

<b>Cook Islands:</b> Bates Manea	
<b>Fiji:</b> Jasneel Chandra, and Shweta Shiwangni	
<b>FSM (Chuuk):</b> Boyd Mackensie, Sanchez and Sosten	
<b>FSM (Pohnpei):</b> Joe, Wallace, Sammy, Junior	
<b>Kiribati:</b> Mwata Keariki, Miriam, Tekaatu	
<b>Niue:</b> Sean Tukutama, Floyd Viliamu, Robert Togiamana, Shane Tohovaka, Jiare Rigamoto, Helena Tongakilo & Rossy Mitiepo	
<b>Papua New Guinea:</b> Nathan Yuave, Kasis Inape, Justina Kawi, Agnes Diap, Kila Kila	

## Australian Aid Project: Climate and Oceans Support Program in the Pacific (COSPPac)

**Palau:** Kiku Mochimaru, Maria, Maylene, Ngotel, Obrien, Dexter, Torual, and Ralph.

**Republic of Marshall Islands:** Samson Kaneko, Lee, Winson, and Johnny

**Samoa:** Kotoni Faasau, Taumeasina Fomai, Junior Lepale and Silipa Mulitalo

**Solomon Islands:** David Hiba, Max Sitai, Alick Haruhiru, Patnock Bii, Manoa Tapa, Barnabas Tahunipue

**Tokelau:**

**Tonga:** Selu, Mele Lakai, Taniela, Neniasi and Faingata'a

**Tuvalu:** Taula Katea, Leiti Fasiai, Kaani Kalepo, Elifaleti Ene, Simoea Tiute, and Mele Katea

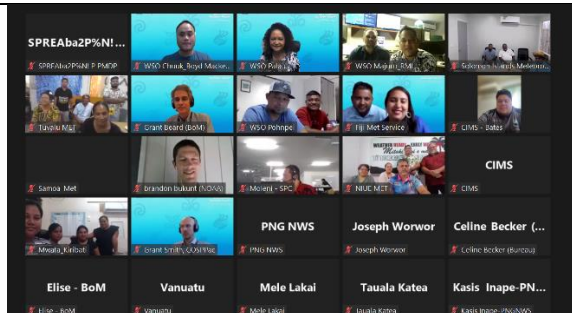
**Vanuatu:** Fred Jockley, Glenda Pakoa, John Pakoa, John Mangau, Neil Malosu, Kalsuak Gorden, Kalo Abel

**Australia:** Celine Becker, Simon McGree, Grant Smith, Grant Beard, Ashley, Nick and Elise Chandler

**NOAA:** Brandon Burunt

**SPREP:** Philip Malsale, Salesa Nimehi, Siosina Lui, and Florette Tuauu, Charlie, Nanette Woonton

**SPC:** Moleni Tu'uholoaki, Merana, Bipen and Azaria, Herve and Salesh



OCOF tables were received from 14 participating countries before the meeting.

### Observations of February to April 2024:

Observed rainfall for the one and three-month periods ending April 2024 were discussed for each PIC. This month, several countries experienced extreme rainfall as shown in the following table:

Station	Period	Rainfall Amount (mm)	Rainfall Rank	Years of record
Penang Mill, Fiji	April	60	6	114
Lautoka, Fiji	April	16.9	2	125
Nadi Airport, Fiji	April	13.7	1	82
Lakeba, Fiji	April	43.0	4	72
Labasa, Fiji	April	30.9	4	69
Penang Mill, Fiji	Feb-Apr	1490.5	104	114
Lautoka, Fiji	Feb-Apr	1320.0	114	124
Nadi Airport, Fiji	Feb-Apr	1353.2	77	81
Laucal Bay, Fiji	Feb-Apr	1397.3	76	83
Nausori, Fiji	Feb-Apr	1331.5	61	68
Navua, Fiji	Feb-Apr	1584.5	72	79
Vunisea, Fiji	Feb-Apr	1200.3	83	87
Labasa, Fiji	Feb-Apr	1511.4	64	67
Savusavu, Fiji	Feb-Apr	1338.0	63	63

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Nafanua, Samoa	Feb-Apr	643.5	4	52
Auki, Solomon Islands	April	408.5	58	63
Auki, Solomon Islands	Feb-Apr	1559.1	62	63
Ha'apai, Tonga	April	40.6	6	78
Fua'amotu, Tonga	April	22.3	4	45
Nuku'alofa, Tonga	Feb-Apr	1015.0	73	79
Pekoa, Vanuatu	Feb-Apr	1370.3	51	54
Bauerfield, Vanuatu	Feb-Apr	1339.5	48	52

