



Pacific  
Community  

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Communauté  
du Pacifique



Climate and disaster resilience of water-challenged Pacific island communities

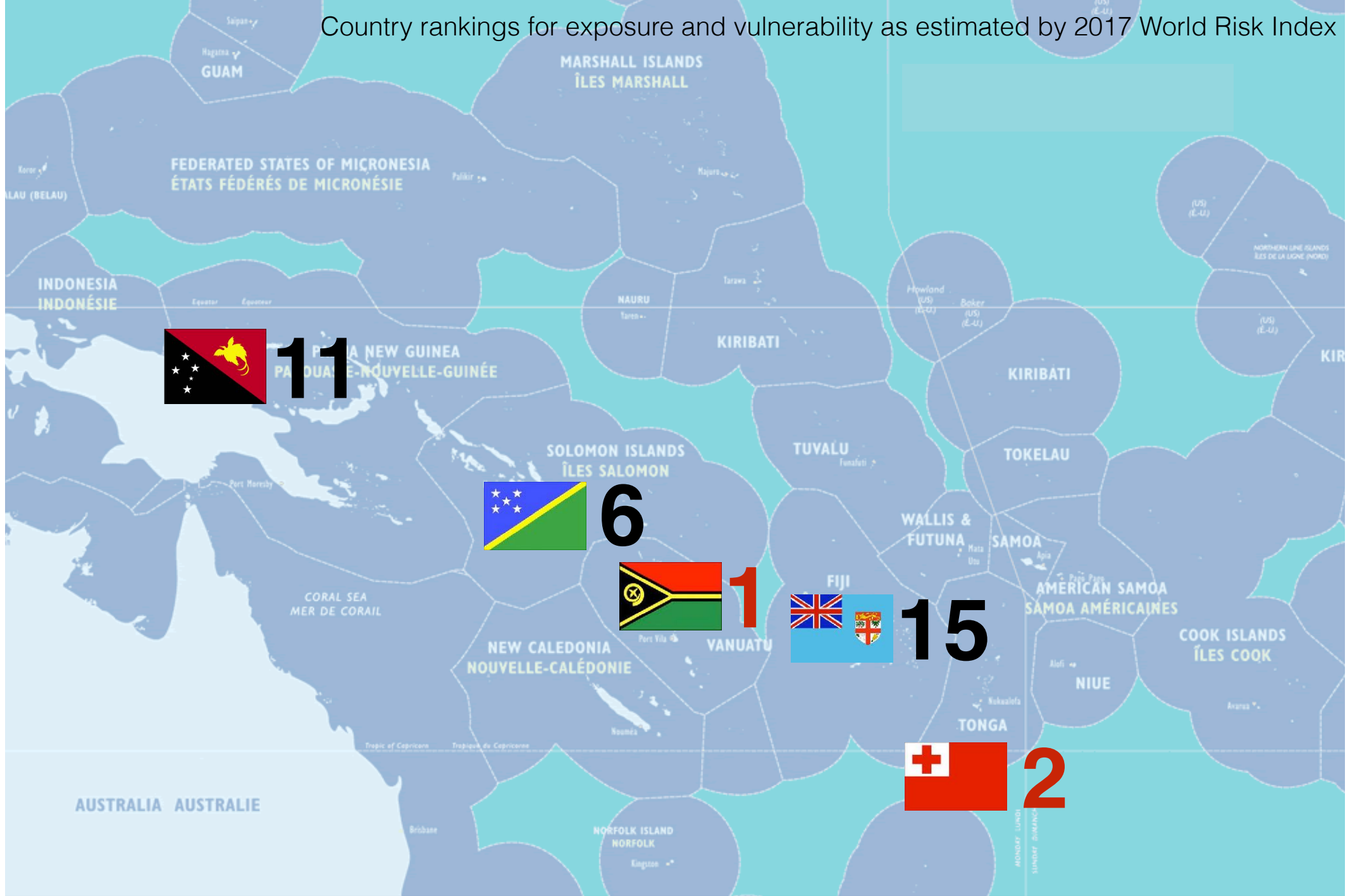


