

Use of Aquarating Recommendations @SOMAGEP-SA, Mali

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Summary

1. Context
2. WaterWorX (WWX)
3. AquaRating Results
4. AquaRating Recommendations
5. Advantages vs Disadvantages
6. Conclusions Remarks

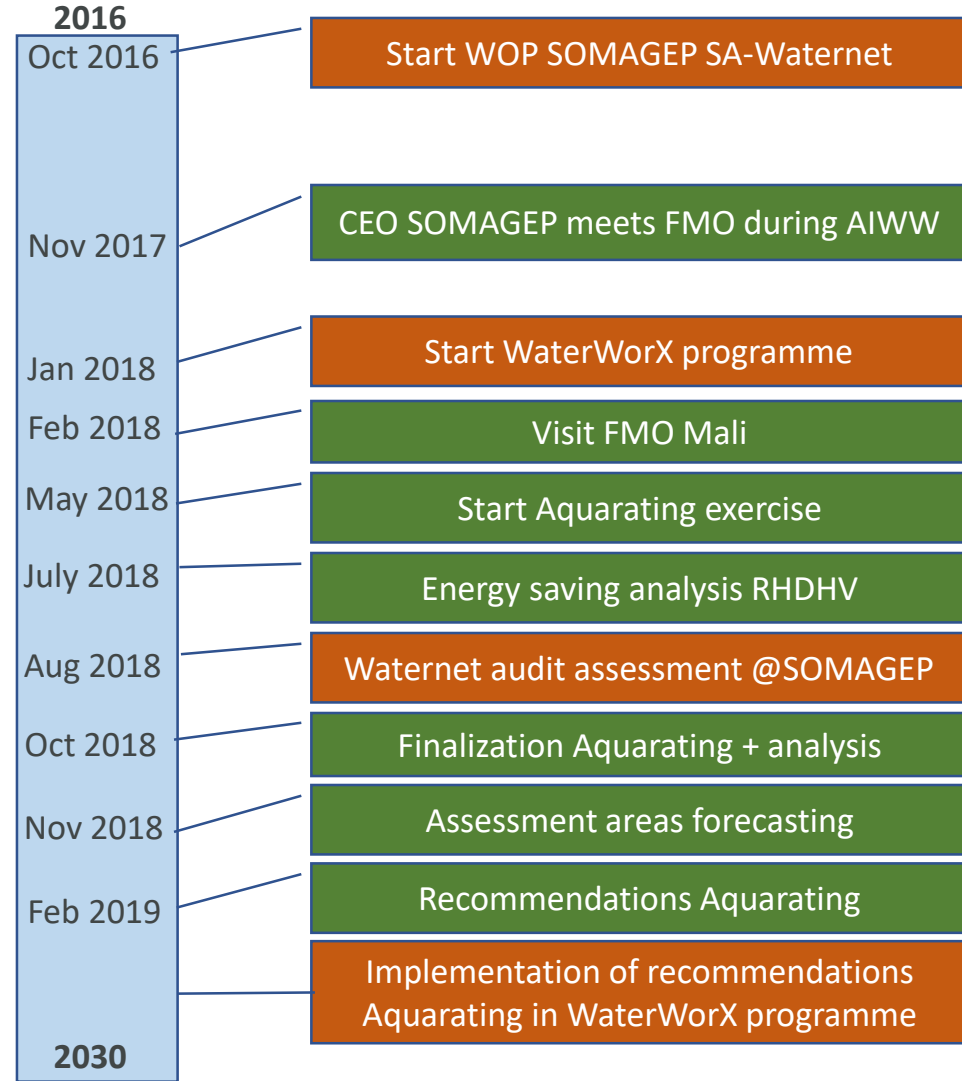
Context



PUBLIC DRINKING WATER UTILITY:

- ✓ PRODUCTION
- ✓ DISTRIBUTION
- ✓ CUSTOMER SERVICE

2018:
+ 4 MILLION CLIENTS
+110 MILLION M³ WATER/YEAR
+ 1400 EMPLOYEES





water for 10 million people

WaterWorX aims to increase sustainable access to drinking water and sanitation to 10 million people in 2030

24 Water operators' partnerships (WOP) with 10 dutch drinking water companies



IMPACT: SDG 6: Ensure availability and sustainable management of water and sanitation for all by 2030

Long term objective: Sustainable management of the drinking water supply

1. People & Organisation

Overall Outcome WP1

Utilities have institutionalized and plan, budget, implement and monitor for transparent, equitable sustainable services