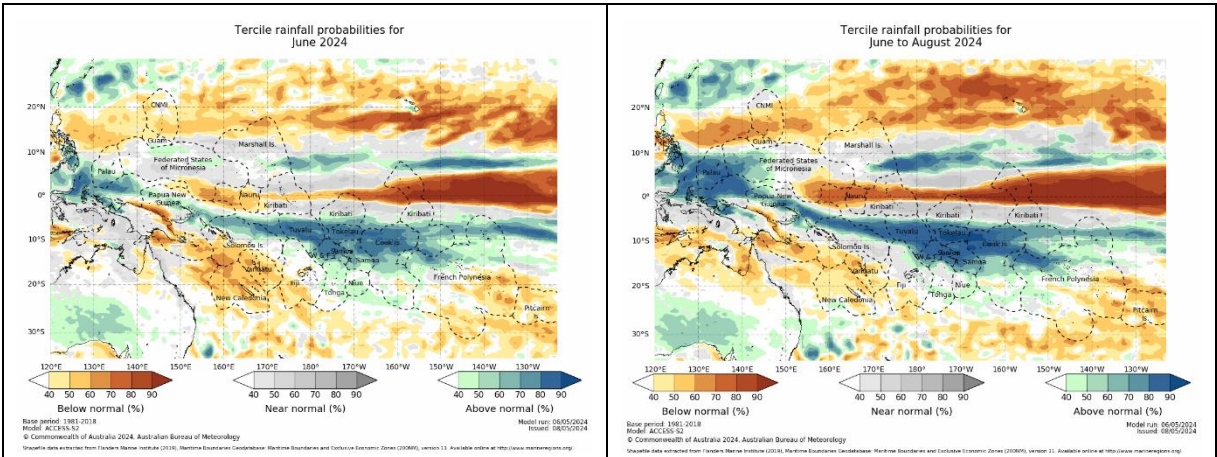
[Note: The above data may not have undergone quality control]

June to August 2024 Outlooks:

ACCESS-S outlooks:

The three-month ACCESS-S rainfall outlook for **June-August 2024** is similar to the outlook for May-July. A relatively thin band where above normal is likely or very likely, stretches east-southeast from alau across northern PNG, the northern Solomon Islands, Tuvalu, the southern Phoenix Is, Wallis and Futuna, Tokelau, Samoa, American Samoa, northern far Tonga, the eastern half of Niue, most of the Cook Is, the southern Line Islands, and northern French Polynesia. Another region favouring above normal rainfall extends east from Palau over western FSM, and central RMI.

Below normal is likely or very likely, in Guam, CNMI, far northern RMI, south to southeast PNG, New Caledonia, Vanuatu, southern Fiji, southeastern central French Polynesia, and Pitcairn Islands. An equatorial band favouring below normal rainfall extends east from southeast FSM, Nauru, northern Gilbert, across the Date Line and affects the northern parts of both the Phoenix and Line Islands.



	41-50%	51-60%	61-70%	71-80%	81-90%	>90%
Below normal						
Near-normal						
Above normal						

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May to July 2024				May-Jul 2024		Jun-Aug 2024
	ACCESS-S	C3S	CLIKP	ACCESS-S		
Cook Is North						
Cook Is South						
Fiji West						
Fiji Central						
Fiji East						
Fiji North						
Fiji Rotuma						
FSM West						
FSM Central						
FSM East						
Kiribati West						
Kiribati Central						
Kiribati East						
RMI North						
RMI Central						
RMI South						
Nauru						
Niue						
Palau						
PNG Momase						
PNG Is						
PNG South						
PNG Highlands						
Samoa						
Solomon Is West						
Solomon Is Central						
Solomon Is East						
Tonga North						
Tonga Central						
Tonga South						
Tuvalu North						
Tuvalu Central						
Tuvalu South						
Vanuatu North						
Vanuatu South						

### Other matters Discussed:

- ENSO is neutral. There are some early signs that a La Niña might form in the Pacific Ocean later in 2024.
- NMHS were encouraged to finalise El Niño impacts report.
- OCOF 201 will be hosted by SPREP via zoom on the 13 June 2024

