

Data management and Climate and Ocean Products and Services

Pacific Islands – Ocean and Climate Outlook Forum No. 212 Summary Report

Date: Wednesday 21 May 2025

Time: Australian Eastern Standard Time at 11:00AM (01:00 UTC)

Host: SPREP (Virtual)

Chair: SPREP

Apologies: Niue, Solomon Islands,

Main purpose for the OCOF:

- To provide a regular forum for the 14 participating PIC NMSs to discuss the current ENSO status, recent one and three-month rainfall, drought (if present), their seasonal climate outlooks and stakeholders' engagement with other countries and the SPP (Bureau of Meteorology and SPREP) project team.
- In addition, it serves as an online training forum for recent ACCESS development and gives the project team and the NMSs an opportunity to discuss other project-related matters.

Agenda:

1. Brief introduction of PIC participants, SPREP, SPC and Bureau of Meteorology teams.
2. Report on current ENSO status.
3. Each NMS report on their past one and three-months' rainfall in relation to the current ENSO situation (include ranking and verification), their three-month outlooks and their stakeholders engagement. Wherever appropriate NMS to report on their drought status.
4. Round-table discussion: addressing general concerns/queries on outlooks and SCOPIC, CliKp and ACCESS-S
5. Feedback on COSPPac products and services.
6. Country statements with regards to drought or drought-like conditions, drought module issues/concerns.
7. The next OCOF will be held on **11 June 2025**.

Participants:

The OCOF 212 was attended by 16 climate officers (7 female) from 9 partner PIC NMSs.

Cook Islands: Bates Manea, Bouchard Solomona, and Metua Ngaoire

Fiji: Jasneel Chandra, Douglas Fong

FSM (Chuuk): Boyd Mackenzie

FSM (Pohnpei):

FSM (Yap): Katherine Tun, Jacobs

Kiribati: Kamaitia Rubetaake

Niue:

Papua New Guinea:

Palau: Kiku Mochimaru, and Maylene Joshua

Republic of Marshall Islands:



Samoa: Mattaniah Salesa Solomon Islands: Tokelau: Tonga: Tuvalu: Leiti Setefano, Elifaleti Ene, and Simoea Tiute Vanuatu: Glenda Pakoa Australia: Grant Smith, Jessie Gray, and Claire Yeo NOAA: Brandon Burunt SPREP: Philip Malsale SPC: Moleni Tu'uholoaki WMO:	
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OCOF tables were received from 14 participating countries before the meeting.

Observations of February to April 2025:

Observed rainfall for the one and three-month periods ending April 2025 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
Ono-I-Lau, Fiji	Feb - Apr	1054.2	74	76
Udu Point, Fiji	Feb - Apr	562.8	6	76
Lata, Solomon Islands	April	615.1	50	50
Lata, Solomon Islands	April	1892.7	50	50
Fuamotu, Tonga	April	857.7	43	46

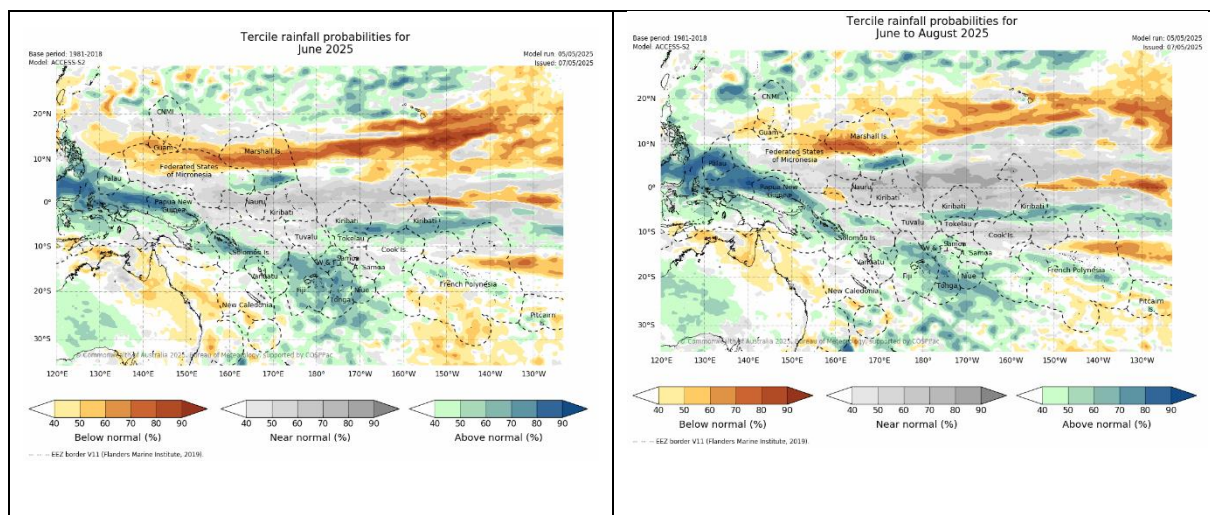
[Note: The above data may not have undergone quality control]

