖ Support to WUSC, based on firm studies and Business plan, and to be performance based,
- ❖ Dedicated Support units to be established under each of the FWSSMPs,
- ❖ Gradual transcending of the Management and Support models to the provincial WaSH units.

# Thank you for your time!



**WASMIIP**

For providing safe and quality drinking water to people



खानेपानी तथा ढल व्यवस्थापन विभाग  
विभाग भवन, पानीपोखरी, महाराजगन्ज, काठमाडौं, नेपाल

राष्ट्रिय खानेपानी तथा सरसफाइ तालिम केन्द्र  
तालिम केन्द्र, नगरकोट, भक्तपुर, नेपाल