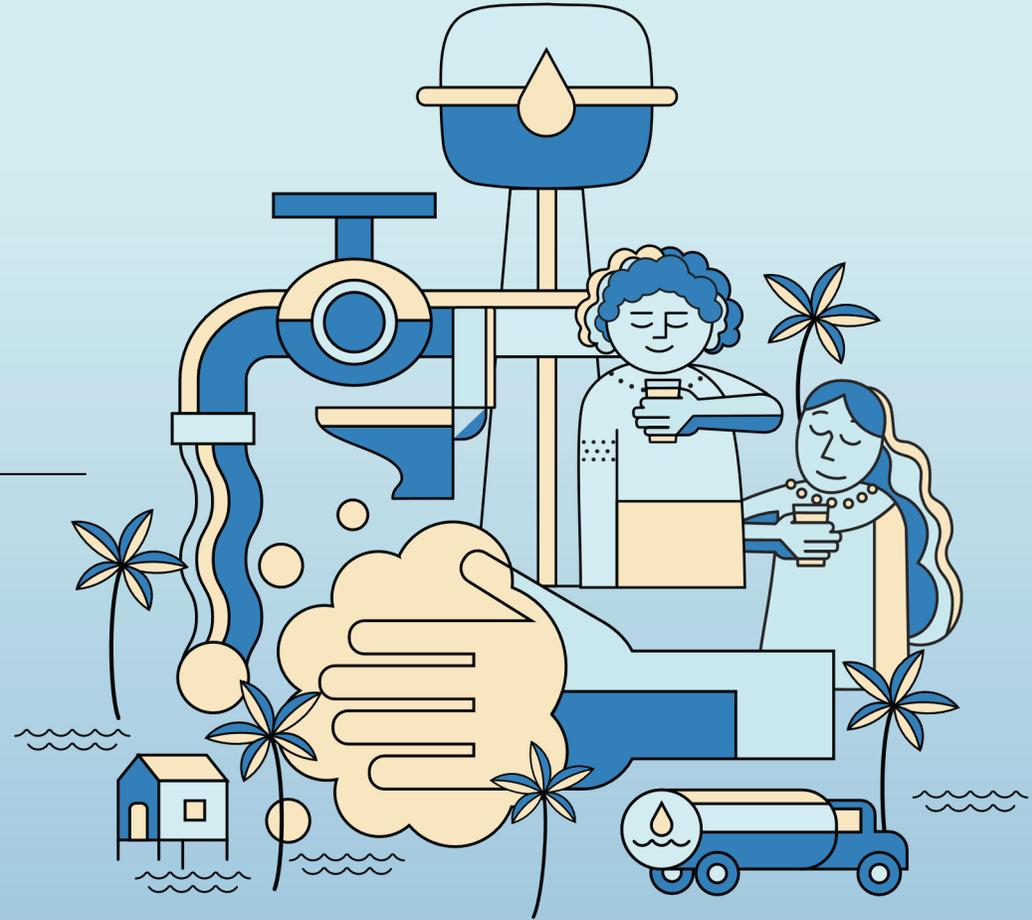


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Pacific WASH

WEBINARS



ADB



We will begin shortly.
Participants, kindly note the following for this seminar

Please rename your Zoom name to:

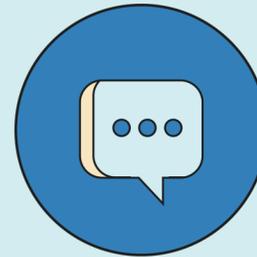
Name, Org or Project
(e.g. Las Fernando, ADB)