June to August 2025 Outlooks:

ACCESS-S outlooks:

The three-month ACCESS-S rainfall outlook for **June-August 2025** shows strong probabilities for below normal rainfall likely or very likely from Guam, southern CNMI, northern FSM to northern RMI, and northern tip of Line Islands (Kiribati) in the northern Hemisphere. There is also below normal probabilities over central Line Islands (Kiribati), northern French Polynesia, and patches over Pitcairn Islands.

Above normal rainfall is likely or very likely in Palau, northern CNMI, and southern RMI in the northern Hemisphere. There is also strong probabilities for above normal for PNG, Solomon Is., most of New Caledonia, northern Vanuatu, Fiji, Tonga, Wallis and Futuna, Niue, American Samoa, southern Cook Islands, and western French Polynesia. Patches of above normal rainfall likely or very likely over Kiribati (southern Phoenix, and central Line Is.), Tuvalu, and Pitcairn Is.



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

Other matters Discussed:

- ENSO IS neutral and will remain at least October.
- Relay COSPPac SCM discussions
 - to include other countries in OCOF.
 - OCOF will be part of Regional Climate Centre Regional
 - Include engagement (reaction, comment and shares)
- OCOF 213 will be hosted by SPREP via zoom on the 11 June 2025 and chair by Solomon Islands.
- Welcome FSM Yap to their first OCOF.

Observed Rainfall

Country	April 2025	February to April 2025
Cook Islands	Below normal to normal	Below normal
Fiji	Mostly below normal to normal	Mostly below normal to normal
FSM (Chuuk)	Normal	Normal
FSM (Pohnpei and Kosrae)	Below normal and normal	Normal
FSM (Yap)	Above normal	Normal
Kiribati	Mostly above normal	Mostly below normal and normal
RMI	Below normal to normal	Below normal to normal
Nauru	No report	
Niue	Below normal	Above normal
Palau	Normal	Above normal



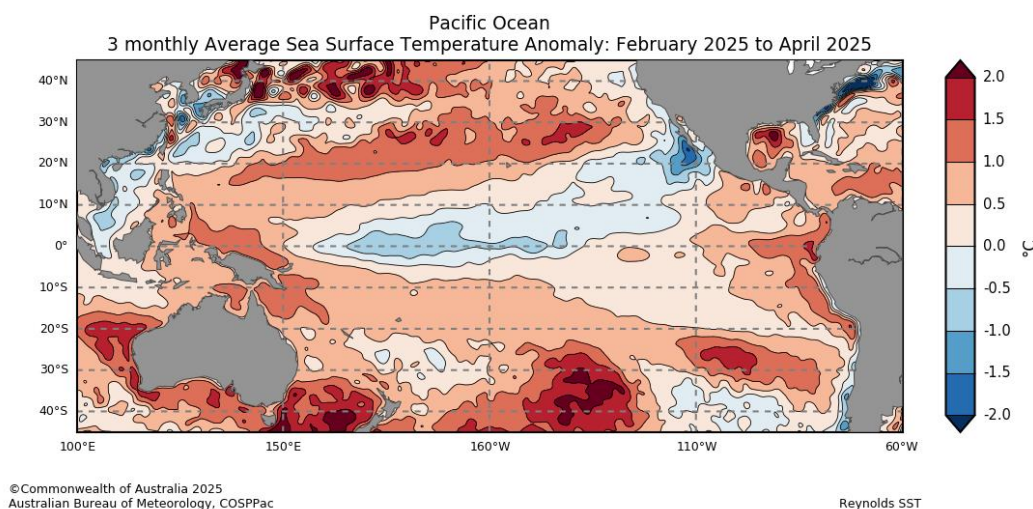
Papua New Guinea	No report	
Samoa	Mostly below normal	Mostly normal
Solomon Islands	Mostly normal	Above normal
Tonga	Mostly below normal	Below normal and above normal
Tuvalu	Normal	Mostly below normal
Vanuatu	Below normal to above normal	Below normal and above normal