# 22 Pacific Island Country and Territory Members



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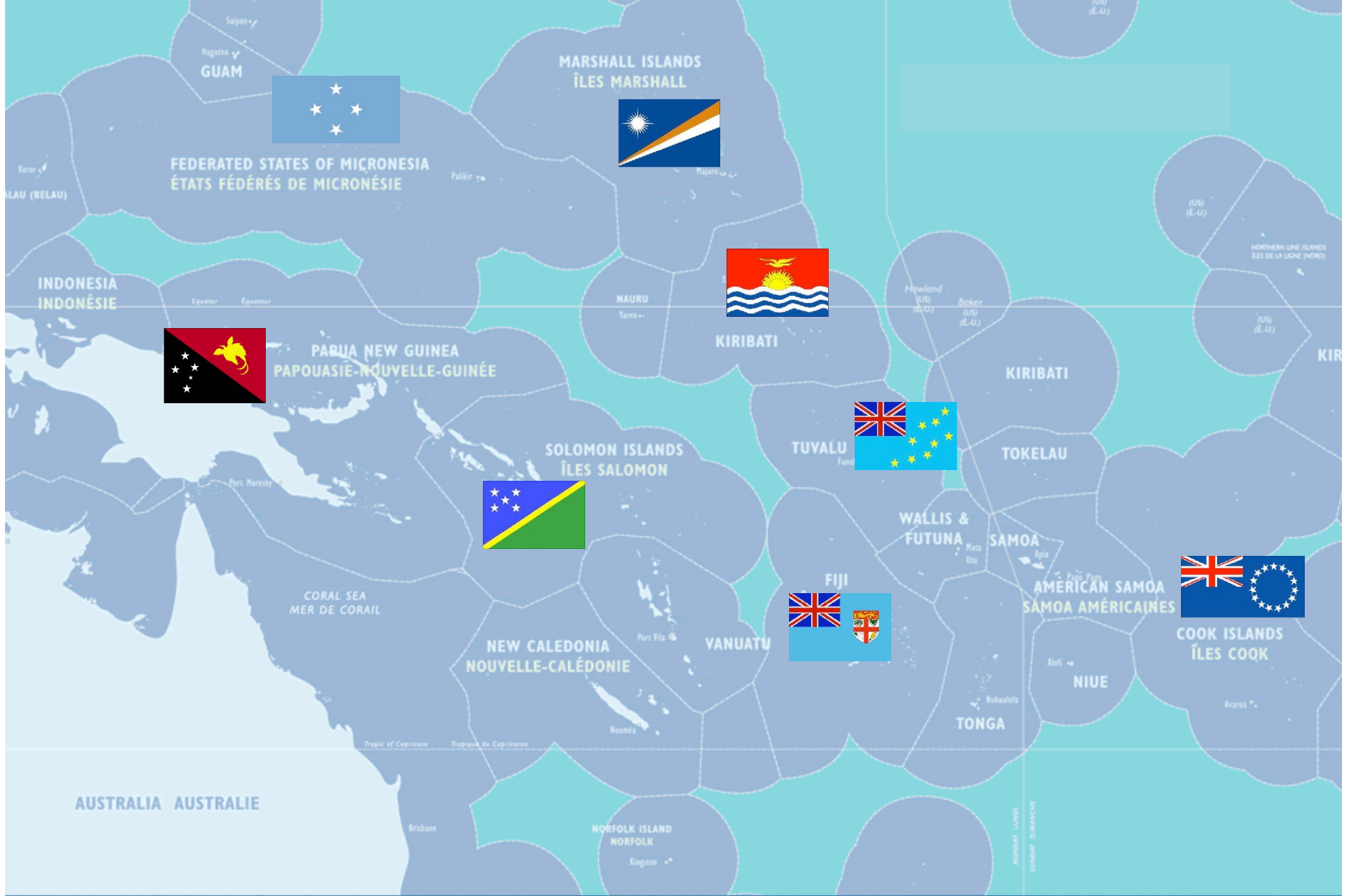
# Country rankings for exposure and vulnerability as estimated by 2017 World Risk Index