**Please turn your mic off
during the presentation**



**Raise hand
when you want to talk**



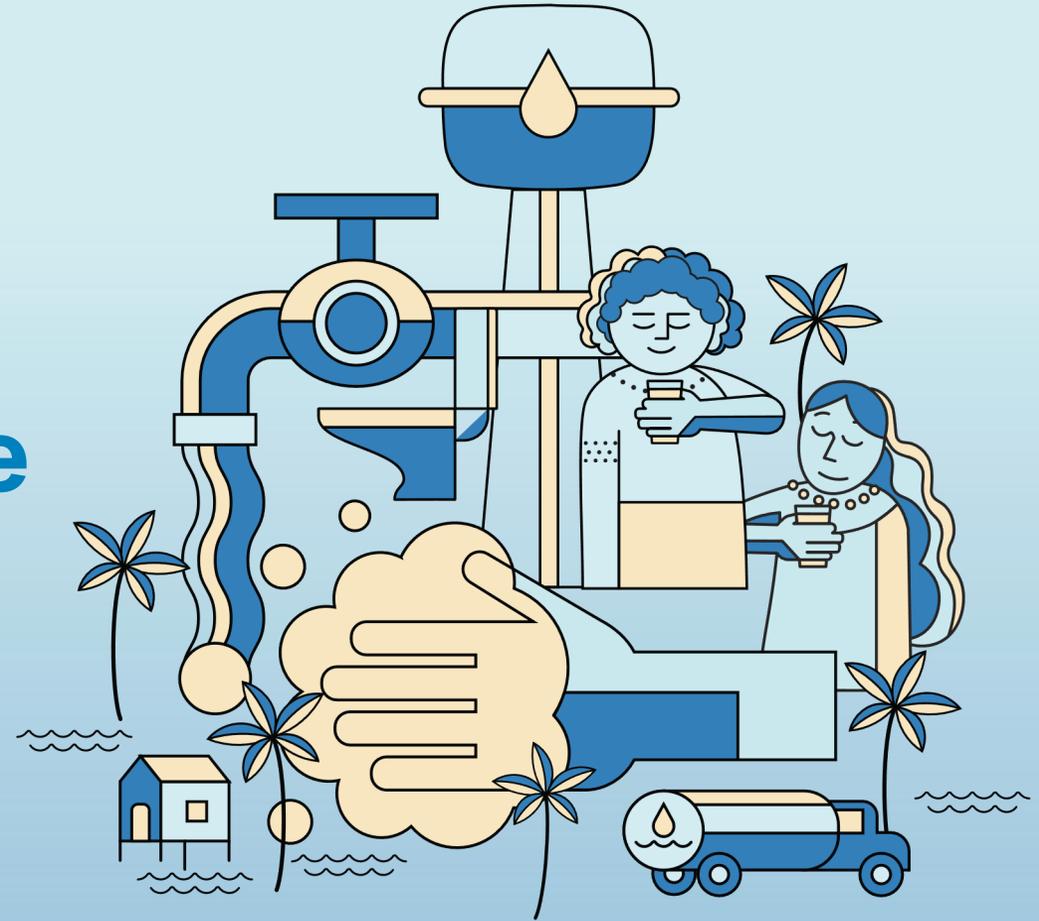
**Use the chat box
for questions/concerns**



