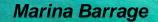
"Leaving No One Behind: Sustainable WASH Services in Rapidly Changing Context"

WASH Service Delivery Models Anu Gautam, WASH Specialist UNICEF EAPRO, Bangkok









Learning Objectives



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By the end of this session, Participants will be able to

- Explain the importance of service delivery arrangements to support the enabling environment
- Describe the **framework** for supporting service delivery
- Identify actions and steps to strengthen the enabling environment

Definition

Service delivery arrangements respond to community needs and capabilities

Service delivery is set of mechanisms (a model) to provide reliable, good quality of water and sanitation on a continuous basis. A variety of WASH service delivery arrangements involve civil society organizations, small service providers, transnational companies, different ministries and delegated branches of the government, local government and municipal companies.

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What is a service delivery model?

A SERVICE DELIVERY MODEL PER SUB-SECTOR!!

Policy and Legal Frameworks

Norms and standards; roles, rights and responsibilities indicating who does what when; funding mechanisms

> Service Provider(s) Honoring a management model

Assessed through: quantity, quality, accessibility, affordability and reliability

Service Levels to be Provided

(e.g., 20 liters/pcpd, quality compliance, within 30 minutes from typical home



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Sustainability of services: The main challenge

1/3 of rural water points are estimated to be broken at any given time in SubSaharan Africa

First 5 years, after installation, around 30% of water points become non-functional.

After 15 years, 2 out of 3 water points in SubSahran Africa is estimated not to be working.



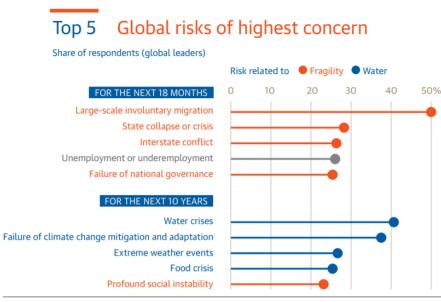
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Water stress and insecurity impact service delivery arrangements

FIGURE 1.2. Top Five Global Risks of Highest Concern for the Next 18 Months and 10 Years



- Most water-scarce region in the world (A recent World Bank report in MENA notes that more than 60% of the region's population is concentrated in places affected by high or very high surface water stress, compared to a global average of about 35%).
- Groundwater over-abstraction unsustainable use of groundwater
- Another challenge is on wastewater, 82% of which is not being recycled in the region, compared to just 30% in high-income countries.

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Note: Based on a perception survey of leaders from business, government, academia, and nongovernmental and international organizations surveyed by the World Economic Forum.

Source: World Economic Forum, Global Risks Report 2016.

Principles

Service delivery arrangements must be:

- Affordable to the consumer
- Equitable, to reach all populations, including the most vulnerable
- Sustainable over the long run
- Replicable, to be able to expand in the future

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Expected Outcomes

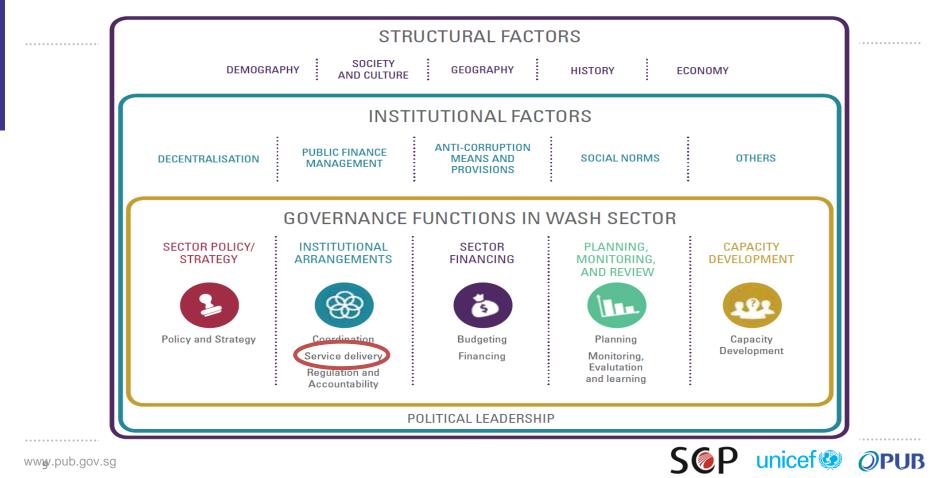
Models for service provision are defined for different contexts and applied appropriately, explaining **roles and responsibilities**, and stipulating **contracting procedures**, **O&M arrangements**, **supply chains**, **tariffs** and other parameters of service, leading to efficient and effective water and sanitation services.

- Different models for service are documented, with clear roles and responsibilities of users, service providers, and government in each of them (slide 16).
- Standards/benchmarking for affordable services in place (more during financing session).

