TRAINING PROGRAMME:

PROFESSIONALIZING RURAL WATER SUPPLIES -SHARING LESSONS AND STRATEGIES ACROSS REGIONS

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#WaWF23



HOW FAR HAVE YOU COME?

Less than 50 km?
1,001 to 5,000 km?

51 to 500 km? 5,001 to 15,000 km

501 to 1,000 km? >15,000 km

WHO MANAGES <u>YOUR</u> WATER SUPPLY?

- Select a management option that best fits your situation and the name of the provider if you know it?
- Give an indication of whether you are happy with the overall service, reliability, price etc.





AGENDA FOR THE DAY

Session 1:

Introduction, definitions and typologies of rural water service provision

Session 2:

Understanding the challenges and why we need to professionalize.

Diagnostic group work.

Session 3:

Case studies of professionalization – what is starting to work Panel discussion.

Session 4:

What can you do to professionalize service delivery

Group work and action plan.



Why is professionalization of rural water so important?

- Low functionality rates and poor sustainability of rural schemes, particularly under CBM approaches is well documented – climate change will only exacerbate these challenges
- Achieving universal access and SDG 6.1 without rural is impossible - 80 % of people without even a basic service live in rural areas (JMP, 2021)
- Only 17% of countries reported having sufficient supply of trained personnel graduating annually from training institutions to met needs of small-scale drinking water schemes (n = 102; GLAAS, 2022)



Broader decentralization processes and sector reforms, coupled with demographic changes and demand for higher service levels as aspirations of rural population rise								
Central government supply-driven model	Community involvement recognized as important	Community based management established in policy App	Demand Responsive proach tested Limits of CBM w new focus on p construction support	Alternative models with increasing professionalisation and aggregation of service areas				
Centralized approaches fail to deliver improvements Little or no community consultation Hardware driven	UN International Drinking Water and Sanitation Decade (1980 - 1990) Focus on 'software' and community participation	CBM evolves as predominant model across most countries User contribution to capital investment Rural water dominated and financed by international aid donors and NGOs Abdication of (some) govt. responsibility	Limits of CBM and failure to adequately support communities Need to support CBM Shift from voluntary CBM towards "CBM plus" Decentralization and transfer of mandate but limited capacity to fulfil roles	 Service Delivery Approach Full life-cycle requirements Increasing aspiration of rural populations Strengthening enabling environment Alternative management models: public utilities, PPP, delegated professionalized maintenance Decentralization remains important, with consolidation as emerging trend 				
Centralised provision Community based management Emergence of alternative models								
Pre- 1980s	1990		2000 2010	2015 2020				
		Millenni	um Development Goals	SDGs				

[Source: Adapted from Aguaconsult/WaterAid; 2018]

Professionalization of rural water service delivery: *different things to different people*

- Adoption of good managerial and technical practices:
 - Training and certification
 - On-going accreditation
 - Improved financial management
- Strengthening unsupported or basic CBM:
 - Formalize roles and responsibilities
 - Move away from volunteerism trained/paid staff
 - Outsourcing specific tasks to (private) suppliers
 - More structured, systematic support = "CBM +"
- Alternative management models: public utilities expanding service mandates into rural and private operators working under different contracting mechanisms to agreed standards
- Rethinking scale of service provision:
 - Aggregation of service areas under one management entity
 - Pooling of risk and possibilities for cross-subsidies and more qualified staff

What Does That Mean?

professionalization





GROUP WORK 1: DEFINING SERVICE DELIVERY MODELS

Split by type of organisation into groups and talk through your different experiences, reflecting on:

- Which service delivery models can you identify?
- Who is responsible for day-to-day operation, maintenance and management?
- Who owns the assets and invests in capital maintenance?
- Where does the authority sit for ensuring water services are delivered in rural areas?
- Who is responsible for regulation of rural water services?



