

# Lessons from sustainability monitoring at district level

## Rwanda – Bugesera District

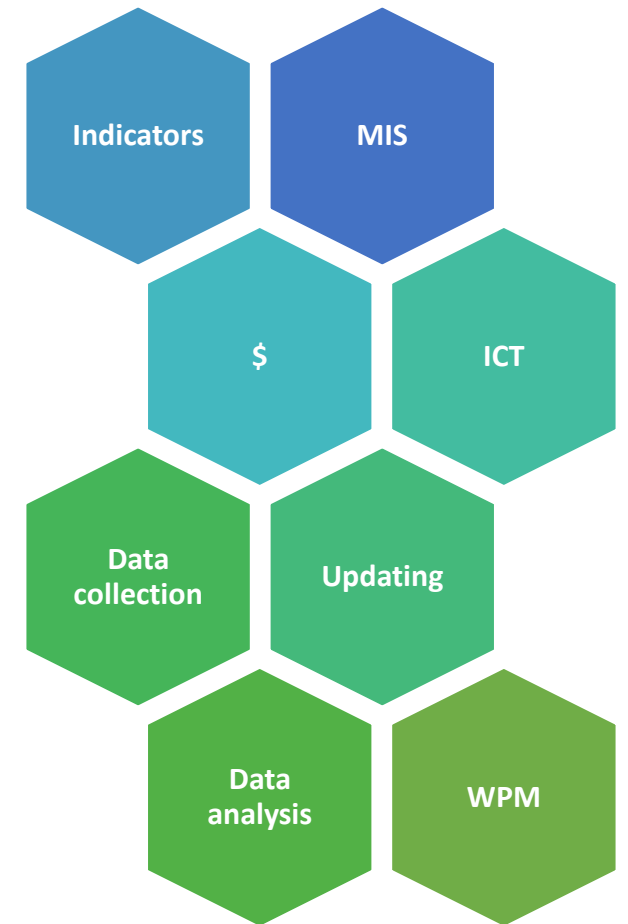
30<sup>th</sup> August 2017

**WaterAid Rwanda & Programme Support Unit**

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Programme Support Unity**

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Stockholm World Water Week





## Sustainability Monitoring

“30-40% rural water points non functional in Sub-Saharan Africa” (RWSN, 2009)

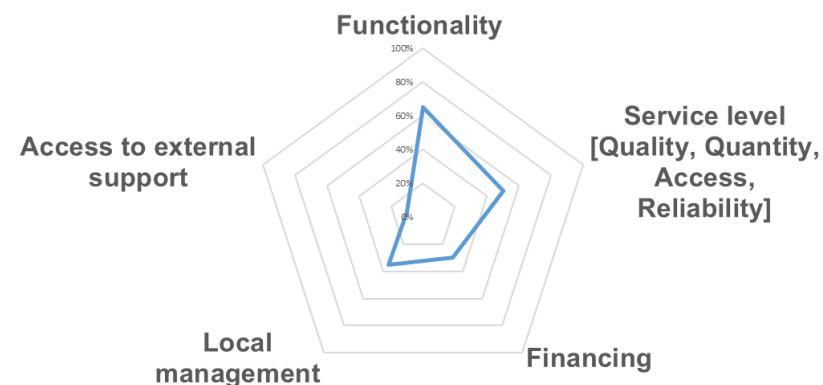
“25% of water points non functional by their fourth year” (Banks et al. 2016)