Ocean Conditions

Observations of February to April 2025:

Sea surface temperature:

Three-monthly SST anomalies showed above-normal over most of the COSPPac countries, except for near-normal to below normal SST anomalies over Nauru and Kiribati (Gilbert Islands, Phoenix Islands and central and northern Line Islands). Above SST anomalies up to 1.5°C were observed in PNG and part of Palau, with a few patches over western Solomon Islands, Vanuatu, New Caledonia, RMI, FSM, and Fiji. The SST anomalies for the remaining countries were utmost 1.0°C above normal.

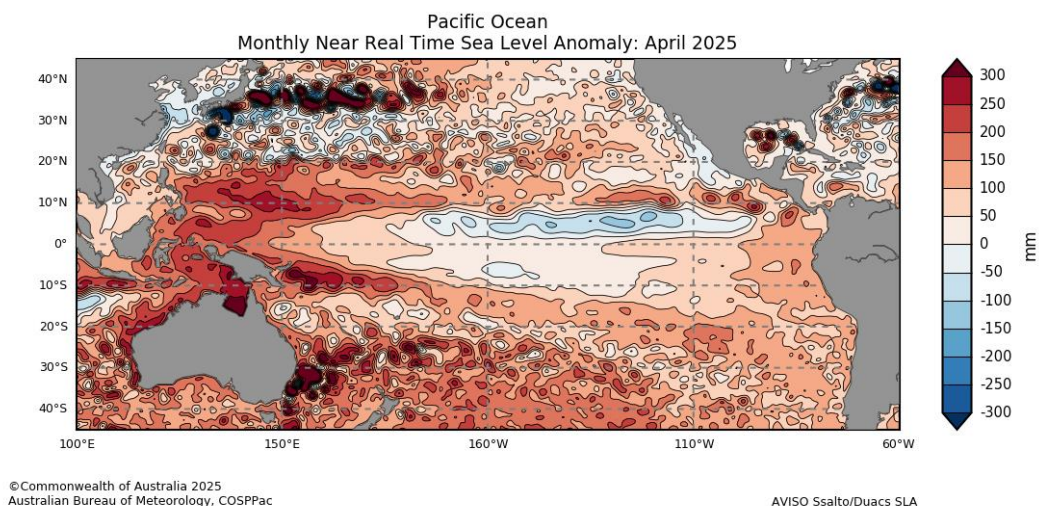


Sea Levels:

April Sea levels:

In April, sea levels were generally above normal across most COSPPac countries. However, near-normal to below-normal sea levels were recorded in parts of Kiribati, particularly the Phoenix Islands and much of the Line Islands. Patches of near-normal sea levels were also observed over the Solomon Islands, Tonga, Niue, and the Cook Islands.

Positive sea level anomalies exceeding +200 mm were observed in Palau, the Marshall Islands (RMI), the Federated States of Micronesia (FSM), Papua New Guinea (PNG), the Solomon Islands, Tuvalu, Tonga, and New Caledonia. Moderate positive anomalies between +50 mm and +200 mm were observed across much of Vanuatu, Samoa, Nauru, Kiribati (Gilbert Islands and the southern edge of the Line Islands), Fiji, Tonga, the Cook Islands, and New Caledonia. Meanwhile, near-normal anomalies (-50 mm to 50 mm) persisted across most of the Kiribati Islands, particularly in the Phoenix and Line Islands.