TYPOLOGY OF SERVICE DELIVERY MODELS

- Self Supply
- Community based management basic or supported (CBM plus)
- Private utility or operator
- Local government (district, municipality, commune) public provision
- Public utility

SERVICE DELIVERY MODELS REPRESENT MORE THAN JUST THE OPERATOR

National	National ministry and regulator (if applicable) Sector policy, norms and standards, financing flows, coordination, monitoring, asset holding (in some cases)							
Service Authority	Decentralize Support, pla oversight, ac holding (in se	Decentralized government: local or regional Support, planning, budgeting, resource mobilization, oversight, accountability functions – regulation and asset holding (in some cases)						
Service Provider	Self supply	Community Management	Local Government	Private operator	Public utility			

WAT

In reality the world is	Supported Community-Based Management			Private Service Providers		Public Service Provision		
more complex and there are many different hybrids of models	CBM I: Water committee management with external support from the service authority	CBM 2: Water committee management with the formal delegation of some technical functions to private operators	CBM 3: Grouping of water committees into associations or federations to support water supply facility management	PRIVATE I: Privately owned and operated schemes (invest, build, operate)	PRIVATE 2: Private operators delegated operations and management functions by local government	PRIVATE 3: Private companies delegated operations and management responsibilities by specialised asset holding entity	PUBLIC I: Local government unit or department directly manages water supply infrastructure	PUBLIC 2: National or sub- national utility directly manages water supply infrastructure
National Level (Enabling Environment)	Regulatory agency, ministry, or delegated third-party entity (i.e., local government) agency, agency, designated					Independent regulatory agency, designated	Designated entity (i.e., Ministry) or informal self-	Independent regulatory agency or
Service Authority Level (Local or regional government)	Local government, or other					entity (i.e., Ministry) and / or asset holding entity		designated entity (i.e., Ministry)
Service Provider Level	Water Committee Private Operat			٥r	Local government unit or department	National or sub-national		
	Local Mechanic	Private Operator	Association or federation				department	utility
Examples	Ghana; Mali; Mozambique; Peru; Senegal; Tanzania; The Philippines; Uganda; Zambia	Ghana; Uganda;	Tanzania; The Philippines, Brazil (Ceará), Honduras	Ghana, India	Mali; Mozambique; Rwanda	Mozambique; Senegal, Benin	India; Peru; Tanzania; The Philippines; Uganda	Ghana; Tanzania; Uganda; Zambia



KEY TAKEAWAY MESSAGES:

Professionalization is not just about the service provider and their technical and managerial capacities

- Building the architecture to support professionalization:
 - Clarifying legislation to underpin sector institutional roles and management arrangements
 - Identifying asset ownership who is responsible for what and establishing independent asset holding entities
 - Establishing regulatory arrangements

Establishing financing mechanisms:

- Decentralization of public funds
- Viable tariff setting to support operations (regulator)
- Identifying subsidies and mechanisms for delivery
- Attracting external funding from donors or repayable financing from private sector
- Government role in influencing consumer behaviours
 - To pay water tariffs no electioneering
 - Water conservation

THE SEVENTH VIDEO:

UNDERSTANDING THE CHALLENGES OF COMMUITY-BASED MANAGEMENT







SESSION 2: DIAGNOSING PROFESSIONALIZATION FOR RURAL WATER SUPPLY



WATER WASH WASH MUTCHES Address 2000 hs Charging Climate

WaterAid; 2021

THE BUILDING BLOCKS OF A STRONG WASH SYSTEM



WATEE

BUILDING BLOCKS THAT SUPPORT PROFESSIONALIZATION



INSTITUTIONAL ARRANGEMENTS & COORDINATION



SERVICE DELIVERY

MONITORING





This building block supports professional service delivery when: Sector laws, policies and institutions for service provision, and service authority exist and have clearly defined mandates and sufficient capacity is in place. Coordination mechanisms are in place.

This building block supports professional service delivery when: Roles and responsibilities and capacity are in place for managing infrastructure, including asset ownership; technologies and service delivery models must be appropriate for the context.

This building block supports professional service delivery when: National and subnational monitoring frameworks exist, are readily updated, and data is used proactively to improve the performance of service providers and quality of services on a routine basis.

This building block supports professional service delivery when: Clear frameworks exist developing plans and budgets at all levels of government and for all types of service providers, as well as when there is capacity development programmes in place.