# Sustainability Monitoring

## UNICEF Sustainability Checks

Indicator Group
Technical
Social
Financial
Institutional
ODF status

## WaterAid PIMS

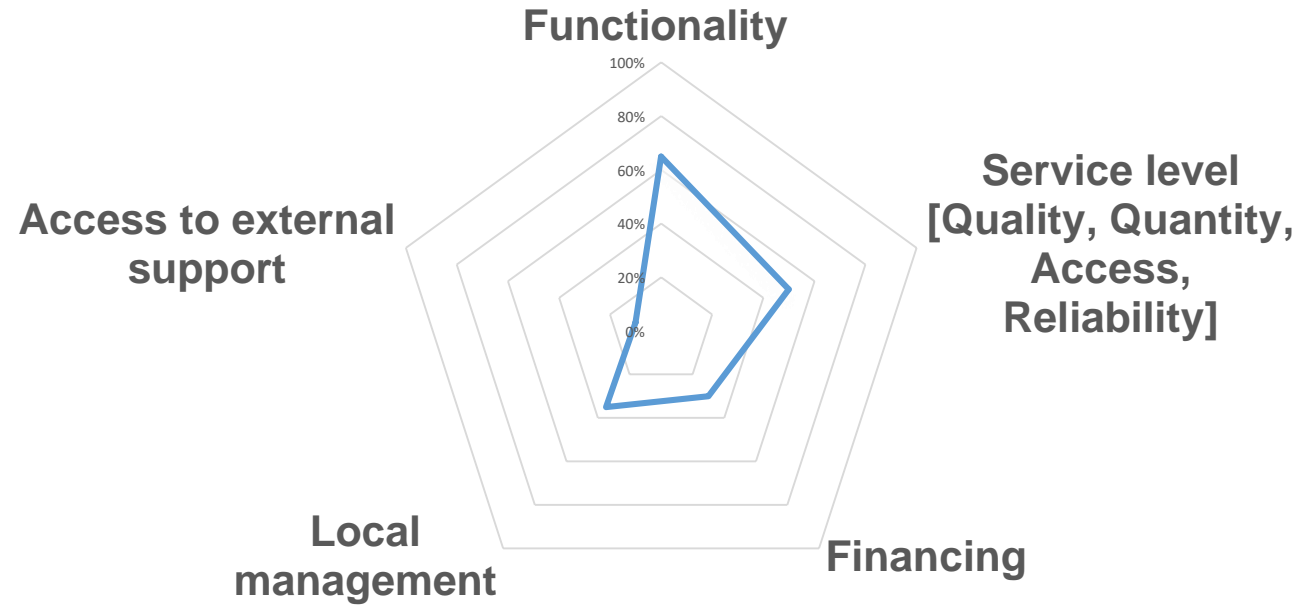


## Rural Water Sustainability Metric

Metrics category	Service levels	Functionality	Sustainability: service provider performance	Sustainability: service authority/technical assistance provider performance
<b>Minimum</b>	Access and continuity of supply	Water system physical condition (handpumps and piped systems)	Presence and limited performance assessment of service provider	Presence and limited performance assessment of service authority
<b>Basic</b>	Accessibility, availability, quality		Developed assessment of service provider performance	Developed assessment of service authority performance
<b>Advanced</b>	Affordability, reliability, user satisfaction		Performance optimization metrics	Performance optimization metrics

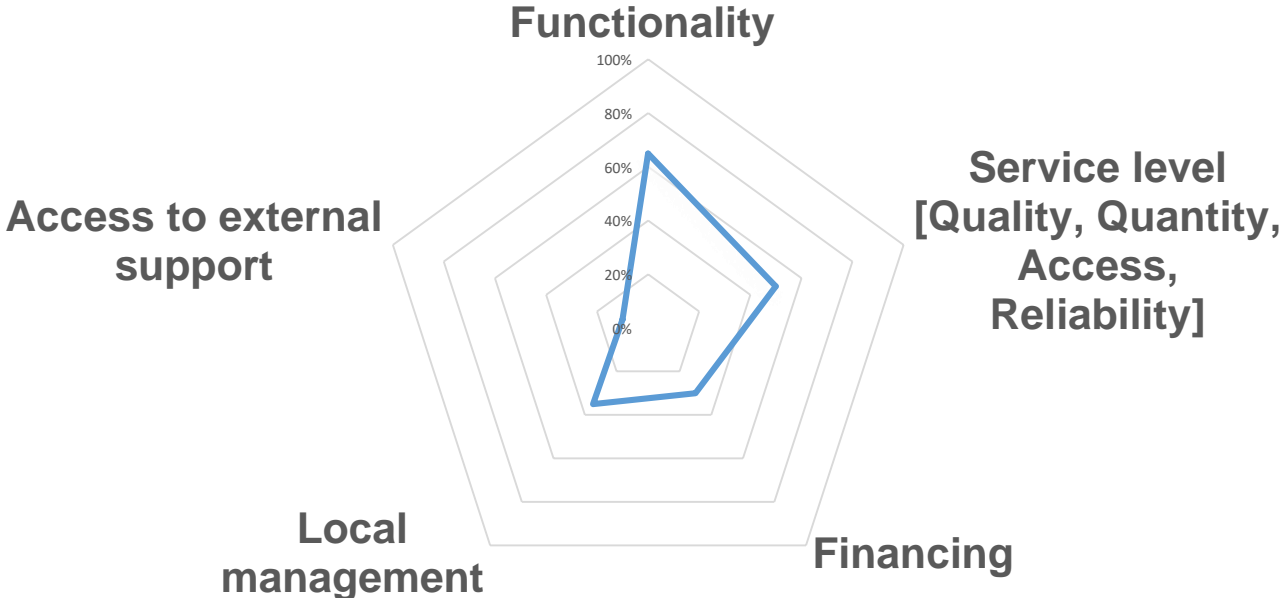
# Sustainability Monitoring - WaterAid

## Post Implementation Monitoring in 12 Countries



# Sustainability Monitoring- WaterAid

## Post Implementation Monitoring in 12 Countries



What do the results mean for?