Nations with high exposure & vulnerability

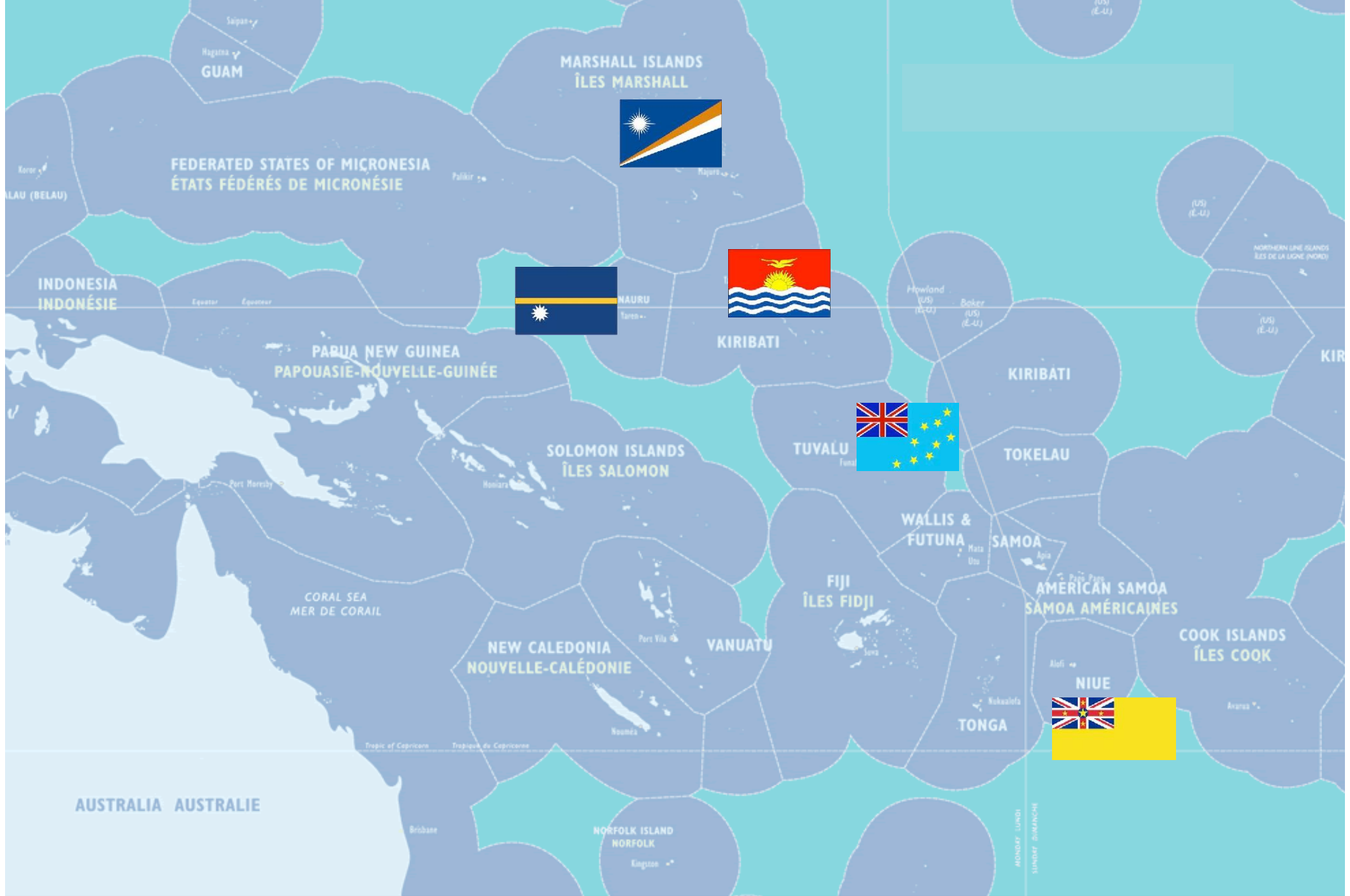


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# Low lying atoll nations





# Nations with no surface water resources



# South Pacific islands running out of water

By Hilary Whiteman, CNN

October 4, 2011 -- Updated 0936 GMT (1736 HKT)



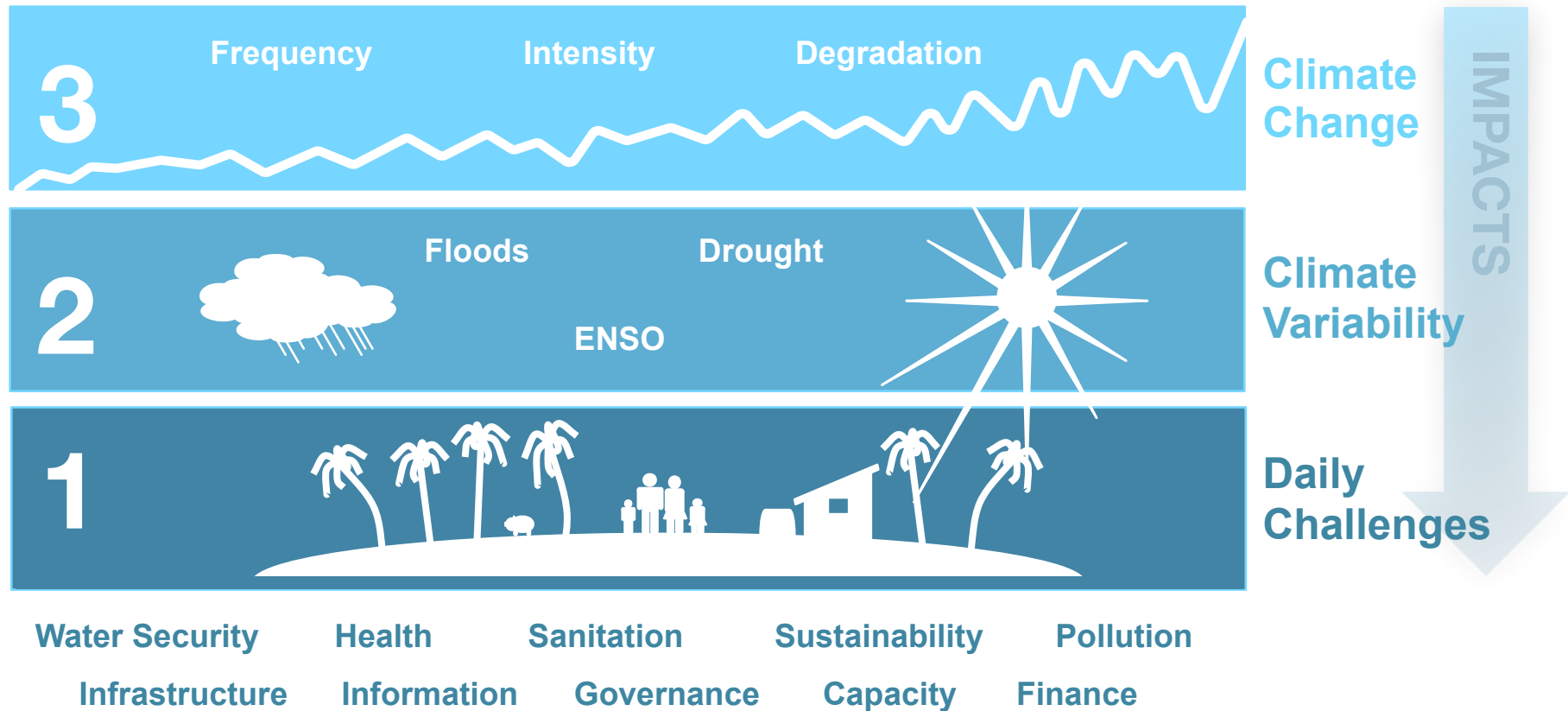
Locals helping with the transfer of emergency water supplies by the Government of Tuvalu and the Tuvalu Red Cross.

