Water Security and Resilience
The world’s lowest levels of access to at least basic drinking water services

JMP data (2020) show the Pacific as a whole (Oceania sub-region, including PNG) lagging behind the world in rates of access to at least basic drinking water facilities.
Persistently low levels of access to basic sanitation facilities

JMP data (2020) show the Pacific as a whole (JMP Oceania sub-region, including PNG) significantly behind other sub-regions in securing access to at least basic sanitation facilities.
The world’s least urbanised subregion

<table>
<thead>
<tr>
<th>Region</th>
<th>Urban Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>World</td>
<td>55%</td>
</tr>
<tr>
<td>Central and Southern Asia</td>
<td>36%</td>
</tr>
<tr>
<td>Eastern and South-Eastern Asia</td>
<td>58%</td>
</tr>
<tr>
<td>Latin America and the Caribbean</td>
<td>80%</td>
</tr>
<tr>
<td>Northern Africa and Western Asia</td>
<td>62%</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>40%</td>
</tr>
<tr>
<td>Oceania</td>
<td>23%</td>
</tr>
</tbody>
</table>

% of urban population of the world and selected SDG sub-regions

The world’s greatest disparity in access between urban and rural areas
As a region, progress not keeping pace with population growth

Data from UNICEF JMP snapshot, 2021. Each square represents 30,000 people.
Amongst the world’s most exposed nations to the risk of natural hazards

Country rankings for exposure and vulnerability as estimated by 2021 World Risk Index*

*Note that ratings did not consider Cook Islands, RMI, Nauru, Niue, Palau or Tuvalu
Some recent estimated TC impacts on GDP

- TC WINSTON
  - FIJI
  - GDP: 30%

- TC PAM
  - VANUATU
  - GDP: 65%

- TC EVAN
  - SAMOA
  - GDP: 45%

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov
Tropical Cyclones 2007-21 (Cat 5)

The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov
Tropical Cyclones 2007-21 (Cat 4+)

The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov
The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Tropical Cyclones 2007-21 (Cat 3+)

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov

The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.
The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov

Tropical Cyclones 2007-21 (Cat 2+)

The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.
The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov
The categories shown are based on the Saffir-Simpson Hurricane Wind Scale.

Tropical Cyclones (all recorded)

The categories shown are based on the Saffir-Simpson Hurricane Wind Scale. Imaging from NOAA Historical Hurricane Tracks: https://coast.noaa.gov
A month after the storm, the town of Melissa remains covered in wreckage and debris.

Photograph: Dan Mcarry/The Guardian

The Pacific project

The Vanuatu island in the eye of the storm
Heavy rain continues in the North of Fiji. More people are being assisted to safety by our first responders on the ground. #TCA

Our teams have rescued the family from Salababa, Walla who called in for help. Thanks to the @Fijilforce, we managed to coordinate our response and also rescue other families in low lying areas in that area. #TCA
Asian Water Development Outlook 2020: Ranking of Pacific region for each AWDO Key Dimension
Some lessons from the data

1. Too many people are being left behind
2. Large inequities and disparities persist
3. SDG6 indicators don’t capture resilience challenges
4. Safe access is key, but poorly understood
5. WASH remains critical to COVID responses
6. Pacific still has largest data gaps
7. Pacific challenges need IWRM solutions
8. Cost of action high but far less than cost of inaction
Supporting the capacity of local communities to protect and sustainably manage their water resources, while maintaining safe WASH systems and practices, is key to building a climate resilient Pacific.
Vinaka!
2022 JMP data on access to safely managed and at least basic drinking water

- American Samoa (2020): >99%
- Cook Islands (2020): 88%
- Fiji (2020): 94%
- French Polynesia (2020): >99%
- Guam (2020): >99%
- Kiribati (2020): 78%
- Marshall Islands (2020): 89%
- Nauru (2020): >99%
- New Caledonia (2020): 99%
- Niue (2020): >99%
- CNMI (2020): >99%
- Palau (2020): 92%
- PNG (2020): 45%
- Samoa (2020): 67%
- Solomon Islands (2020): >99%
- Tokelau (2020): 99%
- Tonga (2020): 99%
- Tuvalu (2020): 99%
- Vanuatu (2020): 99%
2022 JMP data on access to safely managed and at least basic sanitation services

<table>
<thead>
<tr>
<th>Country</th>
<th>Safely Managed</th>
<th>At least Basic Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Samoa (2020)</td>
<td>&gt;99%</td>
<td>55%</td>
</tr>
<tr>
<td>Cook Islands (2020)</td>
<td>88%</td>
<td>97%</td>
</tr>
<tr>
<td>FSM (2019)</td>
<td>&gt;99%</td>
<td>90%</td>
</tr>
<tr>
<td>Fiji (2020)</td>
<td>97%</td>
<td>84%</td>
</tr>
<tr>
<td>French Polynesia (2020)</td>
<td>90%</td>
<td>66%</td>
</tr>
<tr>
<td>Guam (2016)</td>
<td>100%</td>
<td>79%</td>
</tr>
<tr>
<td>Kiribati (2020)</td>
<td>66%</td>
<td>79%</td>
</tr>
<tr>
<td>Marshall Islands (2020)</td>
<td>84%</td>
<td>79%</td>
</tr>
<tr>
<td>Nauru (2017)</td>
<td>&gt;99%</td>
<td>79%</td>
</tr>
<tr>
<td>New Caledonia (2020)</td>
<td>&gt;99%</td>
<td>79%</td>
</tr>
<tr>
<td>Niue (2020)</td>
<td>&gt;99%</td>
<td>79%</td>
</tr>
<tr>
<td>Niue (2020)</td>
<td>&gt;99%</td>
<td>79%</td>
</tr>
<tr>
<td>Palau (2020)</td>
<td>97%</td>
<td>35%</td>
</tr>
<tr>
<td>PNG (2020)</td>
<td>19%</td>
<td>35%</td>
</tr>
<tr>
<td>Samoa (2020)</td>
<td>97%</td>
<td>78%</td>
</tr>
<tr>
<td>Solomon Islands (2020)</td>
<td>93%</td>
<td>53%</td>
</tr>
<tr>
<td>Tokelau (2020)</td>
<td>93%</td>
<td>53%</td>
</tr>
<tr>
<td>Tonga (2016)</td>
<td>93%</td>
<td>53%</td>
</tr>
<tr>
<td>Tuvalu (2020)</td>
<td>93%</td>
<td>53%</td>
</tr>
<tr>
<td>Vavau (2020)</td>
<td>93%</td>
<td>53%</td>
</tr>
</tbody>
</table>