

**Spatial and Seasonal Drinking Water Quality Assessment in a Sub-Saharan Country (Guinea-Bissau)**

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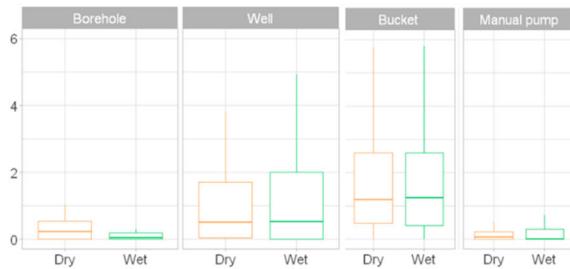
**Table S1** – Number of water sources surveyed according to the water collection system.

Water retrieve system	Water Source Type	
	Well	Borehole
Bucket	122	-
Manual pump	72	4
Solar / Electric pump	9	23
Mix (bucket / pump)	13	4
Faucet	-	4

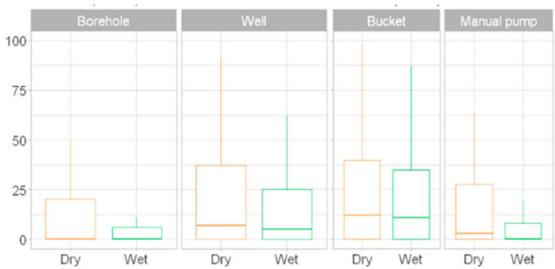


**Figure S1** – Example of typical water sources surveyed across Guinea-Bissau with the respective method used to retrieve water. A – Rural shallow well; B - Well fitted with a bucket; C – Well fitted with a manual pump; D - Well fitted with a foot pump; E - Well fitted with bucket and manual pump (mixed well); F - Borehole fitted with an electric pump and distribution system with faucets.

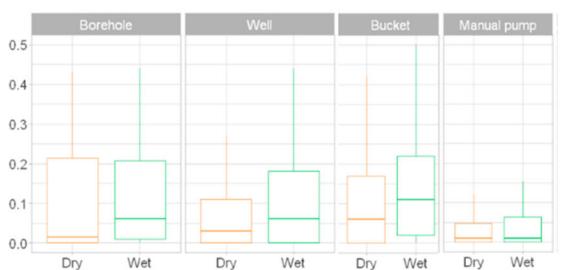
### Turbidity (NTU)



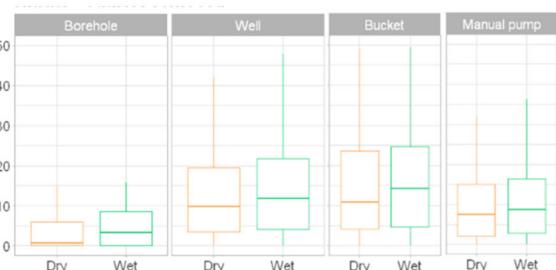
### Color (PtCo)



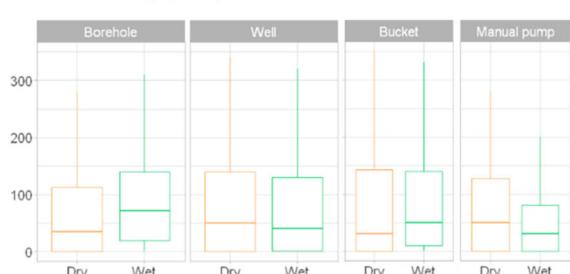
### Ammonium (mg NH<sub>4</sub> / L)



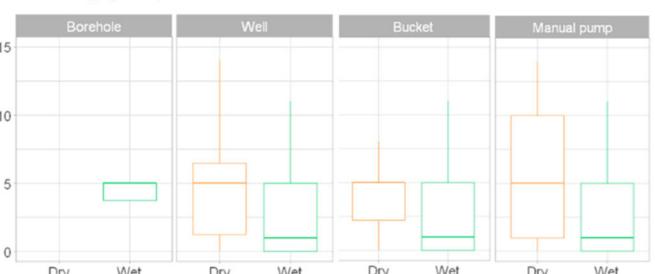
### Nitrate (mg NO<sub>3</sub> / L)



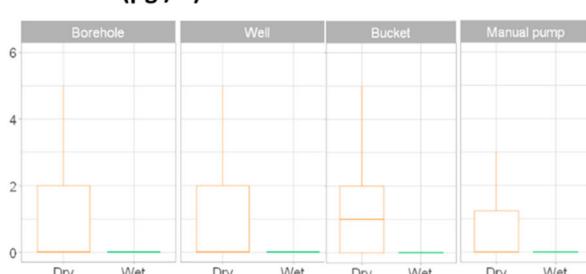
### Aluminium ( $\mu\text{g} / \text{L}$ )