### Observed Rainfall

Country	April 2024	February to April 2024
<b>Cook Islands</b>	Normal and above normal	Normal
<b>Fiji</b>	Mostly below normal	Mostly above normal
<b>FSM (Chuuk)</b>	Normal	Normal
<b>FSM (Pohnpei)</b>	Below normal and normal	Normal and above normal
<b>Kiribati</b>	Below normal to above normal	Mostly above normal
<b>RMI</b>	Below normal and normal	Below normal
<b>Nauru</b>	No report	No report
<b>Niue</b>	Below normal	Below normal
<b>Palau</b>	Normal	Normal
<b>Papua New Guinea</b>	Mostly below normal	Below normal and above normal

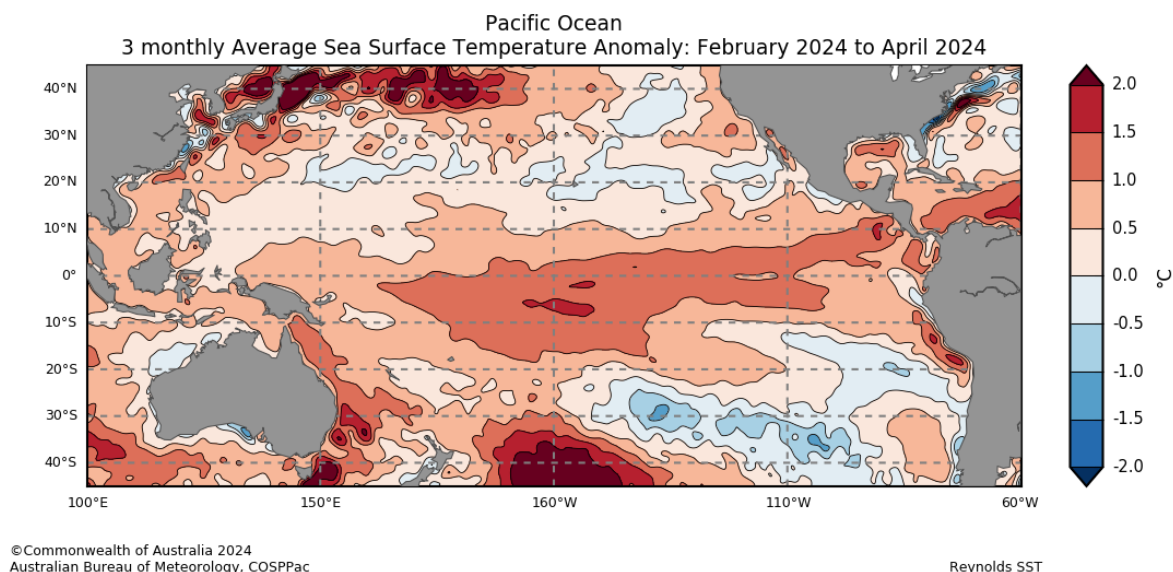
<b>Samoa</b>	Below normal and normal	Below normal
<b>Solomon Islands</b>	Below normal and above normal	Mostly normal
<b>Tonga</b>	Below normal and normal	Below normal to above normal
<b>Tuvalu</b>	Normal	Below normal to above normal
<b>Vanuatu</b>	Mostly below normal and normal	Mostly above normal

## Ocean Conditions

### Observations of February to April 2024

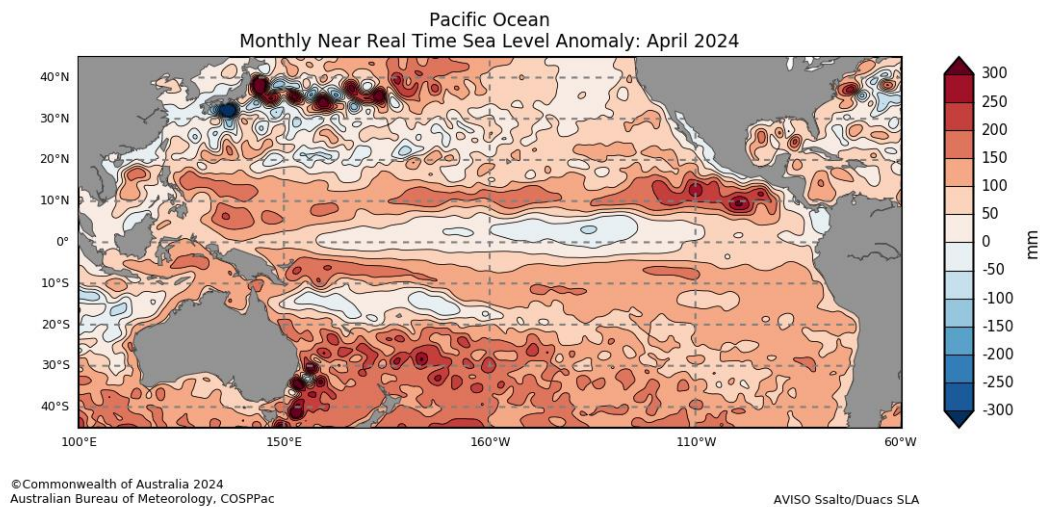
Sea surface temperature (SST):