2. Water

Overall Outcome WP2

-Utility clients have improved sustainable and equitable access to clean drinking water and sanitation
-Availability of water forecosystems

3. Finance

Overall Outcome WP3

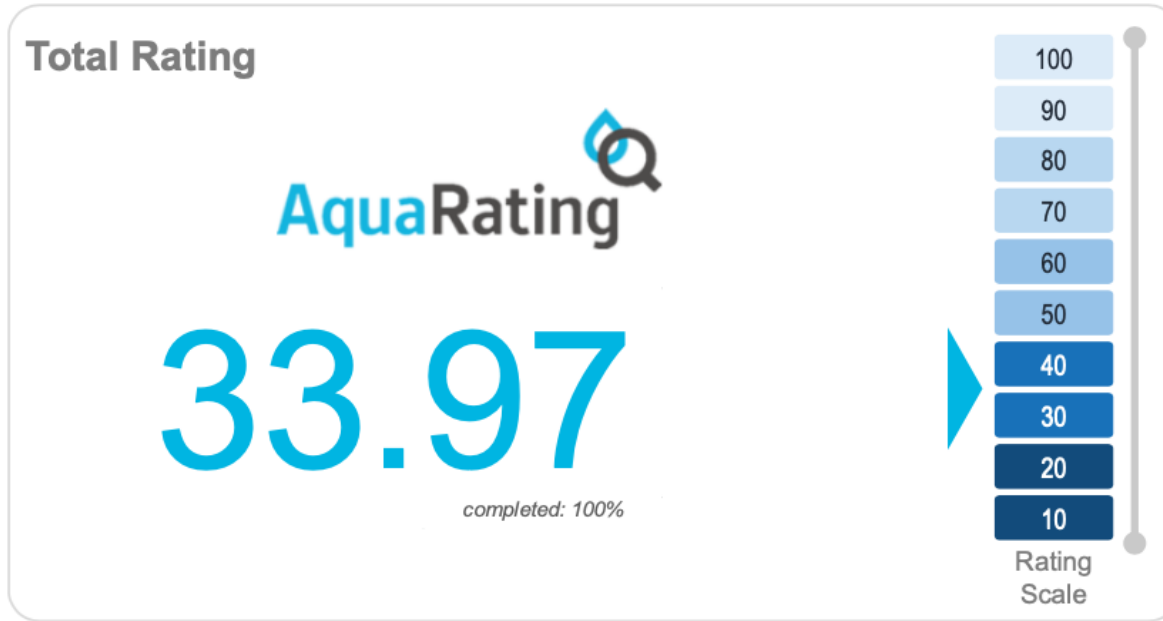
-Utilities access increased levels of (investment) finance.
-Utilities become financially sustainable

4. Enabling environment

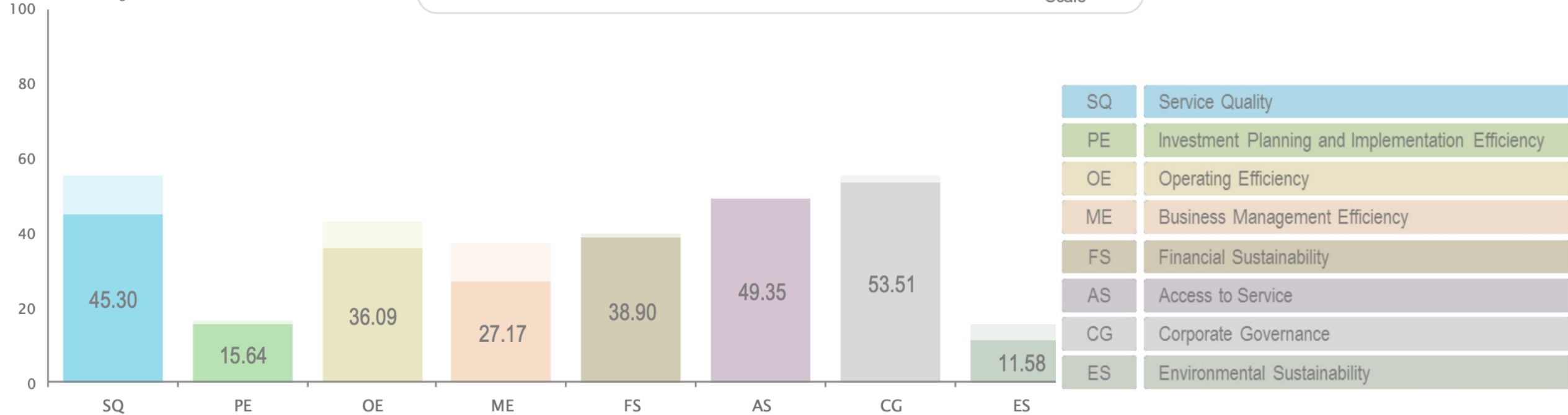
Overall Outcome WP4

The policy, regulatory and institutional frameworks are more conducive for sustainable, equitable and transparent drinking water supply.