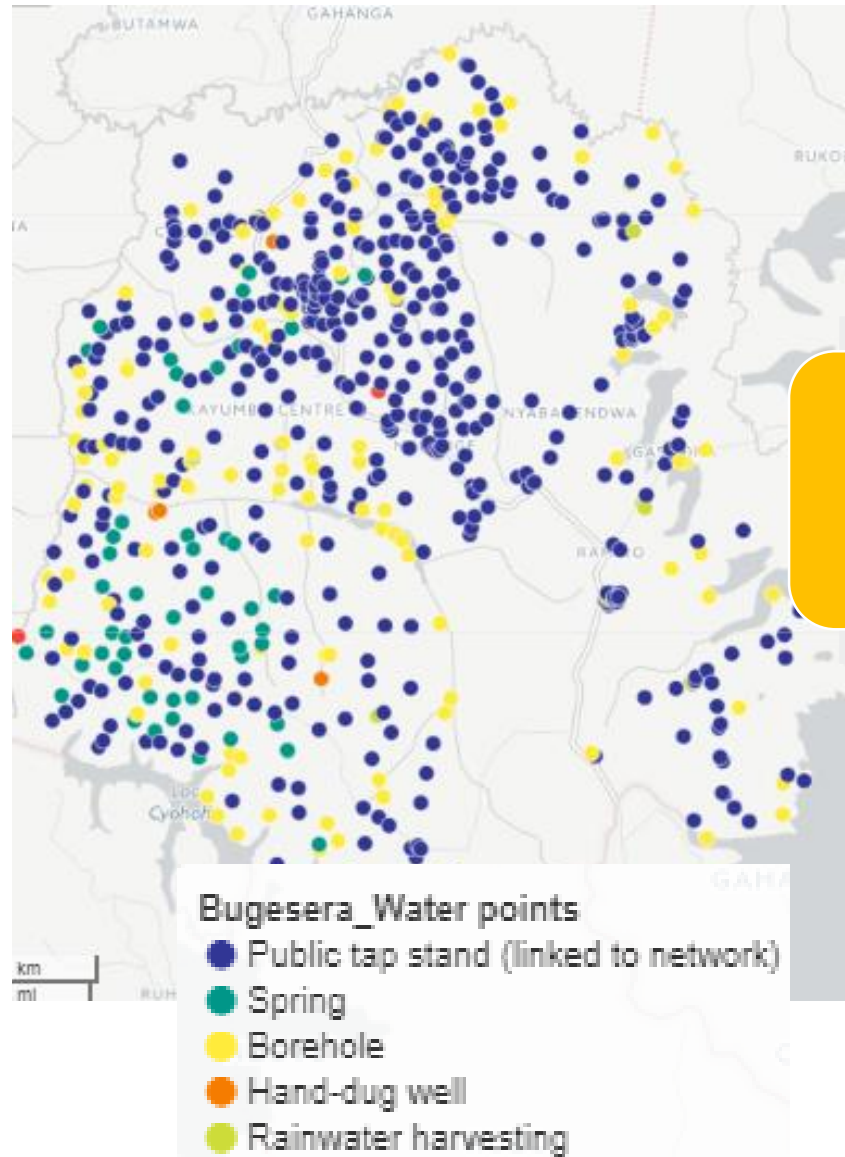


# Case Study

## Bugesera District – Rwanda



# Bugesera District – Rwanda



WPs  
Type

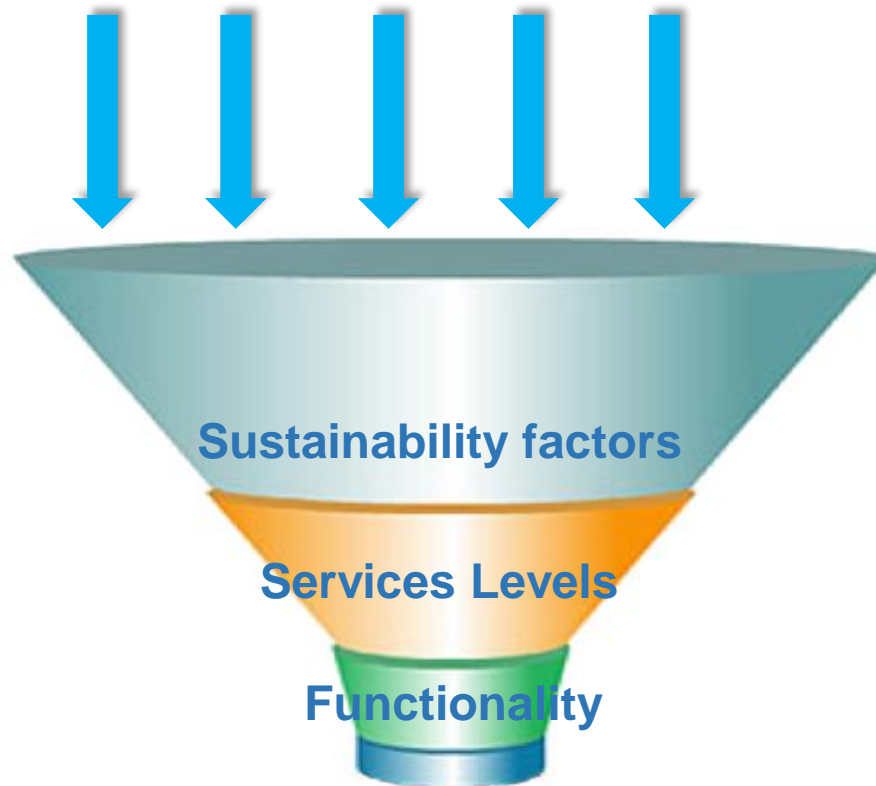
Service  
Levels

Sustainability  
Factors

# Bugesera District – Rwanda

MANY  
INDICATORS:

JMP    Ministry of  
Infrastructure    NGOs: WfP ,  
WaterAid ...