Above-normal SST anomalies up to 1.5°C persisted in most places in the region, with a few patches more than 1.5°C over Kiribati (central Line Islands and Gilbert Islands) and northern Cook Islands. Near-normal SST observed in Palau, northern part of FSM, most of Marshall Island, central PNG, southern Vanuatu, southern Fiji and southern French Polynesia, with a few patches over southern Tonga, Niue and Cook Islands. Compared with November 2023 to January 2024, the SST anomaly pattern with magnitude greater than 2.0°C above normal, which were dominant across tropical equatorial region from central to eastern Pacific, have fully dissipated in the February to April 2024 period.



April sea level was generally near-normal along the equator between Nauru and 110°W longitude, southern Tuvalu, central Fiji, central Tonga and parts of Solomon Islands. Additionally, near normal sea level accompanied by a few patches of below normal was observed in southeastern PNG, southern part of Solomon Islands, Vanuatu, northern New Caledonia, Samoa, northern part of Niue, and central Cook Islands. The rest were generally above normal sea level ranging from 50 to 200mm, with a few patches greater than 200mm over Solomon Islands, Palau, Tonga, southern Fiji, southwestern New Caledonia and southern Cook Islands.



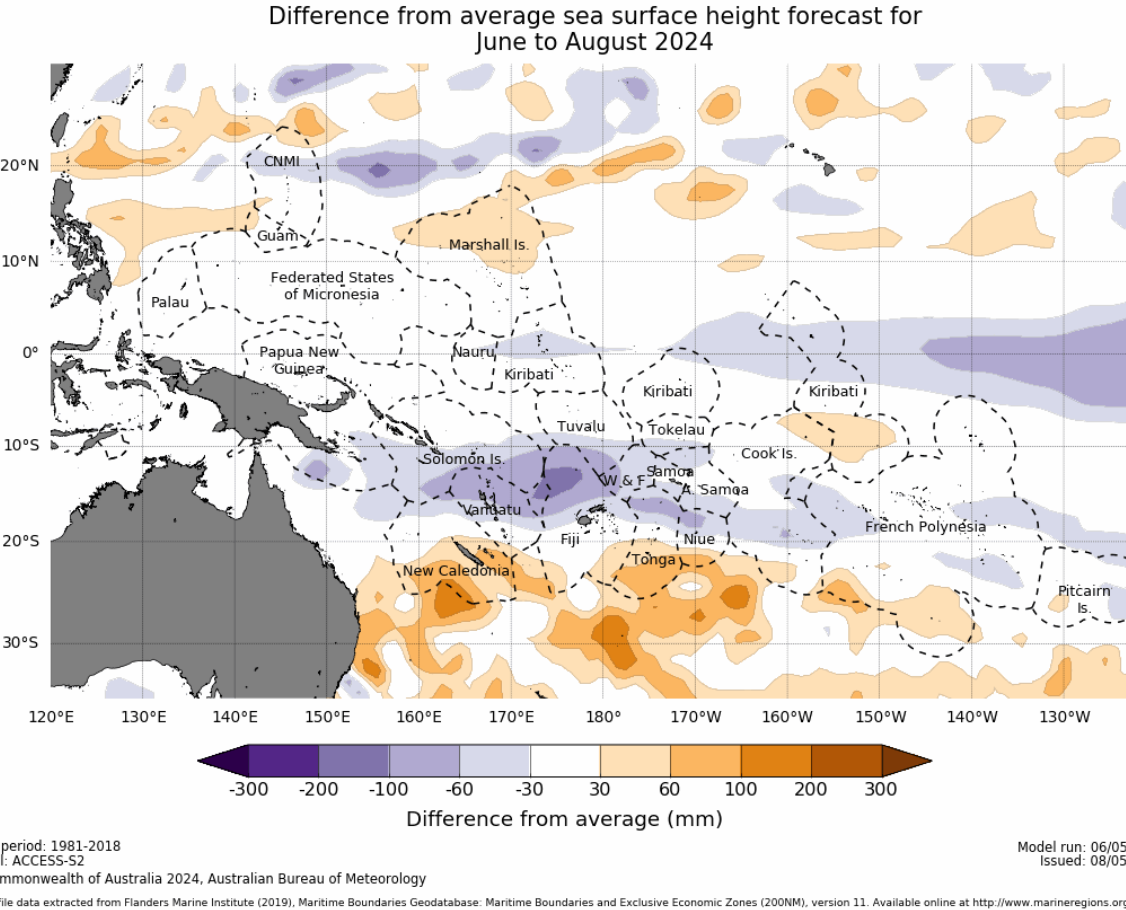
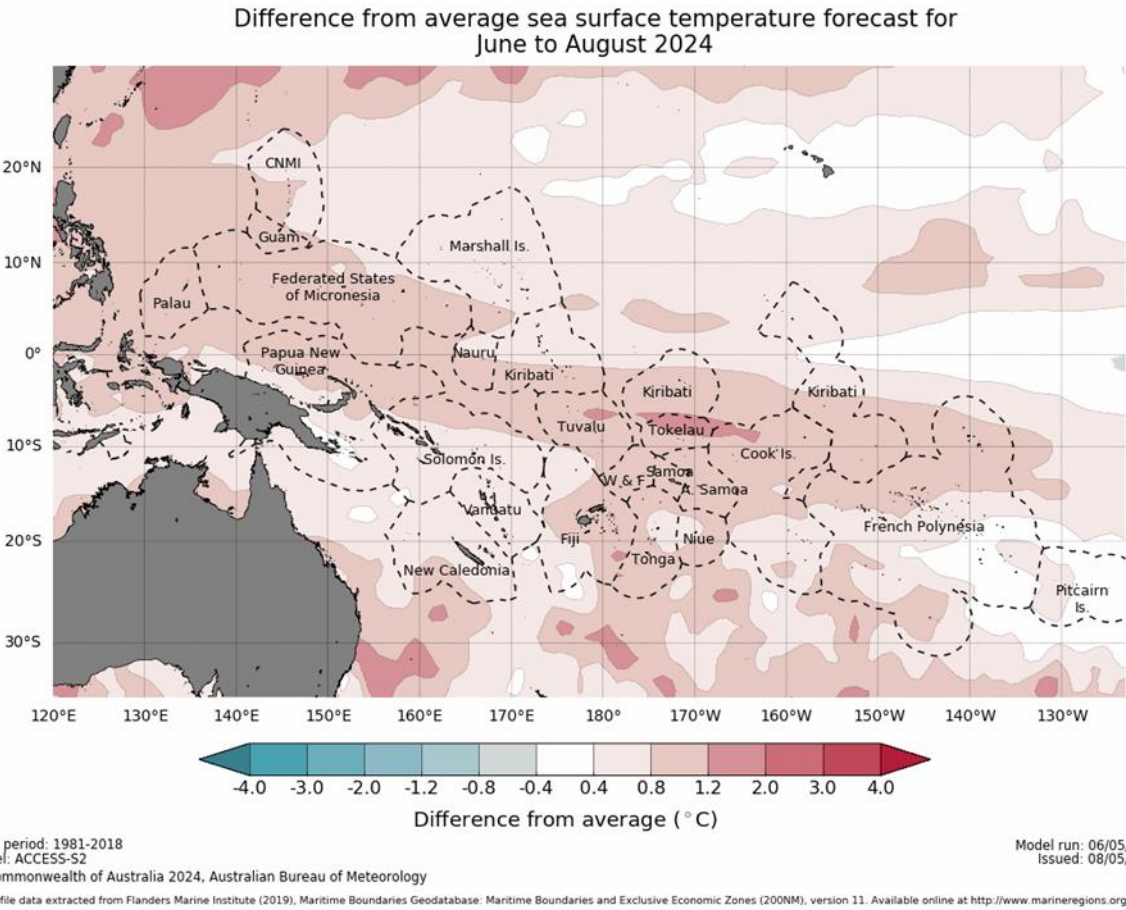