HIDE CAPTION

## Drought hits South Pacific islands

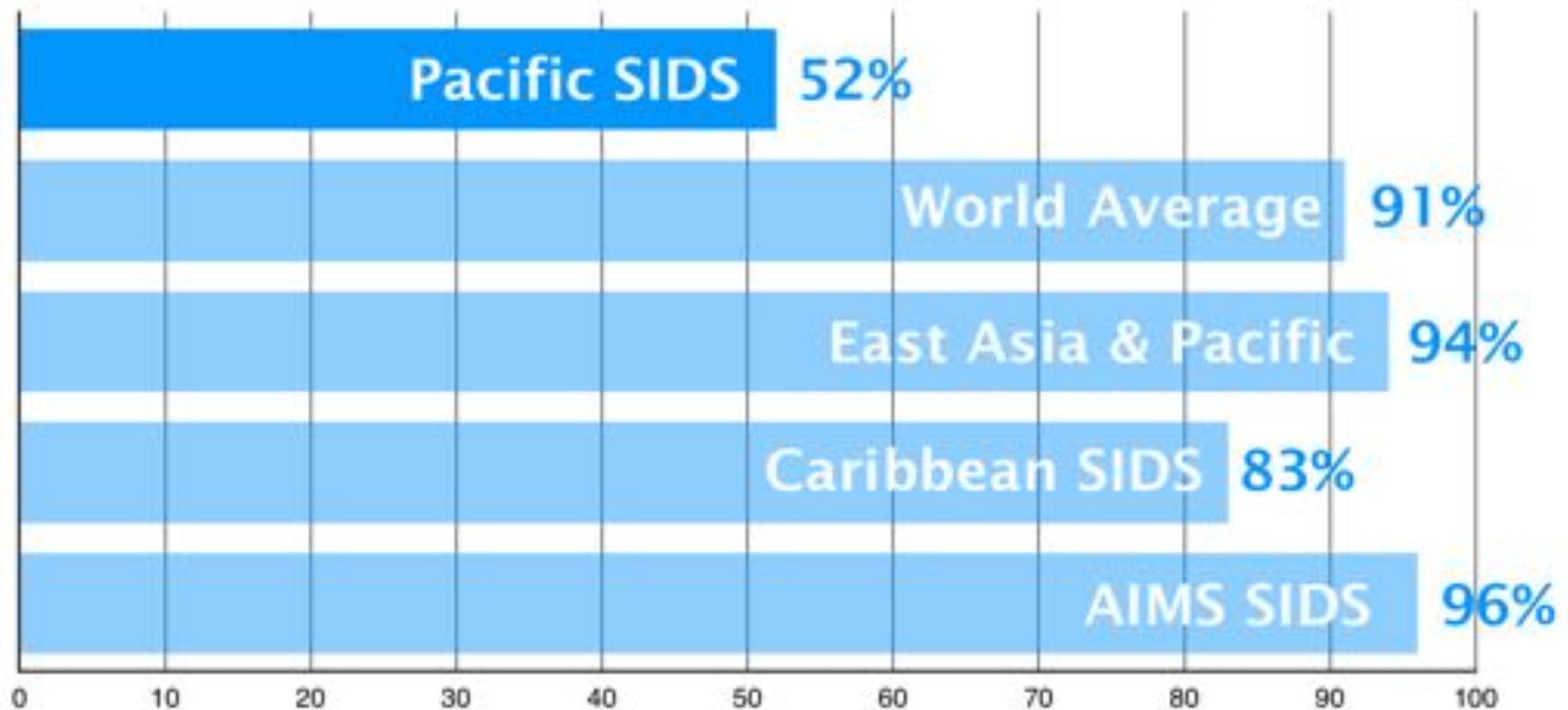
## Fiji floods: State of emergency declared as rains continue





