

Scenario

- Surface water quality declines across Sub-Saharan Africa
- South African river water poor microbiological quality
- Full-contact irrigation of RTE produce by small-scale farmers
 - River water easily contaminated with pathogens
 - Possible transfer of bacterial pathogens to RTE produce
- Compromised food safety
- Aim: To assess the suitability of the river water for full-contact irrigation of RTE fresh produce







Results				
Physico- chemical parameters (min-max ranges)	SEASONS			
	Spring 2022	Summer 2022/23	Autumn 2023	Winter 2023
рН	7.01 - 7.50	7.03 - 7.49	7.18 - 7.38	7.11 - 7.21
Temp	19.7 – 23.6	20.1 - 25.7	19.5 – 22.1	13.7 – 18.1
COD (mg/L)	13 – 27	30–46	10-40	15 - 21