#### June to August 2024 Outlooks:

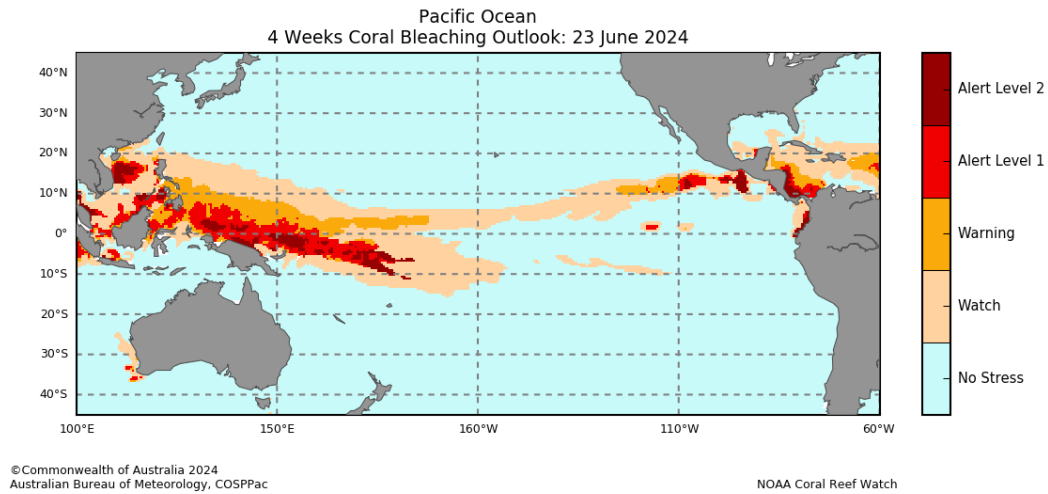
**Sea surface temperature (SST) outlook:** SSTs are generally forecast to be 0.4 to 1.2 °C above normal affecting most of the COSPPac countries except for a few patches up to 2°C over Tuvalu, Tokelau, Cook Islands, Gilbert Islands (Kiribati) and near normal over PNG, Fiji, French Polynesia, FSM, Line Islands (Kiribati) and Pitcairn Islands.

**Sea level outlook:** Sea level is generally near-normal for most of the COSPPac countries. Above normal sea level is forecast for part of the countries north of 20°N and south of 20°S. They are parts of Guam, and northern half of Marshall Islands in the Northern Hemisphere (up to 60mm). In the Southern Hemisphere (up to 100mm), they are central and southern parts of New Caledonia, parts of southern Fiji, southern Tonga, southern Niue, part of southern Cook Islands, and far southern part of French Polynesia. Above normal (up to 60mm) is also forecast for part of southern Line Islands (Kiribati). Within the 20°N and 20°S lies two main bands of below normal sea level extending from west to east. The first band lies along the equator with part over central Gilbert Islands, northern edge of Phoenix Islands and central Line Islands. The second band extends eastwards from southern part of PNG to southern Solomon Islands, northern Vanuatu, northern Fiji, southern Tuvalu, northern Tonga, Samoa, northern Niue, part of southern Cook Islands, and parts of central French Polynesia. The rest of the regions are forecast to be near-normal. Note that this outlook does not include trends of sea level rise.

**Coral Bleaching Outlook:** For the four weeks outlook to 23 June, "Alert Levels 1 and 2" are forecast for Palau, northern half of PNG, southern FSM, part of northern Solomon Islands, southern Nauru, Kiribati (southern Gilbert, and Phoenix Islands), and part of Tuvalu. "Warning" areas is forecast for northern Palau, most of southern half of FSM, northern Nauru, southern Marshall Islands, parts of northern and southern Gilbert Islands, and parts of northern and southern Line Islands. Broad region of "Watch" areas surrounding both the "Alert Levels 1 and 2" and the Warning areas includes northern part of FSM, southern part of Marshall Islands, central Gilbert Islands, Phoenix Islands, Tokelau, Samoa, northern Cook Islands, northern Fiji, northern Solomon Islands and central PNG. The remaining countries and some parts of the countries mentioned above are predicted to experience "no thermal stress".