June to August Outlooks:

Sea surface temperature (SST) outlook:

SSTs are forecast to be above normal across most of the Pacific Islands, except for patches of near normal to be observed over Kiribati Islands, Cooks Islands and French Polynesia. Above normal as high as 1.2°C are predicted for Palau, FSM, PNG, Solomon Islands, Vanuatu, Fiji, Tonga, New Caledonia. Additionally, above normal SSTs but as high as 0.8°C are predicted for the rest of the countries.

Sea level outlook:

Sea levels are forecast to be as high as 200mm over Palau, but 100mm over FSM, southern New Caledonia, southern Fiji and southern Tonga. In contrast, sea levels are predicted to be below normal as low as 100mm over eastern Solomon Islands, Tuvalu, Tokelau, southern part of Phoenix Islands, Niue and Cook Islands and 60mm over southern Line Islands. The remaining parts of countries and countries not mentioned yet are forecast to be near-normal.

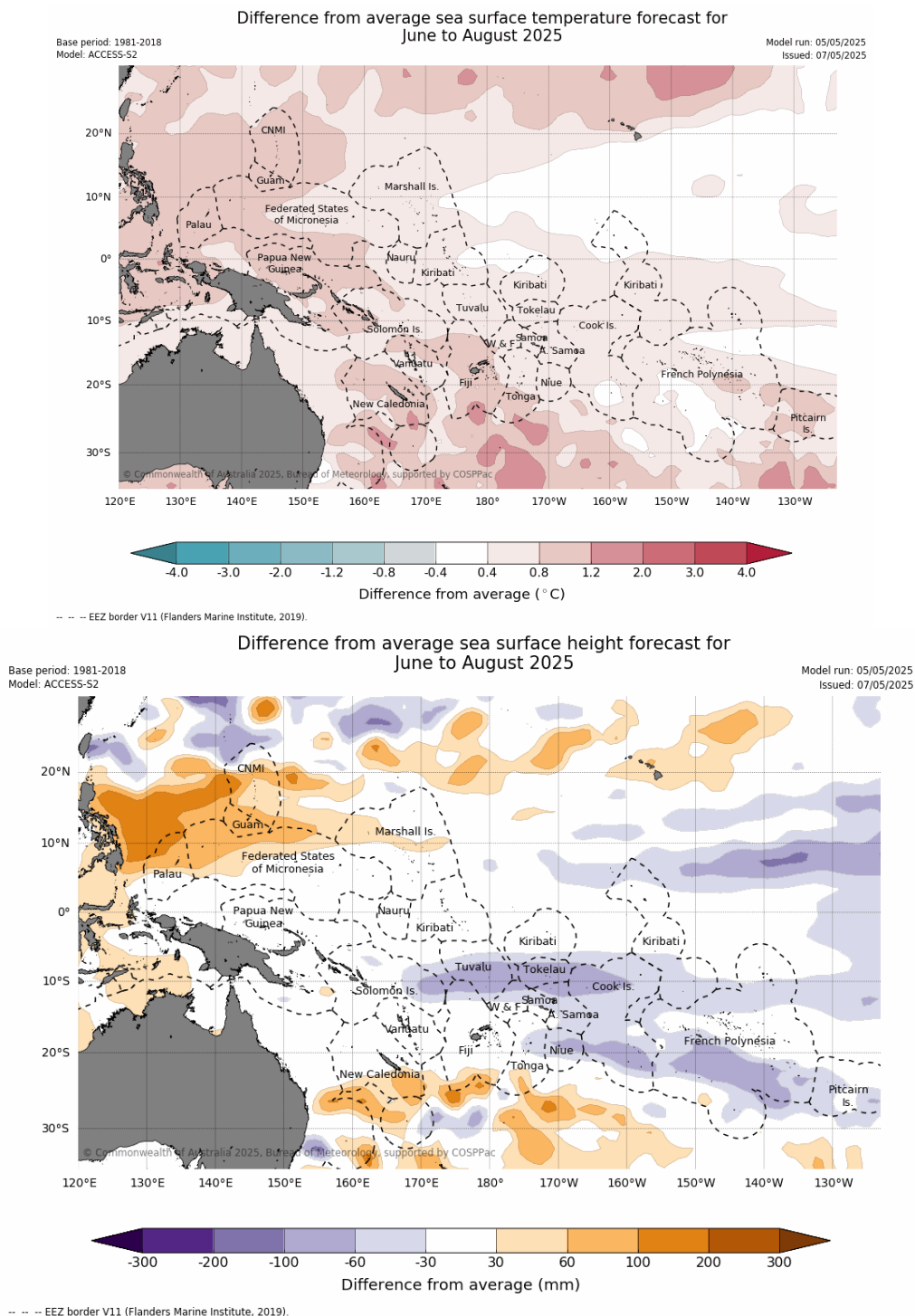
Note that this outlook does not include trends of sea level rise.