Expected Outcomes (cont.)

- Sector delivery models consider different options, including private sector participation.
- Conditions are conducive to application of those models, including policy and regulatory framework, capacity development, financial provisions and performance-based incentives.
- Models include provisions for targeting most vulnerable people.
- Models include **mechanisms for accountability** between users, governments, and service providers.

Context: Structural and Institutional Factors



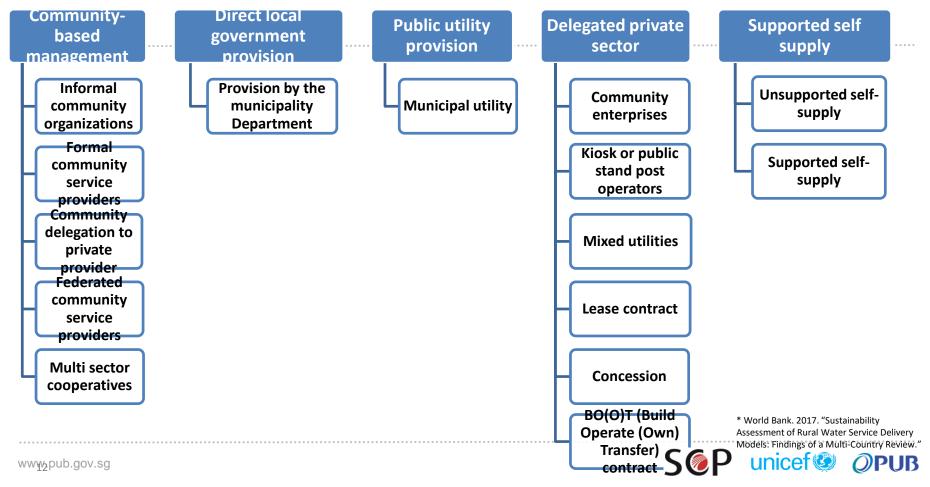
Service delivery arrangement criteria

Service Delivery Arrangements	Service Delivery Arrangements			
Definition	inition Service delivery is set of mechanisms to provide reliable, good quality water services on a continuous basis			
	Models for rural water service provision defined for different contexts and applied appropriately, explaining roles and resp procedures, O&M arrangements, supply chains, tariffs and other parameters of service, leading to efficient and effective set			
Priority Criteria	Standards/benchmarking arrangements for rural water service delivery in place			
Criteria		💊 Tags		
The sector delivery models include a ra	ange of options, including private sector participation			
Private sector is incentivized by govern	Private sector is incentivized by government regulations, laws, institutions, financing and incentive systems The process for selection and implementing service delivery models is clear, transparent and adapted to the context			
The process for selection and implement				
Adequate conditions are in place for the incentives				
The models include provisions for targe	The models include provisions for targeting most vulnerable populations			
The models include mechanisms for ac				
A supply-chain for hardware and service	A supply-chain for hardware and services for drinking water systems meets rural community and households needs in terms of both availability and price.			
OUD The service models are widely known a	and implemented in practice St	P unicef		

Service delivery arrangement criteria

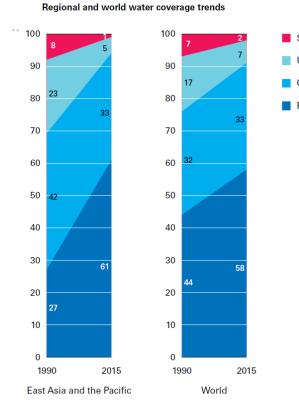
Models for PRIORITY: Standards/benchmarking arrangements for wa	
	ater
water service service delivery in place	
provision defined The sector delivery models include a range of options, inclu	uding
Service for different private sector participation	
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set of applied institutions, financing and incentive systems	
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ngeme good and stipulating available capacity support, financing arrangements and ince	entives
quality contracting The models include provisions for targeting most vulnerable	е
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services on arrangements, The models include mechanisms for accountability between	n users,
a supply chains, governments, and service providers	
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s basis parameters of systems meets community and households needs in terms	s of
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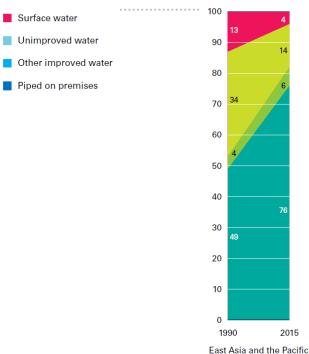
Service Delivery Typology*



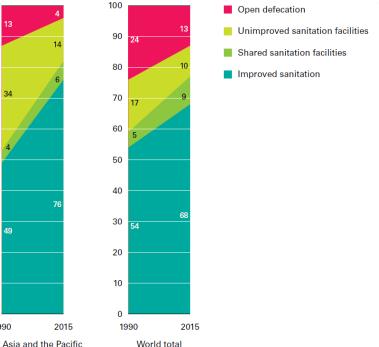
WATER TRENDS IN EAST ASIA AND THE PACIFIC

SANITATION TRENDS IN EAST ASIA AND THE PAC









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Source: WHO/UNICEF Monitoring Programme for Water Supply and Sanitation 2015 dataset.