**We have a Q&A portion
after the presentation**

Groundwater Assessments for Planning and Resilience

17 May 2023



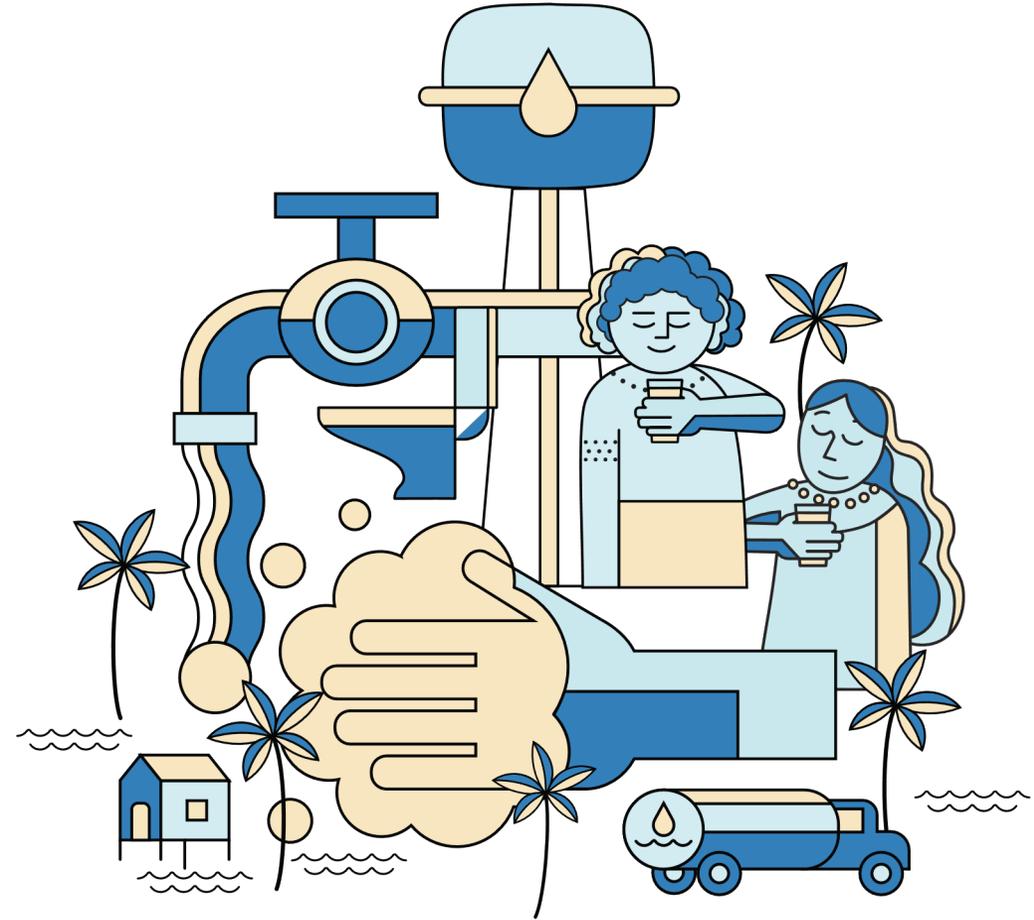
Webinar schedule

Time (ADST)	Speaker
11.00am	Welcome – Bronwyn Powell , Team Leader & WASH Advisor, ADB
11.05am	Opening Remarks – Hideaki Iwasaki , DDG ADB Pacific Department & Dominic Schwalger , PWWA Deputy Chairperson
11.15am	Presentations: <ol style="list-style-type: none">1. Edkarl Galing – Urban Development Specialist, ADB2. Dominic Schwalger (CEO, Samoa Water Authority) & Sharon Lesa (Wastewater Division Engineer, Samoa Water Authority)3. Sebastian Tomausi (Manager, Infrastructure Planning, Water PNG Ltd.) & Reynar Rollan (Hydrogeologist, ADB Consultant)
12.00pm	Q&A session
12.25pm	Closing, poll and group photo