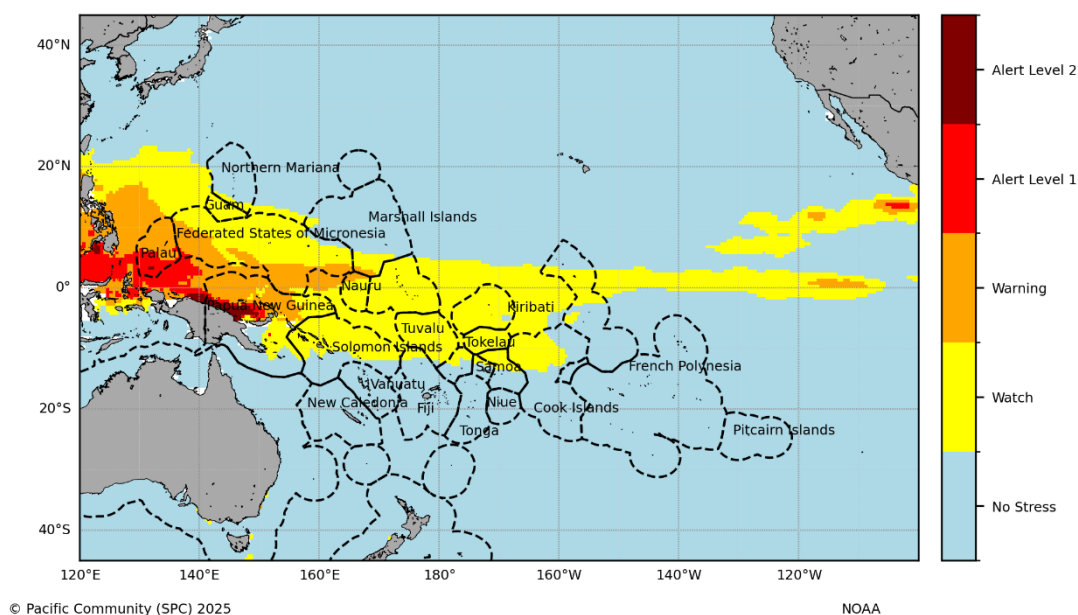
Coral Bleaching Outlook:

For the four week outlook to 9 June, "Alert Levels 2 and 1" over part of PNG and "Alert Level 1" over southern half of Palau. "Warning" for the remainder of PNG and Palau, as well as areas of southern FSM. 'Watch' or 'No Stress' over other countries.