Core Harmonised  
Indicators

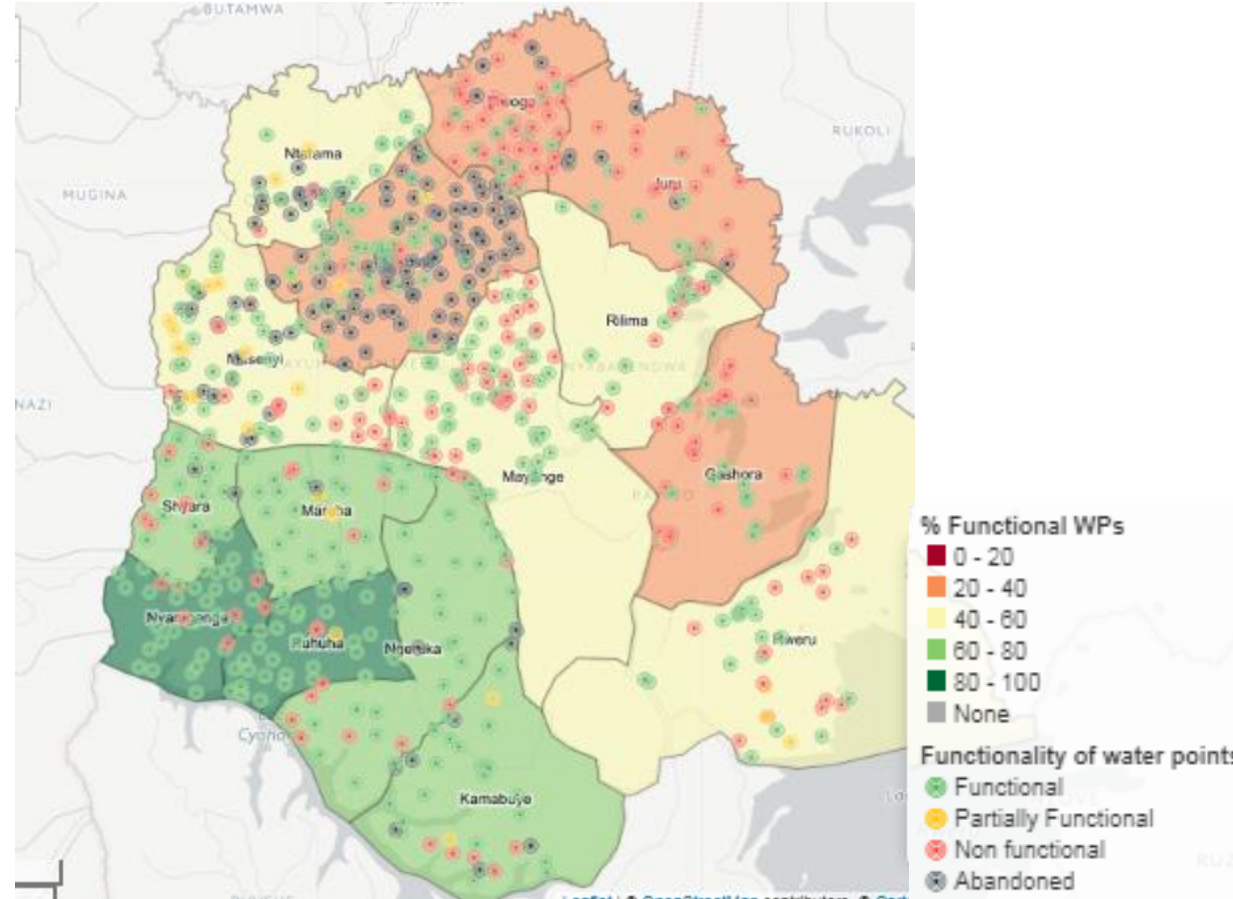


### Bugesera Local Government What information is needed? How would it be used?

<b>Functionality</b>		
<b>Service levels</b>	Quantity	Volumes water / hh
	Quality	Perceived + follow-up testing
	Reliability	N of days out of action
	Continuity of supply	<6/ 12 /18 Hours/ day
	Accessibility	Distance (30 minutes) + queuing time Accessibility with disability
	Crowding	N of users
<b>Sustainability factors</b>	Finance	Fees collection Fees management
	Management	Operators/ WUC activity
	Technical	External technical support availability Spare parts availability