AquaRating @ SOMAGEP results




RATING
Gross and net rating contribution



AquaRating @ SOMAGEP results

- Recommendations while doing the assessment
- Assessment itself caused changes
- No energy efficiency loan from FMO but maybe second phase
- Use of recommendations within WaterWorX programme
- Request for second Aquarating assessment after WaterWorX phase I (2022)
- Status WWX presentation ToC workshop with recommendations Aquarating and votes



Non Revenue Water		
E Q U I P E	Souleymane SOW	Aboubacar DIALLO
	Ousmane MARICO	Ali ou TRAORE
	Mariam Diabaté KEITA	Gaoussou MAIGA
	El Mehdy DICKO	Thierno Amadou SISSOKO
	Hamidou MAIGA	Aminata Sanaga KANTE
		Waternet: Ralf de Groot
Activités	Réalisées	Recommandations Aquarating
Evaluation du niveau de NRW	Formation en Ouganda Visite de l'expert (Ralf) Données EasyCalc Formation EasyCalc IWA	1. Un plan global de réduction des fuites devrait être élaboré (feuille de route de NRW) (7) 2. Utiliser la balance d'eau IWA (EasyCalc) (3) 3. Nouveau système de gestion intégré basé sur le SIG avec les réclamations clients, les paiements, et les compteurs (3) 4. Toutes les zones couvertes par des compteurs (2) 5. Améliorer les procédures de lecture et d'enregistrement des compteurs et garantir leur qualité (3)
DMA pilote	DMA choisi à Faso Kanu Feuille de route pour DMA Commande de matériels	
Comparaison	Comparaison Baco-Djikoroni et Faso Kanu 2021	
Feuille de route pour le future	2021	

Use of recommendations

IWA water balance

- EasyCalc training by IWA arranged by WWX + IWA

Ethical code

- SOMAGEP-SA ethical code was 2016 -> Update, diffusion and implementation by WWX (Mission, Workshops, etc.)

Water Balance in m3/day

System Input Volume 0 m3/day Error Margin [+/-]: 0,0%	Authorised Consumption 0 m3/day Error Margin [+/-]: 0,0%	Billed Authorised Consumption 0 m3/day	Billed Metered Consumption 0 m3/day	Revenue Water 0 m3/day	
			Billed Unmetered Consumption 0 m3/day		
		Unbilled Authorised Consumption 0 m3/day Error Margin [+/-]: 0,0%	Unbilled Metered Consumption 0 m3/day Error Margin [+/-]: 0,0%	Unbilled Unmetered Consumption 0 m3/day Error Margin [+/-]: 0,0%	Non-Revenue Water 0 m3/day Error Margin [+/-]: 0,0%
	Water Losses 0 m3/day Error Margin [+/-]: 0,0%	Real Losses 0 m3/day Error Margin [+/-]: 0,0%			



Use of recommendations

ISO certifications

- Customer Survey (AquaRating)
→ WWX → ISO 9001 SOMAGEP-SA
- ISO 17025 → WWX → in line with AquaRating



Strategic plan (Need for pluriannuel strategic plan)

- Consultant with SOMAGEP/SOMAPEP and other stakeholders → WWX for implementation



Advantages vs. disadvantages of AquaRating @SOMAGEP

Advantages

- Gathering of important documents
- Identification of areas of improvement
- Full assessment on all aspects
- Best practices inspire
- Eager to make small changes to perform better
- Assessing bankability
- Trans-directional assessment
- Recommendations used for WaterWorX programme implementation

Disadvantages

- Translation to French
- Strict audit disappointed SOMAGEP employees in the score (not approved procedures have been rejected)
- Uploading some heavy document several times with slow internet -> time
- Usage of European standards, not African
- Because of separate asset owner and no sanitation, couldn't answer all questions

Concluding remarks

- AquaRating is an interesting tool to:
 - structure a loan
 - evaluate the utility
 - determine areas of improvement
- Though very time-consuming
- It fits well in the WaterWorX programme
- World Waternet adapted the Aquarating framework to make a quick first scan



Aw ni ce
Thank You
Merci!



water for 10 million people