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Pacific Islands
 4 Week Coral Bleaching Outlook: 9 June 2025


Observed Conditions

SST: sea surface temperature anomaly

SLA: sea level anomaly

BN: Below Normal

NN: Near Normal

AN: Above Normal

Country	February 2025	
	SST	SLA
Cook Islands	AN/NN	AN/NN
Fiji	AN	AN/NN
FSM (Chuuk)	AN/NN	AN
FSM (Pohnpei&Kosrae)	NN	AN/NN
FSM (Yap)	AN	AN
Kiribati	AN/NN/BN	AN/NN/BL
Marshall Islands	AN/NN	AN
Nauru	AN/NN	AN
Niue	NN	AN/NN
Palau	AN	AN
Papua New Guinea	AN/NN	AN
Samoa	AN	AN
Solomon Islands	AN	AN/NN
Tonga	AN/NN	AN/NN
Tuvalu	AN/NN	AN/NN
Vanuatu	AN	AN/NN



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

Country	Date April 2025	Stakeholder	Total Number of Participants	Number of male	Number of female	Disability	Age group
Cook Islands – Climate Bulletin	April	Climate Change, Red Cross, Island Council and Executive Officers, To Tatou Vai, etc	53				
Cook Islands – Climate data request	April	To Tatou Vai, and MMR	5	2	3		
Fiji - Climate Summary	7 April	General Public	140	106	34	3	25-60
Fiji - EAR Watch	15 April	Humanitarian partners	122	96	26		25-60
Fiji - Climate Outlook	28 April	General Public	124	93	31	3	25-60
Fiji - Climate Outlook for Monasavu	29 April	Energy Fiji Limited	13	13			25-60
Fiji - Ocean Outlook	16 April	A number of key ocean related stakeholders	36	29	7		25-60
Fiji - Sugarcane rainfall outlook	25 April	Sugar Industry stakeholders	77	60	17		25-60
Fiji - Meteorologic al data request	1-30 April	A range of stakeholders	41	30	11		25-60
FSM (Chuuk) -Climate Bulletin	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7		20-60
FSM (Chuuk) -EAR Watch	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7		20-60
FSM (Chuuk) – Ocean Outlook	April	DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7		20-60
FSM (Pohnpei) – Climate bulletin	April	Pohnpei Municipal Gov't, Kosrae Municipal Gov't, Pohnpei and Kosrae DCO, Dept. Of Education, Red Cross, Fisheries,	66	53	13		25-60



		Environmental Protection Agency, DECEM, Mayors, Dept. Of Public Safety, Pohnpei Utility Corporation, Tourism, Fisheries, Conservation Society of Pohnpei					
FSM (Pohnpei) – 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, Conservation Society of Pohnpei	66	53	13		25-60
FSM (Yap) – SPREP Attachment	28 April – 2 May	Yap WSO and SPREP	2	1	1		30-45
Kiribati - Climate bulletin	14 April	Government and Non-Government Organisations and Public subscribed to the products.	158	70	88	1	25-65
Kiribati – EAR Watch	17 April	Drought Committee Members.	62	35	27		25-55
Kiribati - Media release	14 April	Media Outlets in Kiribati (BPA, Government Communications, Church Faith Based).	53	23	30		25-50
Kiribati - Ocean Bulletin	14 April	Government and Non-Government Organisations and Public subscribed to the products.	158	70	88	1	25-65
Marshall Island –EAR Watch	18 April	National Disaster Management Office	12	10	2		
Marshall Island – Climate briefing	18 April	Chief Secretary Office and National Disaster Management Office	7	4	3		
Nauru	April	No report					
Niue - Climate Bulletin	29 April	Government all staff General Public	910	410	500		
Niue- EAR Watch	29 April	Water Sector	910	410	500		
Palau- Climate data request	1 April	Environ-mental Assessment Preparer/Consultant of Neco Group of Companies and WSO	2	1	1	n/a	32-60