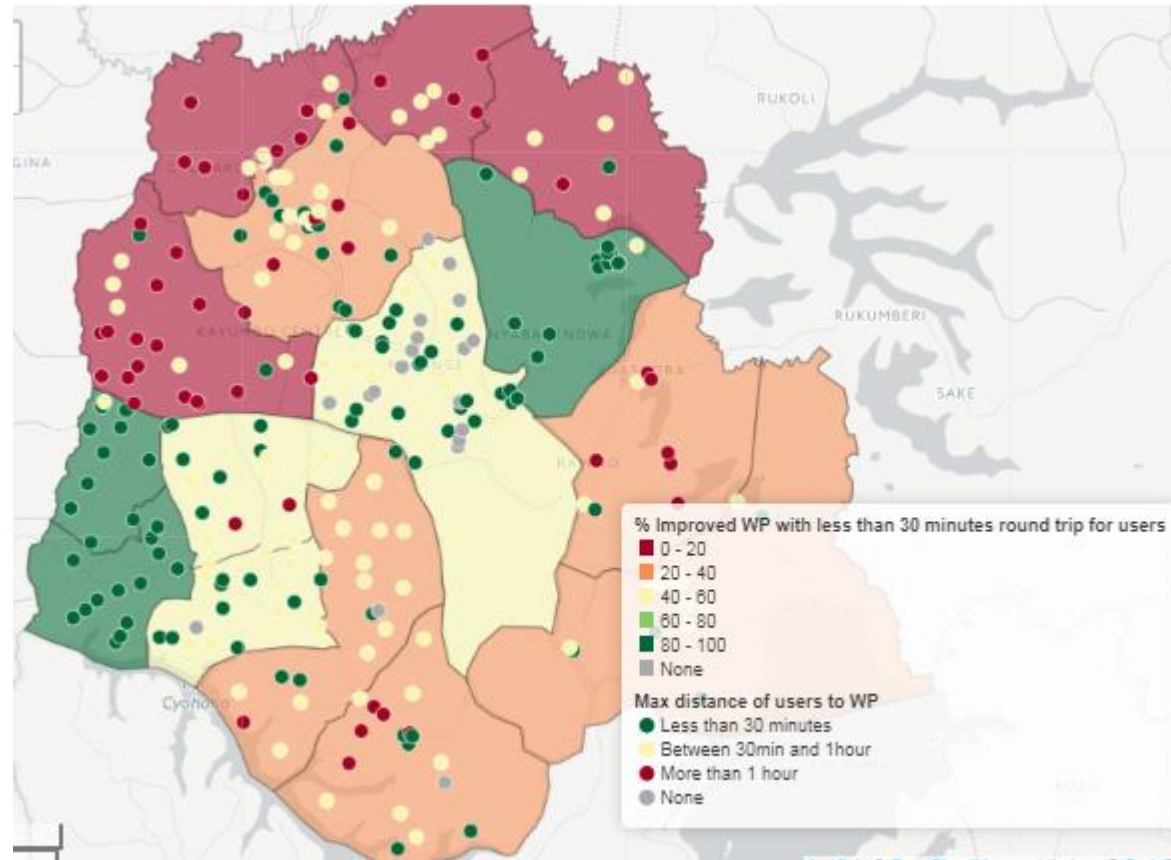
# Bugesera District – Rwanda

## Functionality



# Bugesera District – Rwanda

## Functionality + Accessibility



# Bugesera District – Rwanda

## Functionality + Service Levels

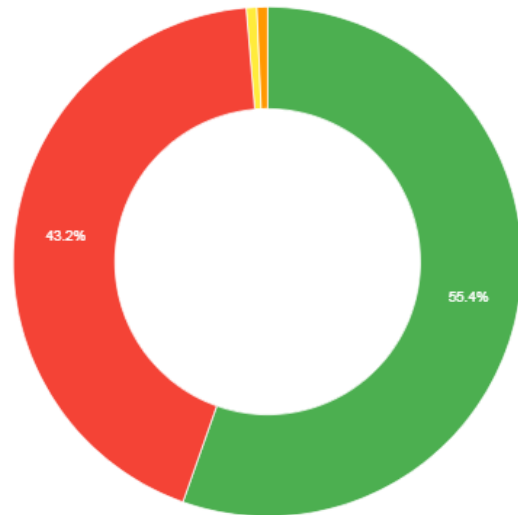
Service Level per Sub-District

	Number of Water Points	Functionality	Accessibility (<30 minutes)	Reliability	Continuity of supply	Water Quality	Non Crowding
Gashora	63	31%	59%	40%	33%	57%	85%
Juru	31	29%	51%	42%	42%	90%	100%
Kamabuye	36	61%	23%	0%	0%	61%	65%
Mareba	37	78%	35%	65%	50%	56%	59%
Mayange	83	59%	74%	42%	7%	20%	93%
Musenyi	77	41%	5%	80%	48%	80%	54%
Mwogo	59	23%	0%	22%	11%	64%	70%
Ngeruka	51	66%	20%	25%	26%	54%	77%
Ntarama	37	48%	15%	75%	42%	35%	91%
Nyamata	144	30%	34%	88%	43%	86%	67%
Nyarugenge	36	80%	73%	54%	47%	83%	91%
Rilima	38	51%	81%	0%	12%	73%	83%
Ruhuha	34	90%	42%	84%	56%	82%	61%
Rweru	36	55%	34%	13%	42%	30%	77%
Shyara	30	66%	69%	94%	58%	53%	83%
Summary	793	49%	40%	54%	35%	63%	76%

# Sustainability Factors

## FINANCE

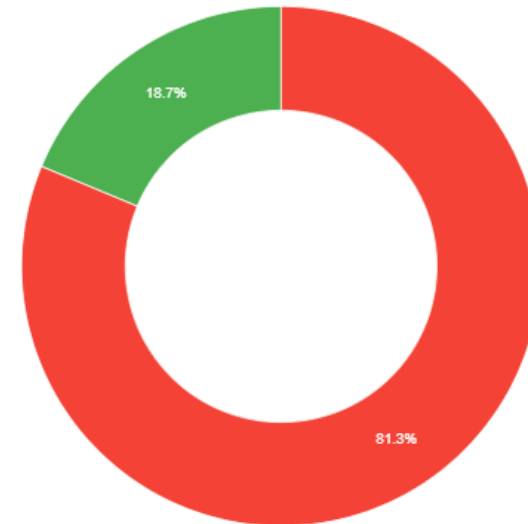
Users fee collection & management



■ Yes, as agreed ■ Yes, only when there is a breakdown  
■ Yes, but not as agreed ■ No