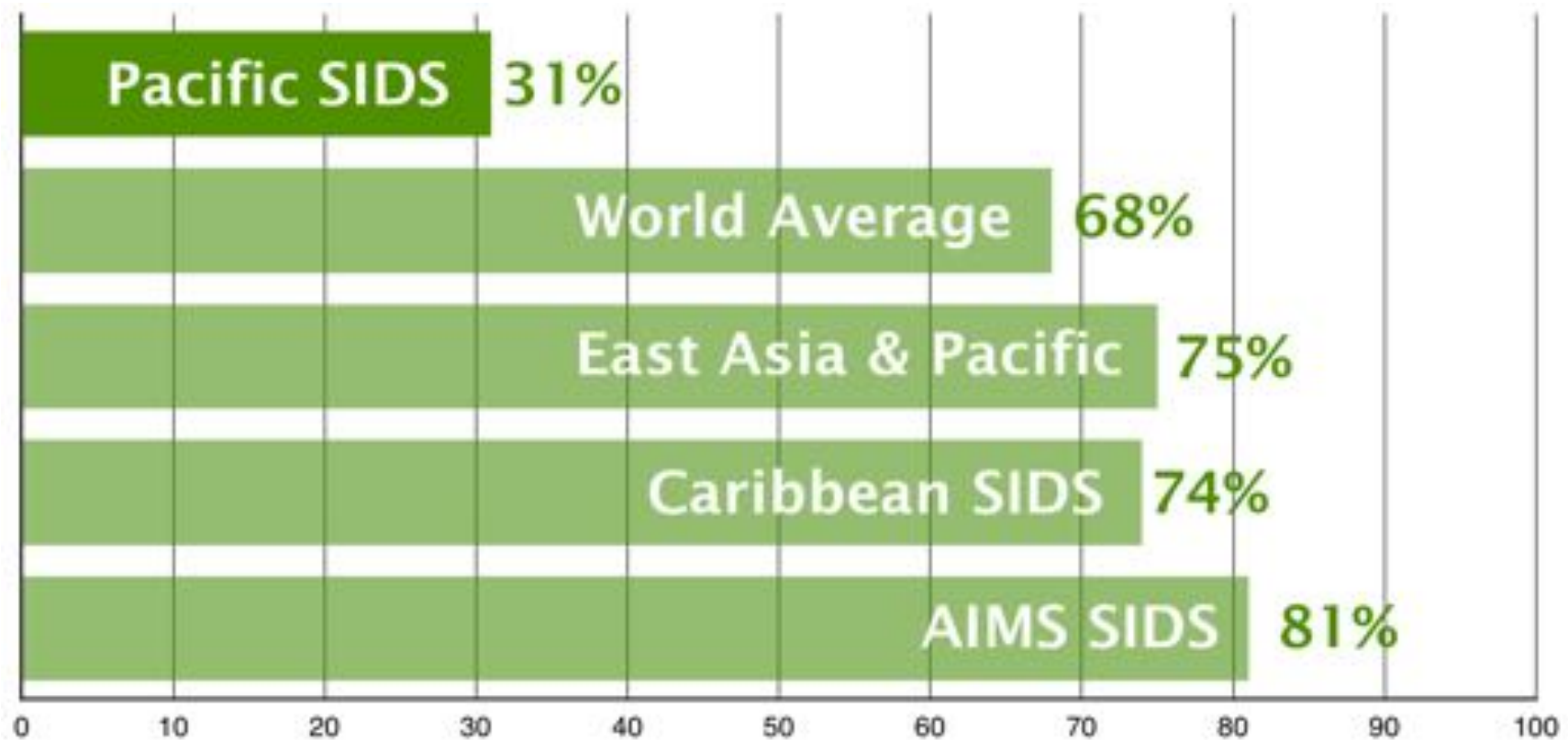
# Mounting pressures on Pacific water security