**Welcome from Asian
Development Bank
Pacific Department
Deputy Director
General**

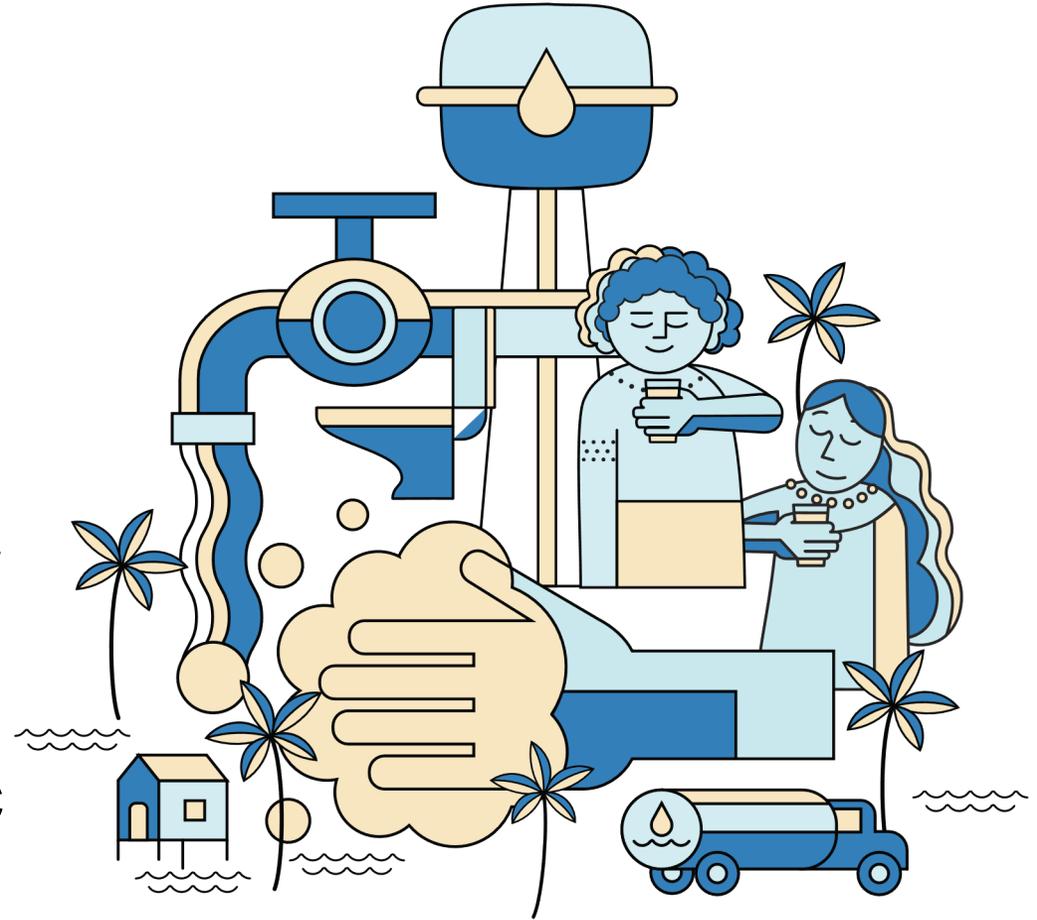
Hideaki Iwasaki





**Welcome from Pacific
Water and Wastewater
Association
Deputy Chairperson &
Samoa Water Authority
CEO**

**Fuimaono Dominic
Schwalger**



Introducing the Speakers



Edkarl Galing
Urban Development Specialist
Asian Development Bank



Dominic Schwalger
CEO
Samoa Water Authority



Sharon Lesa
Wastewater Division Engineer
Samoa Water Authority



Sebastian Tomausi
Manager, Infrastructure Planning
Water PNG Ltd.