## TECHNICAL SUPPORT

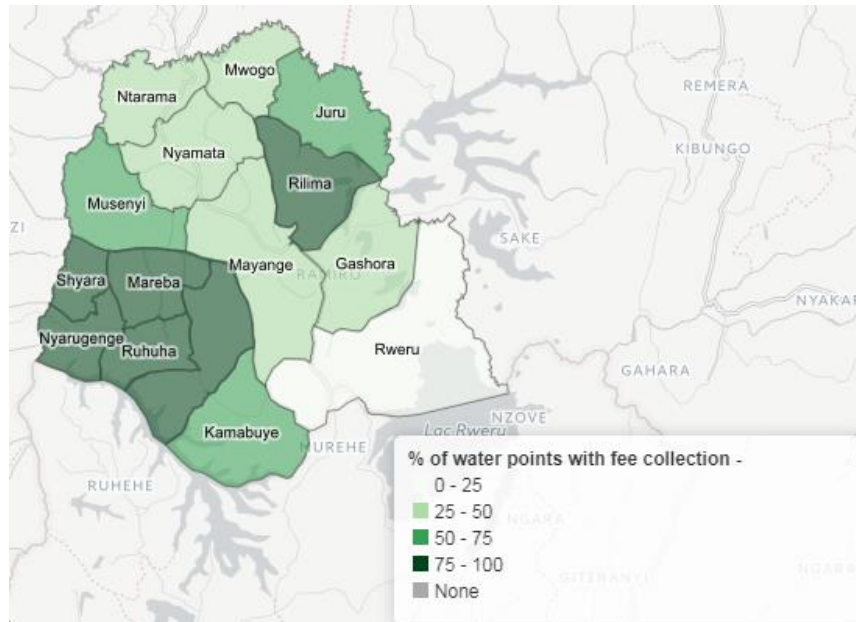
External technical support availability



■ Yes ■ No

## Sustainability Factors

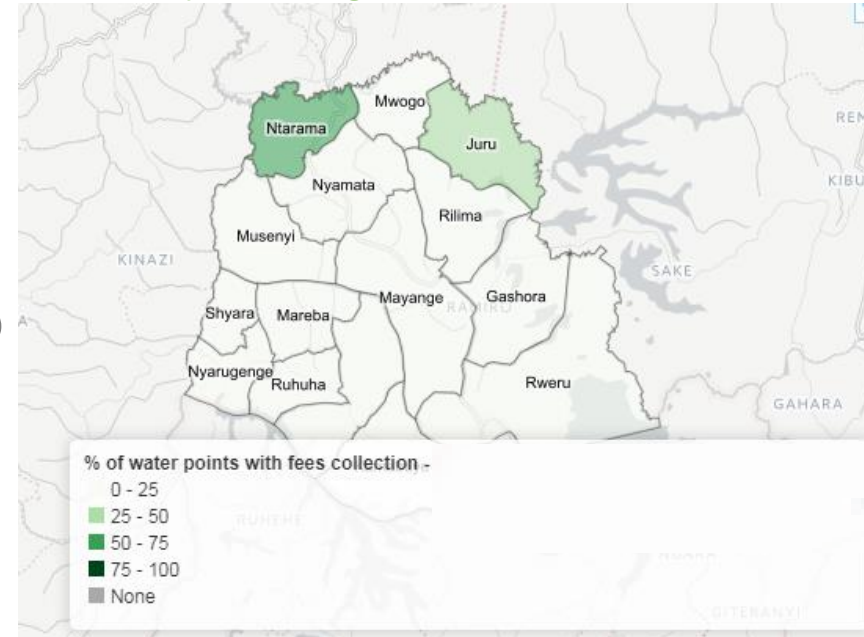
### Private operators /management



Piped systems

VS

### Community Management + external support



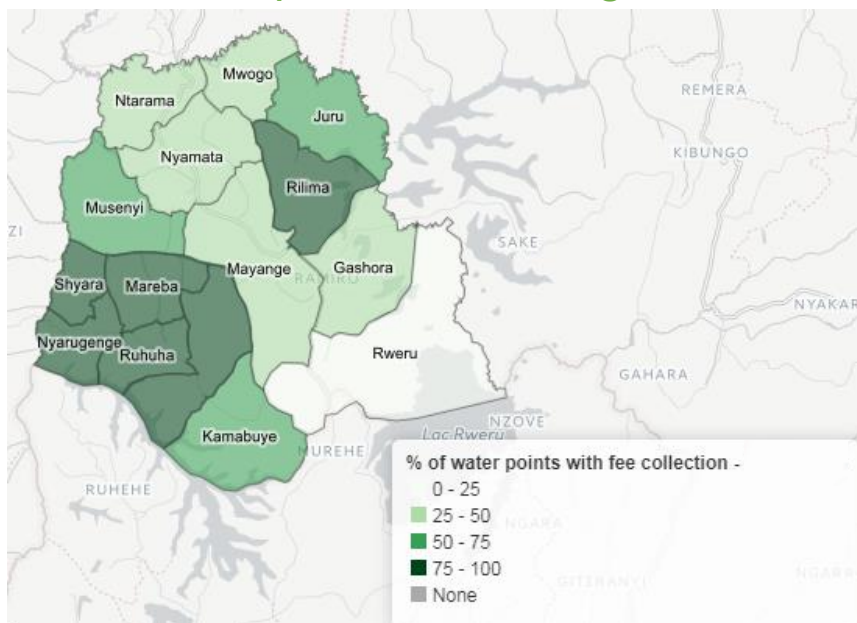
Boreholes, Hand-dug wells

# Bugesera District – Rwanda

## Sustainability Factors

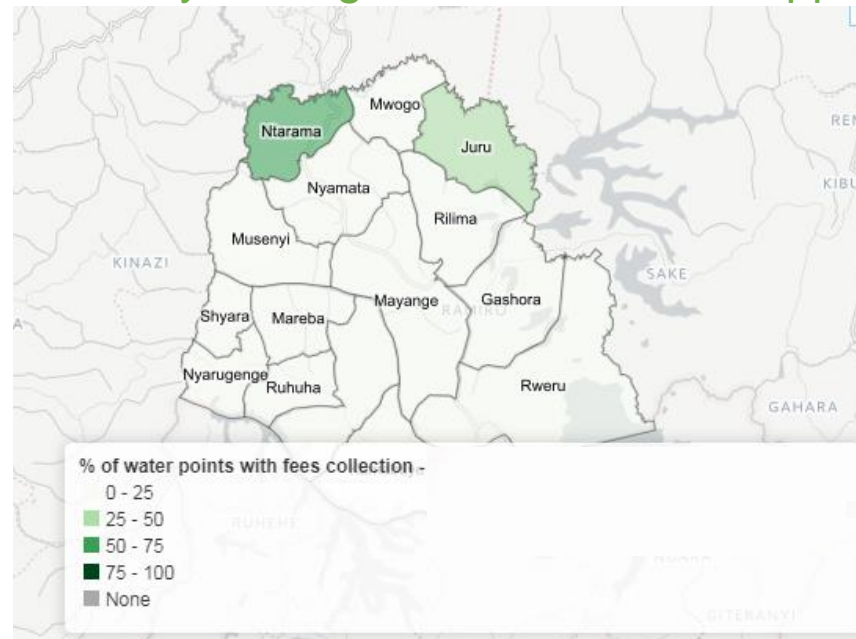


Private operators /management



Piped systems

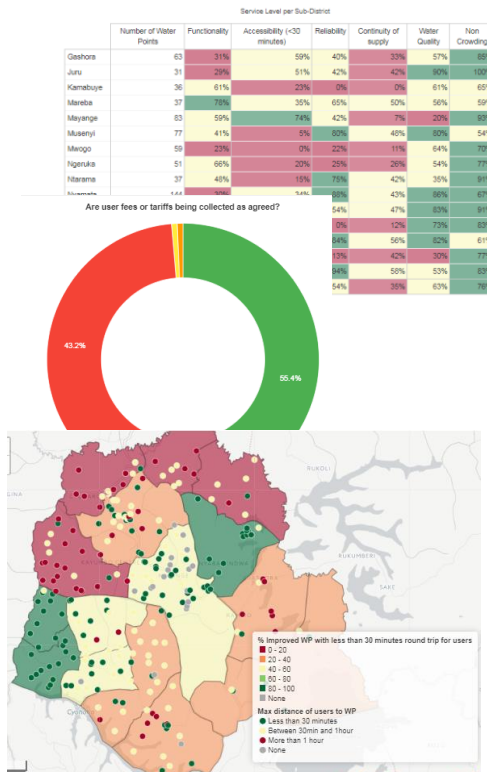
Community Management + external support



Boreholes, Hand-dug wells

VS

## Service Levels + Sustainability Monitoring allowed:

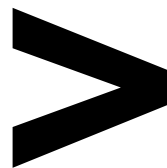