BUILDING BLOCKS THAT SUPPORT PROFESSIONALIZATION





REGULATION & ACCOUNTABILITY







LEARNING & ADAPTION

This building block supports professional service delivery when: Clear frameworks and sufficient funding from different sources are available to meet life-cycle costs, including targeted subsides that be required either for poor consumers or for service providers.

This building block supports professional service delivery when: A regulatory framework with defined functions and mechanisms, and the capacity to oversee service providers and set viable tariffs. Mechanisms are in place to hold service providers to account for equitable services.

This building block supports professional service delivery when: There are clear frameworks for the allocation and management of water abstraction and water quality, which are implemented through a range of systematic practices.

This building block supports professional service delivery when: Capacity and frameworks exist to capture lessons learned and to adapt and update service delivery models, management approaches, and the wider building blocks in the face of change and lessons learned.

GROUP WORK 2: BUILDING BLOCK DIAGNOSTIC

- Divide into country groups
- Briefly discuss the status of each building block and strengths and weaknesses
- Identify the most critical building block(s) that enquire strengthening to enable more professionalized service delivery, and unpack why
- 30 minutes for discussion and preparation to present back to plenary







PANELLISTS

- Kylie Climie, Power and Water Corporation, NT, Australia
- Uatea Salesa, Secretariat Pacific Community
- Nur Aisyah Nasution, Ministry of National Planning and Development Indonesia
- Shona Fitzgerald, World Bank



PANEL DISCUSSION

- How do you interpret professionalisation in your country?
- What is happening in your country or programmes to support this?



CASE STUDIES OF PROFESSIONALIZATION

- Indigenous Essential Services, Northern Territory, Australia
- SNV Kenya
- PASIMAS, Indonesia
 - Peru supported CBM
 - Brazil association of CBM
 - Uganda CBM with professionalized maintenance providers
 - Rwanda district PPP for O&M
 - Ghana public utility provision

PERU: SYSTEMIC, NATION-WID SUPPORT FOR CBM

PUBLIC FUNDING

Increase in transfers to local governments for sector investments from US\$ 2.5 million in 2015 to US\$ 32 million in 2020

REGULATION

SUNASS -Superintendencia Nacional de Servicios de Saneamiento - extending regulatory arrangements to rural water sector

> 28,000 CBM operators serving 86% of rural population

DIRECT SUPPORT TO CBM

Municipal Technical Area - Áreas Técnicas Municipales

ASSET OWNERSHIP

Decreto Supremo 1280 (2016) makes Municipal Governments responsible for major repairs and rehabilitation works Reglamento de calidad de la prestación de los servicios de saneamiento brindados por organizaciones comunales en el ámbito rural



Aprobado por Resolución de Consejo Directivo Nº 015-2020-SUNASS-CD y publicado en el Diario Oficial El Peruano el 31 de mayo de 2020



CEARÁ STATE BRAZIL: FEDERATED MODEL WITH CLEAR RESPONSIBILITIES FOR FINANCING



State utility CAGECE) – new system construction, monitoring and training, laboratory services

Federation: 8 regional units major maintenance, billing, water quality testing

Member Associations: 729 community service providers - day to day O&M, user awareness meter reading Financing is aggregated and responsibility for costs are clearly defined at different levels:

- Association tariffs cover operational costs and technical support.
- Federation is responsible for financing capital maintenance of assets with short life-spans and corrective maintenance of major assets.
- The state government pays for capital maintenance and new investment from general state taxes.