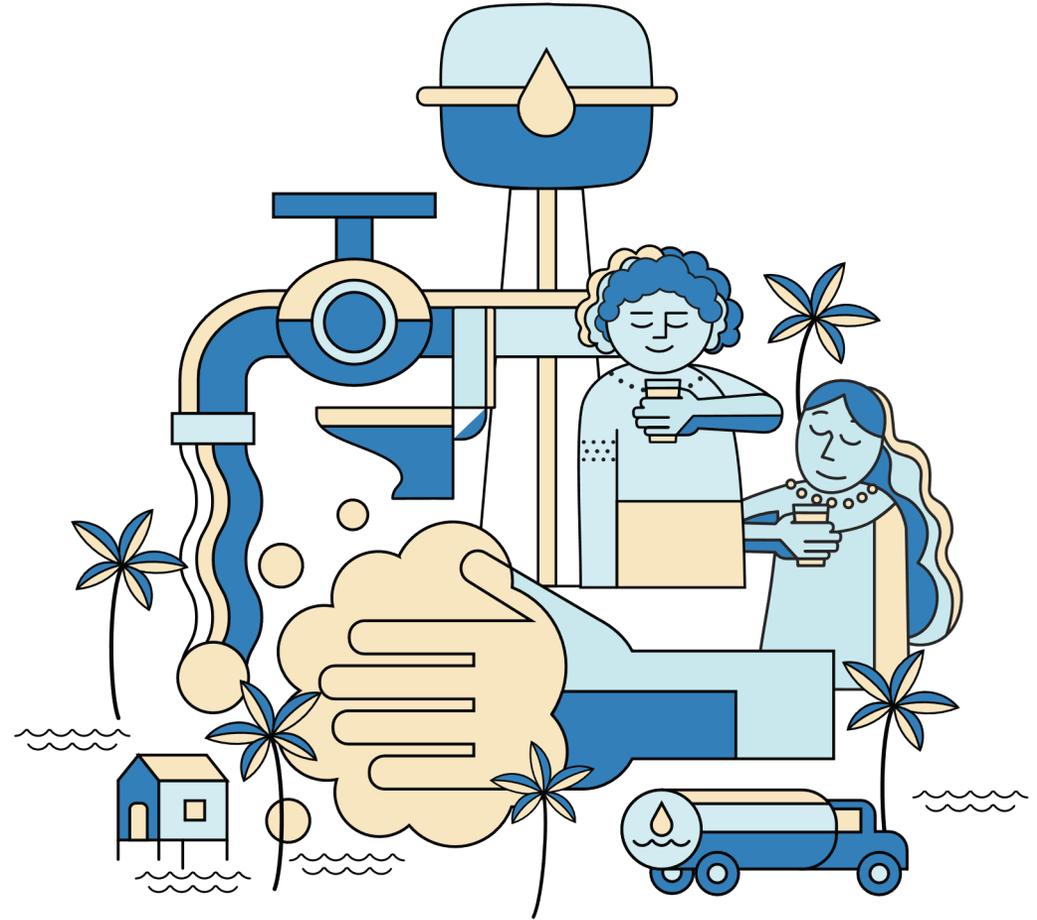
Reynar Rollan
Hydrogeologist
ADB Consultant



Bronwyn Powell - Facilitator
Team Leader & WASH Advisor
Asian Development Bank

Introduction to webinar

Edkarl Galing



TOP STORIES

Water Shortage A Concern

Water Shortage Continues To Affect Communities In The Moresby South Electorate, In The Nations Capital This Festive Season.



Residents in PNG's capital Port Moresby have been without a constant water supply for days



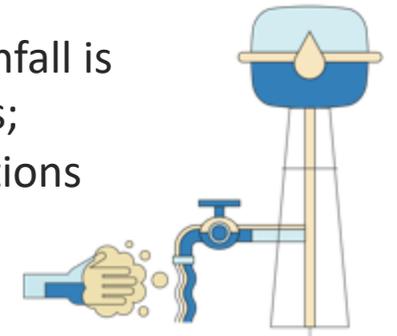
Low water levels affecting reservoirs and hydropower-plant

SAMOA



One of the rivers in Upolu which had been dried up due to drought (Photo: Supplied)

Prolonged dry season and low rainfall is affecting water levels in reservoirs; reduced hydropower plant operations (18% of electricity generation)



Impacts of Climate Change on Pacific Island Countries

Decline in precipitation (drought)
Change in rainfall patterns
Changes in temperature



Decline in groundwater recharge
and groundwater potential



Decline in well & spring production
Saltwater intrusion

Tropical cyclones
Floods
Landslides



Damage to water supply network
Flooding & contamination of wells/well fields
Inundation of coastal well fields
Inland wells & springs damaged by landslides



Limited availability of water
Decline in water quality

Some points to ponder

1. What to do when there's little water? (securing urban water supply)
2. Where do I begin? (gathering the information you need)
3. How do I make use of data? (practicing evidence-based planning)
4. Where do I invest my resources? (doing the balancing act)
5. When is the best time to act? (thinking of future conditions)