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**Observed Conditions**

SST: sea surface temperature anomaly  
SLA: sea level anomaly  
BN: Below Normal  
NN: Near Normal  
AN: Above Normal

Country	April 2024	
	SST	SLA
Cook Islands	AN/ NN	AN/NN/BN
Fiji	AN/NN	AN/ NN
FSM (Chuuk)	AN/NN	AN
FSM (Pohnpei)	AN/NN	NN/AN
Kiribati	AN/NN	AN/NN
Marshall Islands	AN/NN	AN/NN
Nauru	AN/NN	NN/AN
Niue	AN/NN	AN/NN
Palau	AN/NN	NN/AN
Papua New Guinea	AN/NN	AN/NN/BN
Samoa	AN	NN/BN
Solomon Islands	AN/NN	AN/NN
Tonga	AN/NN	AN,/NN
Tuvalu	AN	AN/NN
Vanuatu	AN/NN	NN/BN



**Country Stakeholder Engagement- Evaluations of how effective countries engage with their stakeholders**

<b>Country</b>	<b>Date April  2024</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Cook Islands- EAR Watch	April	Red Cross, Island Council and Executive Officers, To Tatou Vai	39		
Cook Island – Monthly Climate Briefing	April	Climate Change	8		
Cook Islands – Climate Data Request	April	Ministry of Marine Resources, Local Newspaper	2		2
Fiji - Climate Summary	08 April	General public	140	106	34
Fiji - EAR Watch	15 April	Humanitarian partners	122	96	26
Fiji - Climate Outlook	30 April	General public	124	93	31
Fiji - Climate Outlook for Monasavu	30 April	Energy Fiji Limited	13	13	-
Fiji - Ocean Outlook	19 April	A number of key ocean related stakeholders	36	29	7
Fiji - Sugarcane rainfall outlook	11 April	Sugarcane Industry stakeholders	77	60	17
Fiji - Meteorological data request	01-30 April	A range of stakeholders	69	53	16
FSM (Chuuk) - Climate Bulletin	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7
FSM (Chuuk) - EAR Watch	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7
FSM (Chuuk) – Ocean Outlook	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7
FSM (Pohnpei) – Climate bulletin	April	Pohnpei Municipal, Gov't, Kosrae, Municipal Gov't, Pohnpei and Kosrae DCO, Dept. Of Education, Red Cross, Fisheries, Environmental Protection	54	43	11

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		Agency, DECEM, Mayors, Dept. Of Public Safety, Pohnpei Utility Corporation, Tourism, Fisheries.			
FSM – EAR Watch	April	Pohnpei Municipal, Gov't, Kosrae, Municipal Gov't, Pohnpei and Kosrae DCO, Dept. Of Education, Red Cross, Fisheries, Environmental Protection Agency, DECEM, Mayors, Dept. Of Public Safety, Pohnpei Utility Corporation, Tourism, Fisheries.	54	43	11
Kiribati - Climate bulletin	8 April	Government and Non-Government Organisations and public subscribed to the products.	158	70	88
Kiribati – EAR Watch	12 April	Drought committee members	62	35	27
Kiribati - Media release	8 April	KMS Media and KMS Staffs	53	23	30
Kiribati - Ocean Bulletin	8 April	Government and Non-Government Organisations and public subscribed to the products.	158	70	88
Kiribati – Climate data request	1-30 April	Government and Non-government sectors and local fishermen	9	6	3
Marshall Island – Climate briefing	19 April	Office of the Chief Secretary and the National Disaster Management Office	6	4	2
Marshall Island – Climate bulletin	22-26 April	Climate Change Weeks...Government Agencies, Middle School and High School Students	64	30	34
Marshall Island – Ocean Outlook	22-23 April	Climate Change Weeks...Government Agencies, Middle School and High School Students	52	33	19
Nauru	April	No report			
Niue	April	No engagement			
Palau-Data request for Wind Forecast	1	Coral Reef Research Foundation and WSO Palau	2	0	2
Palau-Data Request for Monthly Rainfall and Temps for Palau Climate Stats Yearbook	1	Office of Planning & Statistics, Bureau of Budget & Planning, Ministry of Finance	2	1	1
Palau-NIWA Island Climate Update	5	Social media and WSO Palau	13+	9+	4+
Palau-OCOF 200 Video	7	WSO Palau, SPREP	2	1	1
Palau-EAR Watch	8	WSO Palau and social media	15+	10+	5+
Palau-Climate Story and Palau	8	WSO Palau and social media	17+	11+	6+