- Prioritisation for improved service provision
- Training & finance management capacity building to WUCs
- Planning – District Development Plan
- Services management models reviews





SDG 6.1

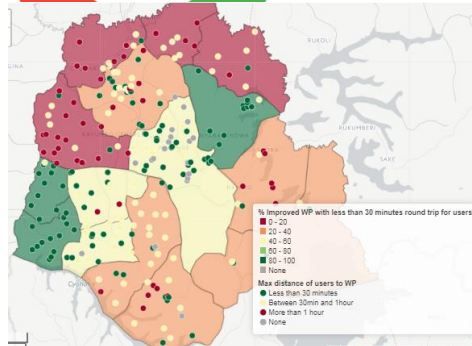
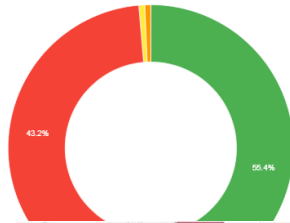


- Finance sustainability
- More on capacity of local service authority
- Regular monitoring & data analysis
- Data use & course correction

# Bugesera District – Rwanda

Service Level per Sub-District

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Nyamata	144	30%	34%	69%	43%	56%	67%
			42%		47%	63%	91%
Are user fees or tariffs being collected as agreed?					52%	77%	80%
					56%	62%	61%
					42%	30%	77%
					56%	53%	83%
					38%	63%	76%



Less is More!