Palau-EAR Watch Stake-holder Work-shop	2-3 April	NEMO, Koror State Rangers, PPUC, Ministry of Health and Human Services, Bureau of Agriculture, Palau Red Cross Society, Bureau of Fisheries, and Coral Reef Research Foundation	28	13	15	n/a	32-60
Palau-Related to Climate Extremes workshop in March 2025	3 April	NOAA PRH Climate Services, WSOs Palau, Yap, Chuuk, Pohnpei and Majuro	6	4	2	n/a	30-60
Palau-Koror QC and Homogenisation	4 April	BoM and WSO	2	1	1	n/a	32-60
Palau-CLiDE	4-7 April	BoM and WSO	3	2	1		32-60
Palau-Palau's Climate Extremes PPT	7 April	NOAA NWS PRH Climate services and WSOs Climate representatives from Chuuk, Pohnpei, Marshall Is.	5	4	1		32-60
Palau-PPTs on Climate Drivers and Koror Climate, and recap on understanding probabilities and terciles	7 April	EAR Watch Stakeholders Engagement workshop participants	28	13	15	n/a	32-60
Palau-Weekly Fisheries Bulletin	1, 8, 15, 23, 30 April	16 State Gov Offices, Coral Reef Research Foundation, Ministry of Health, JICA, Ministry of Education, Ministry of Health, Pristine Paradise Palau (Visitors Authority), Palau Housing, Palau Executive Office, Palau House of Delegates, Local UNDP, Island Times, Japan Embassy, US Embassy, NEMO, Local and Regional UNEP CISPac5 PMU, Bureau of Marine Transportation, Palau Red Cross, Palau Public Utilities Corporation, PALARIS, CIP, Public Works, Division of Customs and Border Patrol, NOAA Pacific Region Headquarter, ECO Paradise Radio/TV, Palau Small Business Development Center, Bureau of Foreign	130	51	79	n/a	32-60



		Affairs-Ministry of State, Australia Embassy, Tia Belau Newspaper, Palau National Communications Corporation, WSO Palau, and social media					
Palau-EAR Watch	8 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	134	53	81	n/a	32-60
Palau- Missing AWS data in NEON and CLIDE	9 April	NIWA and WSO	3	1	2	n/a	32-60
Palau-Data request	10 April	Palau Public Utilities and WSO	4	3	1	n/a	32-60
Palau-USAPI Obs/ Climate Chat	11 April	NOAA NWS Weather and Climate Offices in the NH and USAPIs					
Palau- Locally tailored NOAA NWS CPC ENSO Updates, Tropical Pacific Islands Monthly and Seasonal Outlooks and US Drought Monitor Summary	14 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	130	51	79	n/a	32-60
Palau- Monthly 24- Hour Rainfall and Average Temperature rs for March	15 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	130	51	79		
Palau- Palau's Island Climate Update	16 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	134	52	82	n/a	32-60
Palau- Locally tailored Palau PICASO and APCC Bulletin	16 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media WSO Palau, and social media	132	51	81	n/a	32-60
Palau- Rainfall and Air	18 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	132	52	80	n/a	32-60



Temperature Bulletin							
Palau-Sharing videos : Droughts in the Pacific and The Pacific Adventures of the Climate Crab	21 April	WFO Guam technician, teacher in Special Education, and WSO	3	1	2	n/a	30-60
Palau-Monthly Ocean Bulletin	22 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	130	51	79	n/a	32-60
Palau-Video : Data Quality (leaning into the International Girls/Women in Information and communication technologies (ICT))	23 - 24 April	Emailed by SPC videographer and WSO Social media	4	1	3	n/a	25-60
Palau-Virtual NCOF-2	30 April	Coral Reef Research Foundation, Palau Public Utilities Corp, Climate Change Office representative, Agriculture, Ngeremlengui State Office, Palau International Coral Reef Research Center (PICRC), two other stakeholders	11	4	7	n/a	25-60
Palau-Climate Bulletin	30 April	Emailed to 130 stakeholders listed in the Fisheries Bulletin and posted on social media	130	51	79	n/a	32-60
Papua New Guinea	April	No Engagement					
Samoa – EAR Watch	28 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	85	37	48		21-50



Samoa – Ocean Outlook	28 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	85	37	48		21-50
Samoa – Seasonal Climate Outlook	28 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	85	37	48		21-50
Solomon Islands – Malaria Outlook	15 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	5	4	1		30-50 years
Solomon Islands – EAR Watch	14 April	Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goodridge 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	14 April	Red Cross, NDMO, Ministry of Agriculture, SIBC, Hydrology, Solomon star, Paoa FM, World Vision, Goodridge Mining, Ministry of Mines and Energy, MEHRD	31	24	7		Above 30 years
Solomon Islands - Climate Data request	1-31 April	USP Student, Solomon Power Project, Ministry of Infrastructure Development Projects, Leileigela Conservation Trust Board, Ministry of agriculture and	5	5	0		Students 16 - 20 yrs & 30 above