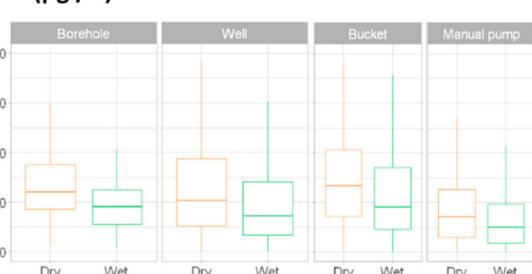
### Arsenic ( $\mu\text{g} / \text{L}$ )



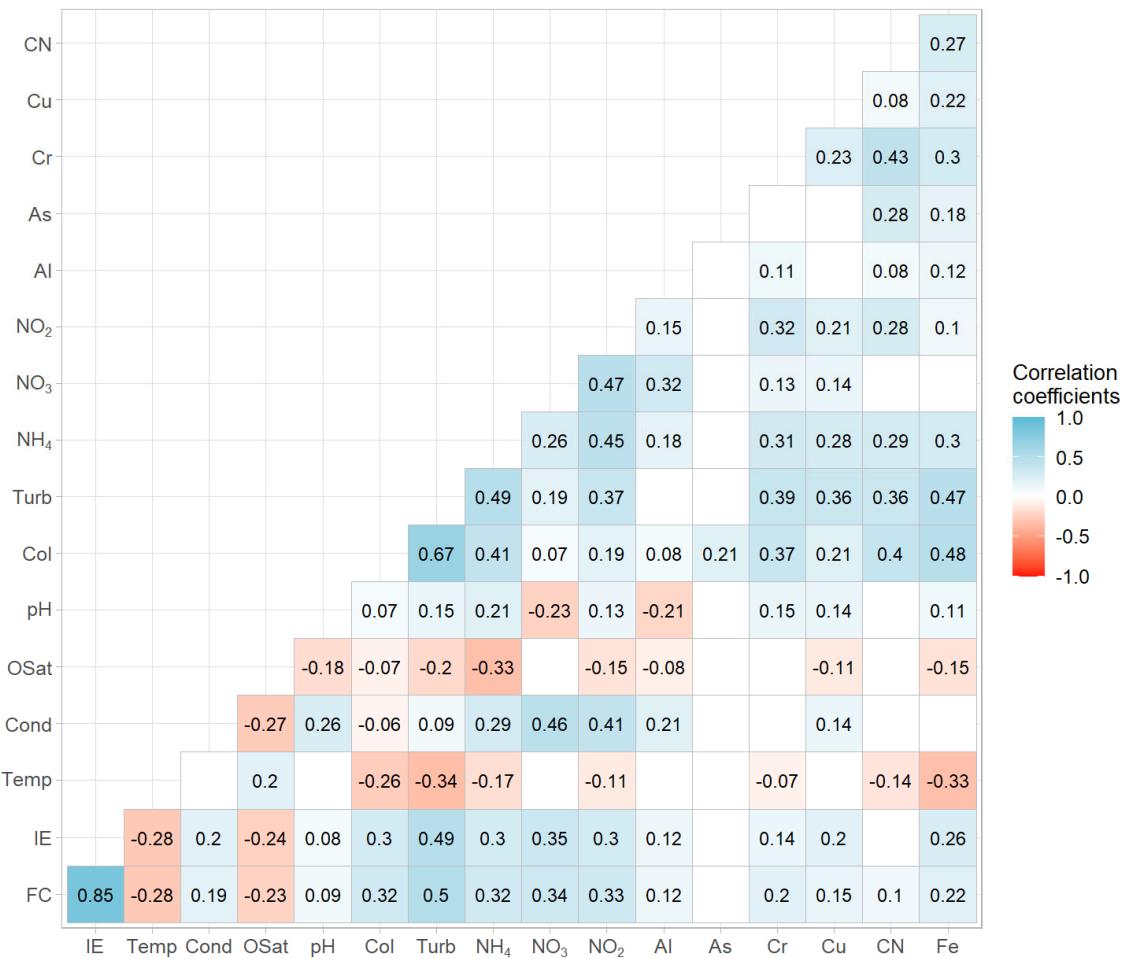
### Chromium ( $\mu\text{g} / \text{L}$ )



### Iron ( $\mu\text{g} / \text{L}$ )



**Figure S2 – Variation of key water quality parameters according to source type and method of water collection.**



**Figure S3.** Matrix of Spearman correlations between the physical-chemical quality parameters of the water sources across Guinea-Bissau. All correlations shown are significant at p<0.05. Temp – temperature; Cond – conductivity; OSat – oxygen saturation; Col – color; Turb – turbidity; NH<sub>4</sub> – ammonium; NO<sub>3</sub> – nitrate; NO<sub>2</sub> – nitrite; Al – aluminum; As – arsenic; Cr – chromium; Cu – copper; CN – cyanide; Fe - iron.