Source: WHO/UNICEF Monitoring Programme for Water Supply and Sanitation 2015 dataset.

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Challenges in providing universal and sustainable service for all.

- How the service standards correspond with the stringent definition of "safely managed drinking water."
- Nationwide systems monitoring the functionality of water facilities face many limitations, but are a work in progress in most countries.



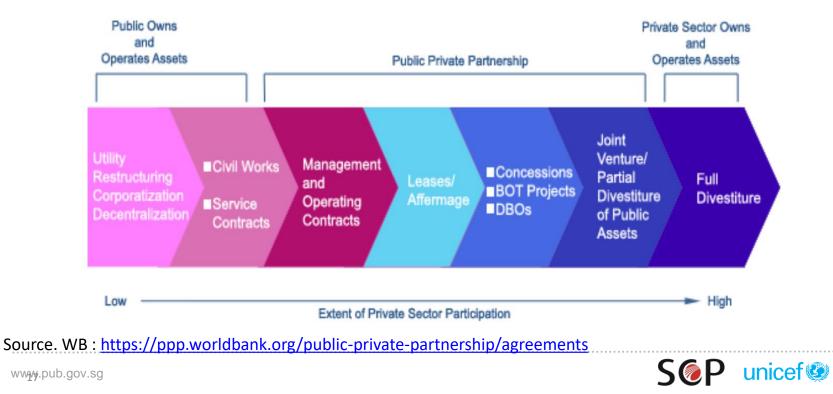
Service Delivery Typology

Service provider typology	Main variants	Description	
Community-based management		Community organizations taking care of daily operation, maintenance, and administration. But these are not legally recognized as service providers, because organizations have not taken the due legalization steps or government has not applied its policy.	Vietnam, Philippines, China
	Formal community service	Community organizations taking care of daily operation, maintenance, and administration, and these are legally recognized as service providers. This implies that the support is integral to the model, though in reality they may not get support. The details of how they are set up and structured may vary according to type of technology and who established them (government or NGO). Communities may contract out certain tasks of O&M to individuals (plumber or scheme attendant) or even to small companies.	Vietnam, Philippines, China
		Community organizations delegate through contract the entire O&M to private operators over medium to long periods. The operator gets its remuneration through the sale of water. The community organizations provides oversight. It is essentially a double delegation from the authority to the community organization to the private operator	
		Community organizations take care of daily operation, maintenance, and administration, and these are legally recognized as service providers. There is a federation of individual community service providers, where the federation does some of the major works, and the individual members some of the minor works (also known as a Trust in Tanzania).	
	Cooperatives	Community organization not only established for water, typically agricultural organization. Often fall under a different legal regime from other community service providers	Indonesia, Philippines
Direct local government provision	Provision by the municipality	The local government is the service provider in the main settlement of its jurisdiction, and also serves nearby rural populations. The provider function is placed within the municipal administration (non-corporatized).	Vietnam, Philippines, China
Public utility provision	Municipal utility	The local government is the service provider in the main settlement of its jurisdiction and also serves nearby rural populations. The provider function is established within an entity that is autonomous from the municipal administration and may act along commercial lines.	Philippines,
		Autonomous utilities, that are fully controlled by the public sector at other levels of scale than local government (for example, province or state), but may act along commercial lines.	China, Philippine
Delegated private sector	Community enternrises	Commercial enterprises set up by county government, whereby the county retains the assets and establishes a concession service contract with community enterprises. The private operator is remunerated through the sale of water.	China
	Mixed utilities	The community and the local government jointly establish a company and jointly own the assets.	Vietnam, Indonesia
		The service authority delegates operation and maintenance to a private service provider. The private operator is remunerated through the sale of water, and pays a lease fee to the authority.	
	Concession	Similar to lease but with investment obligations and contracts over longer time to recoup investments. Some of the expansions are subsidized through output-based aid.	Vietnam
	BO(O)T (Build Operate (Own) Transfer) contract	The service provider is contracted to invest into a water system, based on a long-term contract for remuneration based on the sale of water.	Vietnam
		Operator purchases water in bulk and ensures the retail sale of water, typically through a kiosk or public stand post. Operation and maintenance of the scheme is done by the service authority or utility, through the revenue from the operators.	