		Livestock (MAL), Phd student (Agricultural research)					
Solomon Islands – Climate briefing	April	PAOA FM	2	0	2		30 years and above
Solomon Islands - WMO Day	16 April	High School Teachers and Students Representatives (St . Nicholas, Honiara High School, St. Joseph Tenaru, Mbokona CHS and King George vi (KGV I)), Solomon Islands Broadcasting Corporation (SIBC), Ministry of Health and Medical Services (MHMS), Ministry of Agriculture and Live Stock (MAL), Ministry of Communication & Aviation (MAC), National Hydrological Services, Solomon Islands Maritime Authority (SIMA) .	64	46	18		1 8 to 20 Students And 30 above for Workers
Solomon Islands - Flood EWS (Makira Is.)	April	Provincial Disaster office, Boat Skippers from Provincial Agriculture, Fisheries , and the General public Outboard Motor (OBM) owners and Skippers, National Disability Forum Solomon Islands, Makira Provincial Government Representatives, Provincial Police , Solomon Islands Knowledge - Action - Sustainability for Resilient Villages (SOLKAS)	33	31	2		30 years and over
Tonga – Climate Bulletin	3 April	Government ministries, NGOs, Media, Private Sector	255	188	37		
Tonga – Ocean Outlook	3 April	Government ministries, NGOs, Media, Private Sector	255	188	37		
Tuvalu – Climate Bulletin	April	MET Staff, Disaster Dept, TRC, TuCAN, Agriculture, Head Quarter, (PWIDW), All-Island, Council, Permanent Sec, Gov, Fisheries Dept, Health Dept, TEC Dept, Environment, Climate Change, Tuvalu Maritime School	64	41	23		
Tuvalu – EAR Watch	April	MET Staff, Disaster Dept, TRC, TuCAN, Agriculture, Head Quarter, (PWIDW), All-Island, Council, Permanent Sec, Gov, Fisheries Dept, Health Dept, TEC Dept, Environment, Climate	64	41	23		



		Change, Tuvalu Maritime School					
Tuvalu – Ocean Outlook	April	MET Staff, Disaster Dept, TRC, TuCAN, Agriculture, Head Quarter, (PWIDW), All-Island, Counsil, Permanent Sec, Gov, Fisheries Dept, Health Dept, TEC Dept, Environment, Climate Change, Tuvalu Maritime School	67	44	23		
Tuvalu - Monthly Climate briefing	April	Climate section, and Forecast Section	2	2			
Tuvalu – Climate data request	1-30 April	World Bank renewable Energy projects CSIRO	2				
Vanuatu – Climate Update	14 April	Website					
Vanuatu – Fisheries bulletin	7 January	Website Fisheries Dept.	3	2	1		
Vanuatu – EAR Watch	16 April	Website					
Vanuatu - Outreach & Awareness to every island in the Torba Province	26th April – 13th May	Schools and Communities	Over 1000 students, teachers, and communities members	400 +	600 +	Less than 10	From students to old age
Vanuatu - Klaemet Save » Talk-back Show	23rd April	General Public	2.7K Views				
Vanuatu - Central Primary School Public Speaking Event	17th April	Ministry of Climate Change, Central School, Parents, General Public	96	56	40	0	6 – 50
Vanuatu - Health Week	9-11th April	VMGD, all govt minitries, NGOs, General Public	102	38	57	2	10 - 50
Vanuatu - Climate data request	1-30 April	Airports Vanuatu Limited	1	1			
Total			9,400	3,364	3,214	20	

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

The OCOF 212 discussion can be found in the link below:

Link-

https://sprep.zoom.us/rec/share/F9O8vETQ2GkQxSSBClorjRv8NqiyuaGAnsspGoZdRx8tgtG_gH3mZoZfGbEIT1-W.ppNnBII1RHv5SpoT

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