Source: 2013 WHO & UNICEF Joint Monitoring Programme

Access to improved drinking water



Source: 2013 WHO & UNICEF Joint Monitoring Programme

Access to improved sanitation



Minimising the impacts of drought



Reducing water wastage



Securing safe drinking water



Maximising water yields



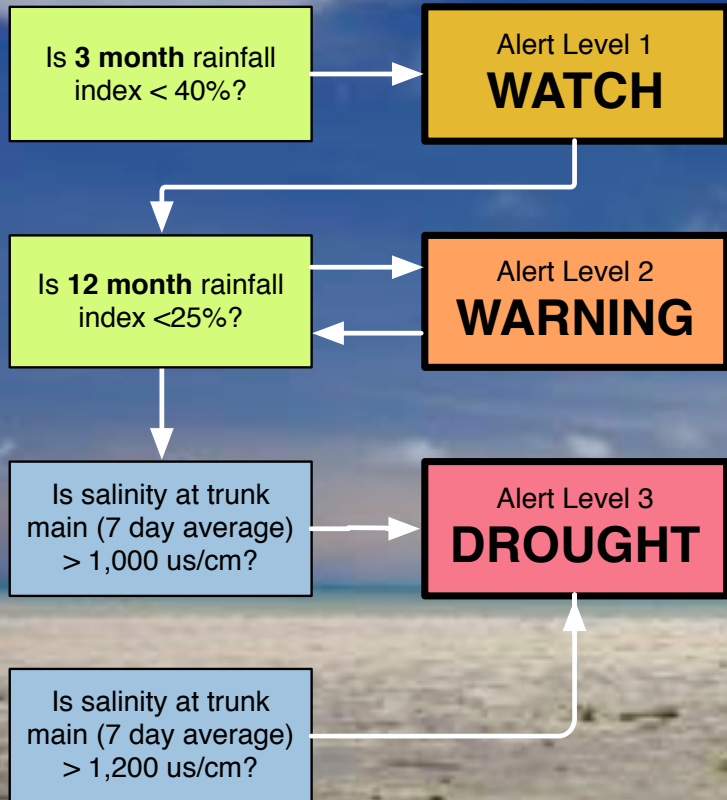
Developing new sources of freshwater



# Minimising the impacts of drought

## TRIGGERS

## ALERT LEVELS



### SOUTH TARAWA WATER SECURITY

RAIN TANKS		PUB SUPPLY
●●●●●●●●	<b>KANGAANGA</b> <small>CRITICAL</small>	●●●●●●●●
●●●●●●●●	<b>KAURING</b> <small>WARNING</small>	●●●●●●●●
●●●●●●●●	<b>KATAURAOI</b> <small>WATCH</small>	●●●●●●●●
●●●●●●●●	<b>RAOIROI</b> <small>NORMAL</small>	●●●●●●●●

Maintaining water security through innovation



# Reducing water wastage



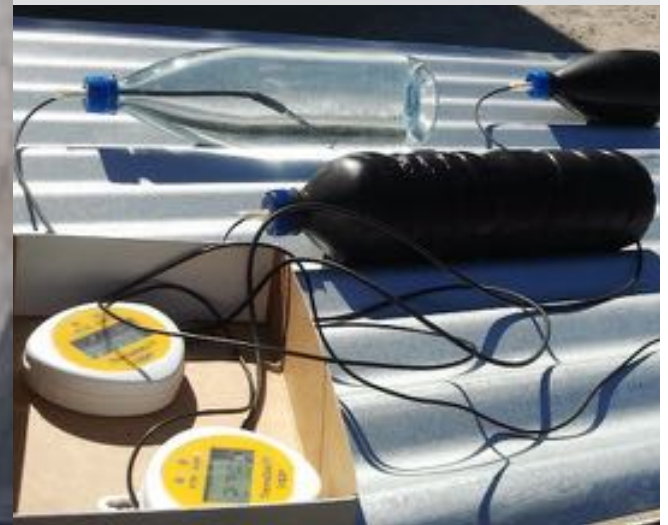
Maintaining water security through innovation



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# Securing safe drinking water