UGANDA: NEW NATIONAL O&M FRAMEWORK FOR WATER POINT MANAGEMENT

- Recognizes and responds to short-comings of conventional CBM
- Defines professional management structures with 'Area Service Providers' providing maintenance and other tasks in support of CBM
- Performance- based contracts signed with District Water Boards and communities, including core KPIs

Whave: social enterprise operates across 10 Districts

- ~ 275,000 consumers under ~900 maintenance agreements
- Focus on staff training, oversight and spare parts quality
- Functionality rates of ~98% and repair times < 2 days on average
- Acts in advisory capacity to help local government operationalize new O&M framework
- Managed on commercial lines with potential for financial viability through aggregation of service areas and pooling of risk
- Still reliant on development partner financing support, but increasing scope for domestic public financing and increasing tariff revenue

https://www.whave.org/



DIRECTORATE OF WATER DEVELOPMENT RURAL WATER SUPPLY AND SANITATION



NATIONAL FRAMEWORK FOR OPERATION AND MAINTENANCE OF RURAL WATER INFRASTRUCTURE IN UGANDA



RWANDA: DISTRICT LEVEL PUBLIC-PRIVATE PARTNERSHIP FOR OPERATION AND MAINTENANCE



- 46 licensed operators for piped schemes working across 27 rural districts ongoing trend of rationalising to fewer number of larger, better-performing operators
- District government retains ownership of the assets and receives % of sales revenue as fee
- Community structures still play a role in liaising with operator maintains trust
- Forum of Private Operators of water and sanitation systems in Rwanda (FEPEAR)
 umbrella organization to support PPP capacity
- Professionalization of operators remains a work in progress:
 - Only 24% of schemes with chlorination units
 - 46% of surveyed operators with trained staff on O&M
 - High rates of metered connections (99%) but low metering of bulk supply
 - 79% average rate of billing collection efficiency



GHANA: EVOLVING ROLE FOR CWSA AS PUBLIC RURAL UTILITY

- CWSA initiated reforms in 2017 to professionalize management of rural water services – response to perceived failures of CBM to deliver expected levels of service
- Amendment of the Community Water and Sanitation Agency Act (1998) to transform CWSA into utility service organization to operate and manage piped schemes
- New policy (2022) confers asset ownership of larger piped schemes to CWSA but to date only operating ~170 out of 1,022 – also has power to delegate to private operators
- Some tensions with Ghana Water Company Limited (urban) and requirement for regulation
- District Assemblies still responsible for community managed schemes (point sources)



RURAL POPULATIONS ARE NOT MONOLITHIC AND MORE THAN ONE ARRANGMENT CAN EXIST IN SAME GEOGRAPHY

ce Levels and Degree of Professionalisation	Piped Water Supply Scheme Providing Water on Premise	CBM3 – Community-based management with the formal delegation of some functions to private operators (i.e., Hand Pump Mechanics Malawi) CBM2 – Community-based management with external support and some level of professionalism (i.e., Borehole Banking in Malawi)	CBM4 – Community- based management with the formal delegation of a substantive set of functions to private operators (i.e., Public Private Partnership in Eswatini)	U1 – Large public or Corporatized utility directly manages water supply infrastructure (i.e., Zambia's Commercial Utilities) PO1: Private operators are delegated operations and management functions by lo government (i.e., Madagasca	PO2: Private companies are delegated operations and management responsibilities by a specialised asset holding entity (i.e., AIAS delegated management framework in Mozambique ocal ar)	Professionalised Semi- Professionalised Voluntary- Based	
Service	Hand Pump	Borehole Banking in Malawi)				Dascu	
	·	Dispersed Rural	Concentrated Rural	Rural Growth Centre	Small-Town		
Population Density							

GROUP WORK 3: ACTION PLANNING FOR PROFESSIONALIZATION

What can you do to professionalize rural water service delivery in your country?

- Look back at the analysis of strengths and weaknesses of the building blocks from the second group exercise
- Work on a matrix for improving professionalization:
 - Select 3 or 4 of the most important areas for action and assess what needs to change?
 - Who do you need to be involved to address reform or improvement?
 - $_{\odot}$ What is the timeframe for such change?
- You will have 60 minutes to work on your plan





RESOURCES

- www.Aguaconsult.co.uk
- www.ircwash.org/wash-systems-academy
- www.rural-water-supply.net/en/
- www.uptimewater.com
- www.globalwaters.org/real-water

THANK YOU FOR ATTENDING AND DON'T FORGET TO PROVIDE FEEDBACK ON THE DAY VIA THE CONFERENCE APP

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Achieving SDG6 in a Changing Climate