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Palau-Rainfall April La Nina 2023 vs April El Nino 2024					
Palau Island Climate Update	9	WSO Palau, social media, agriculture	14+	10+	4+
Palau-Pacific ENSO Applications Climate Services (PEAC) Outlook	12	WSO Palau and social media	18+	12+	6+
Palau-APCC Outlook Tailored for Palau	12	WSO Palau, social media	15+	11+	4+
Palau-OCOF Outlook Bulletin	16	WSO Palau, social media, agriculture	15+	10+	5+
Palau-Climate and Ocean Bulletin	19	WSO Palau, social media, agriculture sector	18+	12+	6+
Palau-APCC Regional Outlook	19	WSO Palau, social media	13+	9+	4+
Palau-Climate data request	1-30 April	VMJ Construction Company and WSO Palau, Customer and WSO Palau, Bureau of Agriculture and WSO Palau, Paddling Palau and WSO Palau	8	4	4
PNG - Drought Update	25 April	NGOs, Consultants, Construction Companies, Govt Agencies, Companies, General public	217	177	40
PNG - Weekly Ok Tedi Mine Climate Briefing	12 April	OK Tedi Mine	16	14	2
PNG – Climate data request	1-30 April	NGOS, Consultants, schools, Construction Companies, Govt Agencies, Companies	5	4	1
Samoa – EAR Watch	6 April	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Samoa – Seasonal rainfall Outlook	6 April	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38

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Samoa - Climate summary	6 April	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Samoa – Ocean Outlook	6 April	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Solomon Islands – Climate bulletin	April	Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, Sol Tuna Ltd, UN Women, Council of Women, Community Representatives	58	46	12
Solomon Islands – EAR Watch	April	Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD, Forestry, Ministry of Health, Solomon Water, MECDM, Live and Learn, Tourism, Maritime Service, People with Disability, MID, Ministry of Fisheries, UN Women, Council of Women.	53	39	14
Solomon Islands - Ocean Bulletin	April	Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Glodridge Mining, Ministry of Mines and Energy, MEHRD.	14	9	5
Tonga – Climate Bulletin	3 April	Government ministries. NGOs, Media, Private Sector	155	118	37
Tonga – Ocean Outlook	3 April	Government ministries. NGOs, Media, Private Sector	155	118	37
Tuvalu – Climate Bulletin	26 April	MET Staff Disaster Dept TRC TuCAN Agriculture All Civil Servants  All Kaupule Secretary	20+	10	10

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Tuvalu – EAR Watch	26 April	MET Staff Disaster Dept TRC TuCAN Agriculture All Civil Servants All Kaupule Secretary	43+	23	13
Tuvalu – Ocean Outlook	26 April	MET Staff Disaster Dept TRC TuCAN Agriculture All Civil Servants All Kaupule Secretary	43+	23	13
Tuvalu - Monthly Climate briefing	26 April	MET Staff Disaster Dept TRC TuCAN Agriculture All Civil Servants All Kaupule Secretary	43+	23	13
Vanuatu - Climate Update	10 April	VMGD Website/Social Media	750		
Vanuatu- Ocean Outlook	10 April	VMGD Website/Social Media	709		
Vanuatu-Agro-met Bulletin	19 April	VMGD Website			
Vanuatu-Tourism Climate Bulletin	15 April	VMGD Website/Social Media	273		
Vanuatu-Fisheries Climate Bulletin	15 April	VMGD Website/Social Media	492		
Vanuatu - Climate data request	1-30 April	Research Student – USP WFD, VMGD	2	2	
Vanuatu- Social Media Products : - ENSO Status – Neutral - Dry Season TK Indicators	16 April 26 April	General Public	1914		
Vanuatu-VBTC News	22 April	- VBTC, VMGD, General Public			
<b>Total</b>			<b>6,432</b>	<b>1,551</b>	<b>824</b>

Note: The stakeholder data above may not total up due to lack of data from NMS or no participation.

The discussion can be found in the link below.

Link: [https://sprep.zoom.us/rec/share/LaeFUMKL-PSSYTev0xKtMIYBf7kwZlyKP1wHAMNQB6B8o9Pebm6mMibW4\\_XRtr1.RzAs-cLKp45-zrI7](https://sprep.zoom.us/rec/share/LaeFUMKL-PSSYTev0xKtMIYBf7kwZlyKP1wHAMNQB6B8o9Pebm6mMibW4_XRtr1.RzAs-cLKp45-zrI7)  
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