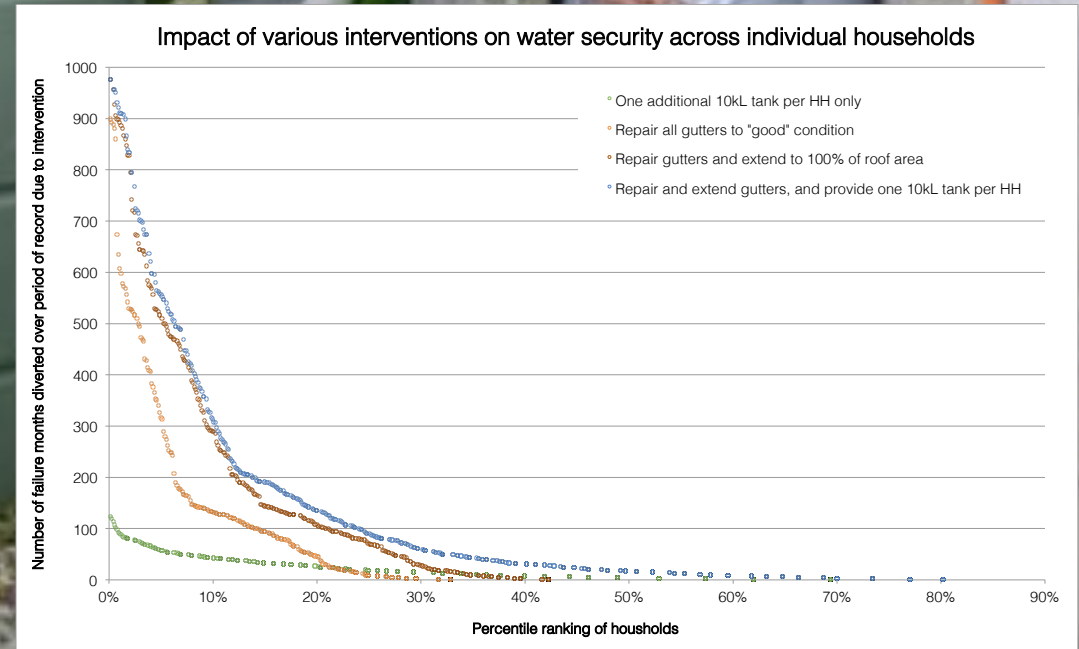
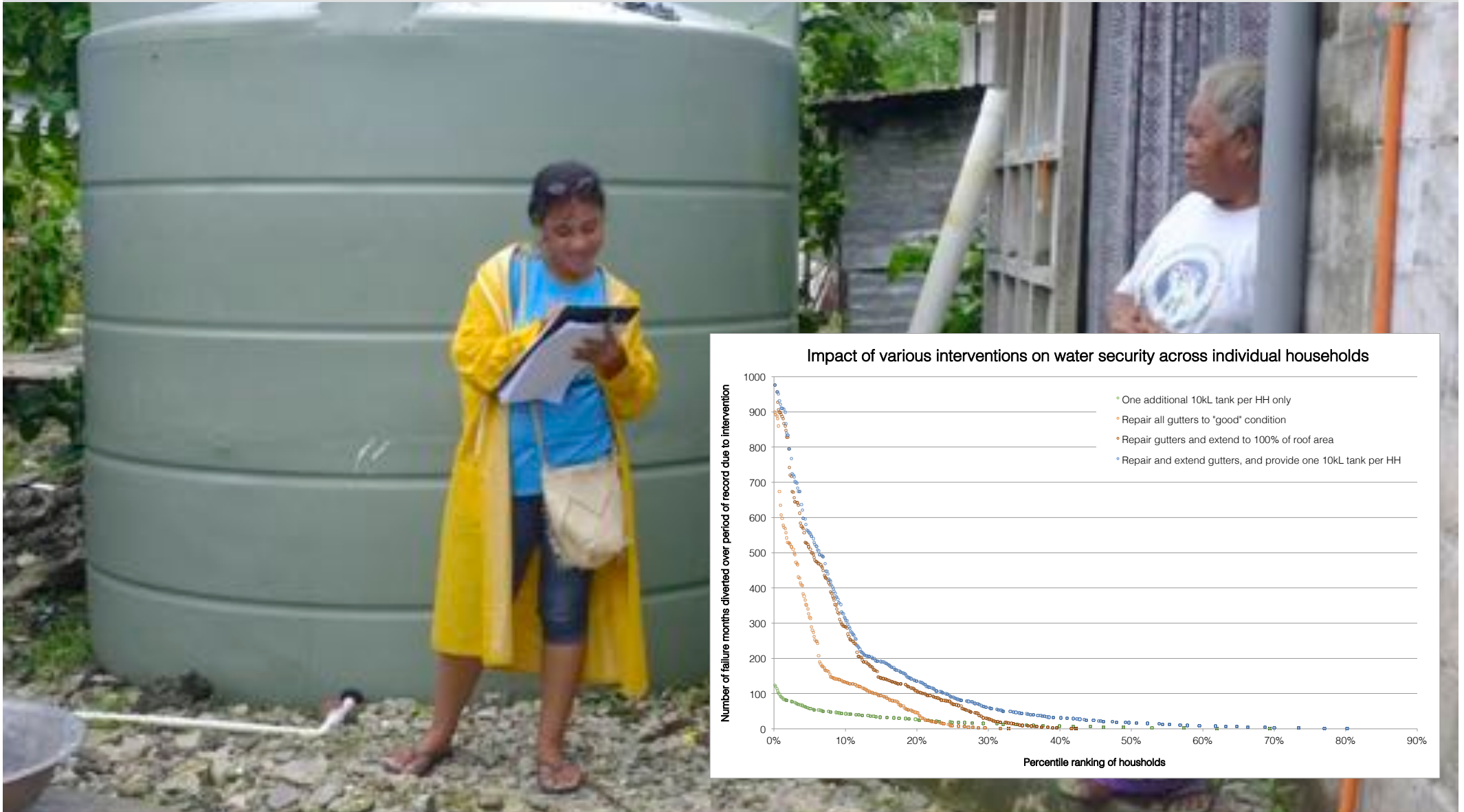
Maintaining water security through innovation