Service delivery arrangement criteria scoring

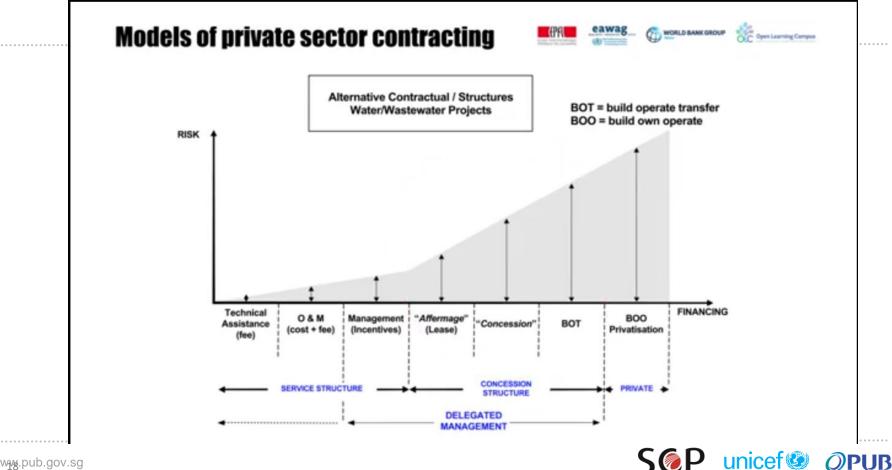
FUNCTIO N	DEFINITION	OUTCOME	CRITERIA	SCORE
Serviceset of medDeliveryto provideArrangegood qualmentsservice	Service delivery is	Models for water service provision defined for different contexts and applied appropriately, explaining roles and	PRIORITY: Standards/benchmarking arrangements for water service delivery in place	0
			The sector delivery models include a range of options, including private sector participation	0
			Private sector is incentivized by government regulations, laws, institutions, financing and incentive systems	0
			The process for selection and implementing service delivery models is clear, transparent and adapted to the context	0
	set of mechanisms to provide reliable, good quality water	responsibilities, and stipulating contracting	Adequate conditions are in place for the application of service delivery models, including the policy and regulatory framework, available capacity support, financing arrangements and incentives	0
	services on a continuous basis	procedures, O&M arrangements,	The models include provisions for targeting most vulnerable populations	0
		supply chains, tariffs and other	The models include mechanisms for accountability between users, governments, and service providers	0
		parameters of service, leading to efficient and	A supply-chain for hardware and services for drinking water systems meets community and households needs in terms of both availability and price.	0
		effective services	The service models are widely known and implemented in practice	0

Public-private partnerships (PPPs) take a wide range of forms varying in the extent of involvement of and risk taken by the private party. The terms of a PPP are typically set out in a contract or agreement to outline the responsibilities of each party and clearly allocate risk. The graph below depicts the spectrum of PPP agreements *.



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Private sector model: Risk versus Financing



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Possible policy highlights*

- 1. There is a **'missing middle'** in the **enabling environment**: investment in systems, capacities and resources need to go down to service authority level.
- Communities on their own can often pay "O&M plus" but not full cost recovery: financing from tariffs can cover O&M (and beyond) but plan for continued public financing for direct and indirect subsidies from taxes and transfers.
- 3. The transition to higher **service levels needs to be well managed**: better service levels with aggregated/larger, more complex schemes, will require **professionalized management**, asset management, comprehensive monitoring and introducing light touch regulation.
- 4. Dispersed and hard to reach **people require explicit focus to avoid stagnation**: as countries move along the development trajectory vulnerable, ethnic and minority groups will require tailored approaches.
- 5. Technical or management solutions are not the constraint, in the end it is political engagement that may matter most: rural water sectors do not exist in a vacuum and require an understanding and navigation of the political economy to ensure that systems are in place to sustain services indefinitely.

* Sustainable Service Delivery Models for Rural Water Supply Harold Lockwood and Goufrane Mansour, Aguaconsult, UK Stef Smits, IRC; Netherlands Susanna Smets, World Bank

Case Jdies idones ongolia etnam analysis

Equity in Public Financing of Water, Sanitation and Hygiene (WASH)

Analysis from INDONESIA, MONGOLIA and VIET NAM









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UNICEF East Asia and Pacific Regional Office June 2016

Equity in Public Financing of Water, Sanitation and Hygiene (WASH) **INDONESIA**



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Equity in Public Financing of Water, Sanitation and Hygiene (WASH) MONGOLIA



Equity in Public Financing of Water, Sanitation and Hygiene (WASH)

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Publications



French version available on watergovernance.org



Sector level Questions (for participants)

Are there programs to support service providers and private sector capacity building at national or decentralized levels for rural water?

Are there programs and initiatives of technical assistance to train and support service providers on business development and technical capacity?

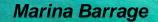
Do service providers receive external support and backstopping on a regular basis?

Do service providers have the technical and managerial capacity to operate water schemes effectively?

Are incentives in place for service providers to improve their performance?



Thank You









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