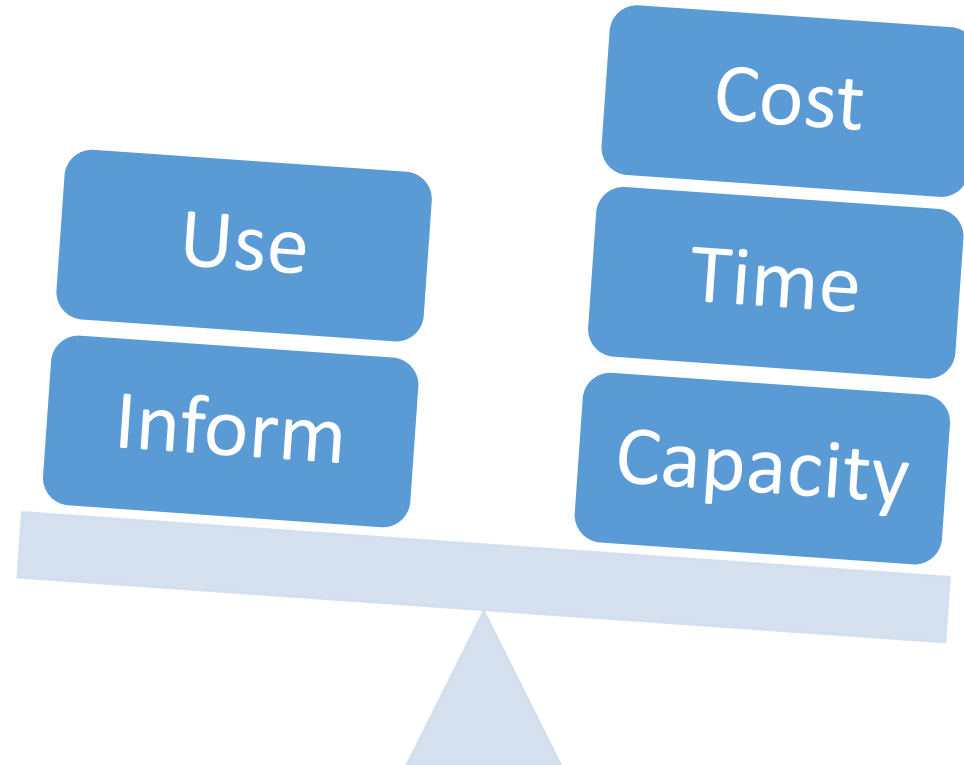
## Bugesera District – Rwanda



- Simplified indicators
- Regular monitoring process building on existing information flow
- Adoption of ICT at the right level

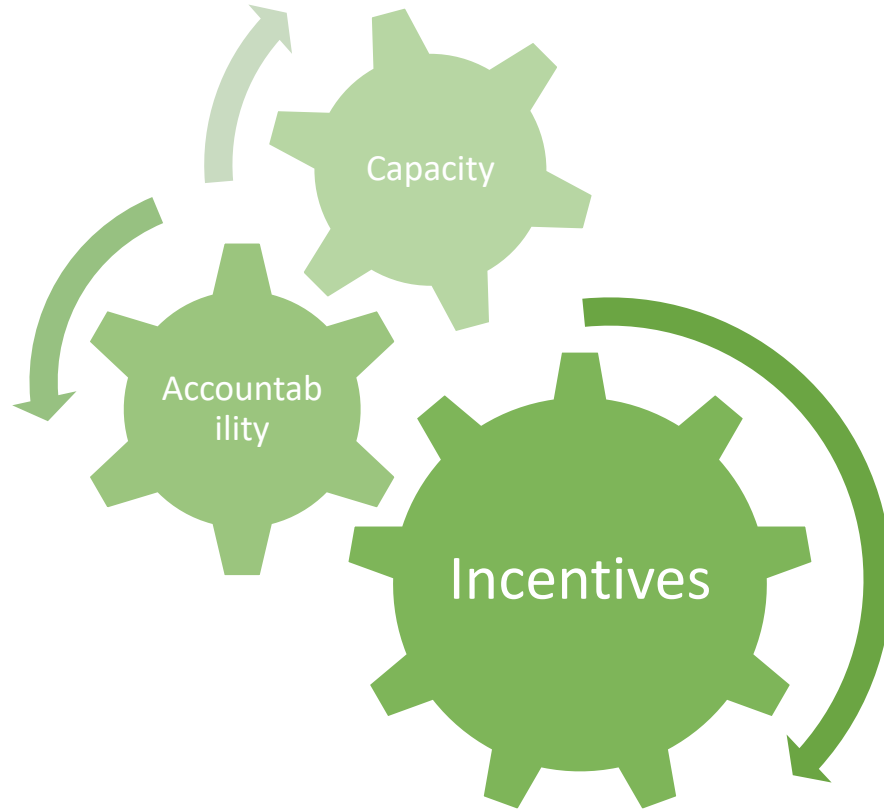
## Bugesera District – Key Lessons

Need to balance



### Need to **INSTITUTIONALISE & INCENTIVISE MONITORING** of

- Functionality
- Service Levels
- Sustainability



# Lessons from sustainability monitoring at district level

## Rwanda – Bugesera District

30<sup>th</sup> August 2017

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