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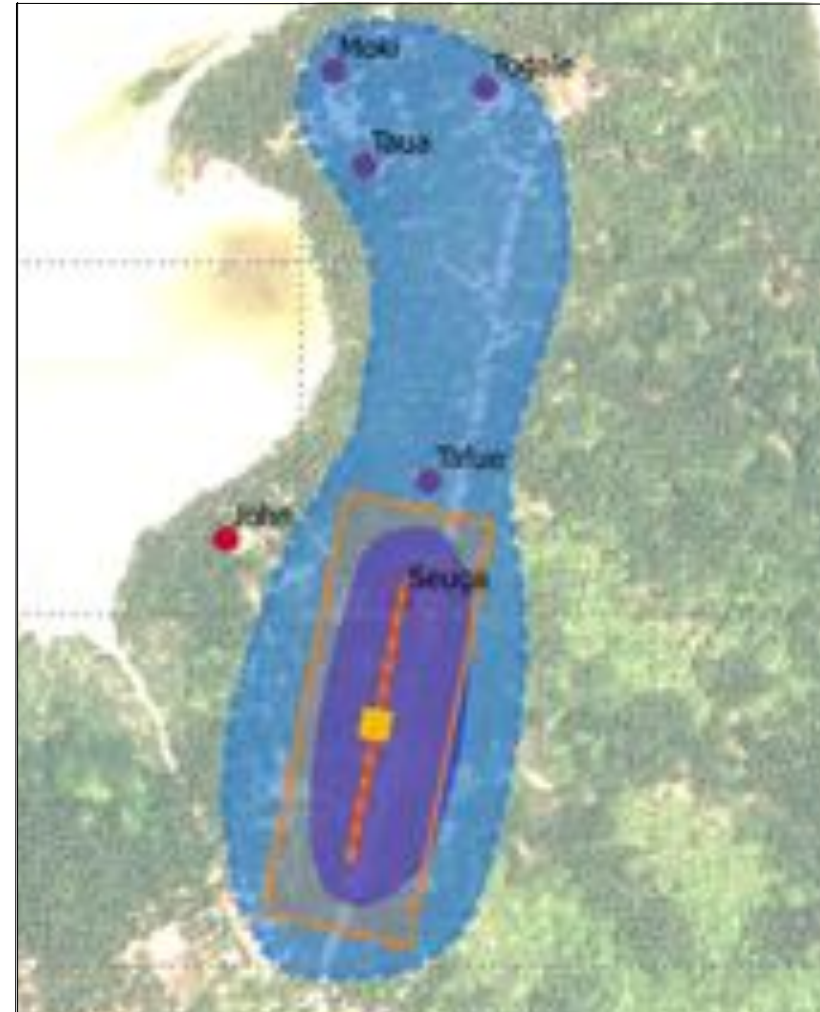
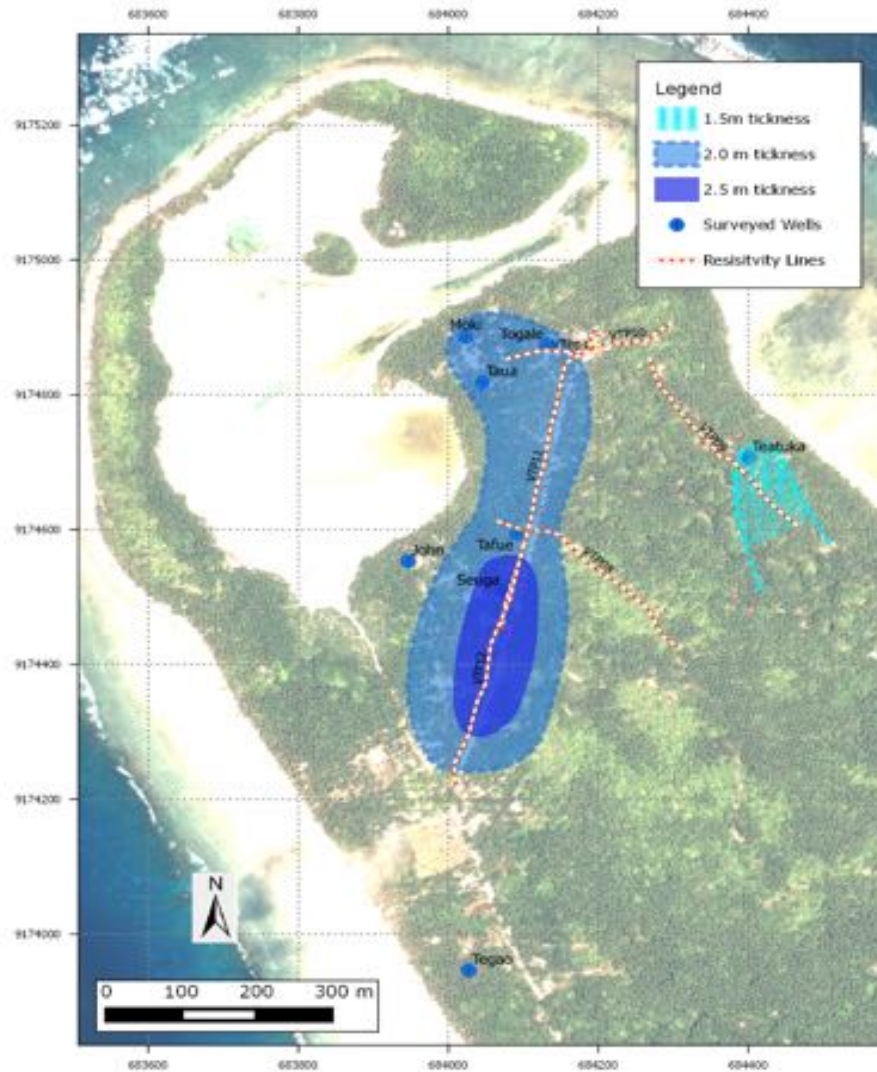
# Maximising water yields



Maintaining water security through innovation



# Developing new sources of freshwater



Maintaining water security through innovation



Tampara masika!



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