

TRAVEL REPORT FORM

출장보고서

결 재	사원	부서장	원장직무 대행	
	07/17 김보라	07/18 문상원	07/18 유진호	
협 조				

I. Travel Overview 출장개요

1. Traveler(s) 출장자

Department 소속	Position 직위(직급)	Name 성명	Note 비고
Climate Prediction	Research Fellow	Dr. WonMoo Kim	
Climate Prediction	Research Fellow	Dr. Yun-Young Lee	
Climate Prediction	Research Fellow	Dr. Soo-Jin Sohn	
External Affairs	Senior International Project Manager	Ms. Bo Ra Kim	

2. Travel Period 출장기간

- 6월2일(토) ~ 6월11일(일)

3. Occasion and destination 행사 및 출장지

- PICAPS Sub-Regional Training Workshop
- Tarawa, Kiribati

II. Major Activities 주요업무 수행내용

1. Main Contents and Activities 주요내용 및 활동

- Pacific Initiative for Climate Application & Prediction Services (PICAPS)
Sub-Regional Training Workshop to train participants from the Pacific Islands on how to effectively utilize PIZAO v1.2
- Build the capacity of SPREP to serve as a regional coordinator for OCOF and PICOF
- Increase the usage of APCC's climate services including PICASO in generating

forecasts in the Pacific region

- Please see APCC-내부-18-0918(2018-07-13)호 for more information.

2. Relevance to APEC Climate Center's Activities 결론 및 소감

- This training was held to close the PICAPS project activities

3. Suggestions and Remarks 건의사항

III. References (Presented and Collected Materials) 주요 수집자료

(with attachment of any information or report in case of attendance of conferences, workshops and meetings) 학술대회, 워크숍, 회의 등 참석 시 관련 정보 및 문서 첨부

Pacific Initiative for Climate Application & Prediction Services (PICAPS)

Sub-Regional Training Workshop Final Report

July 6, 2018

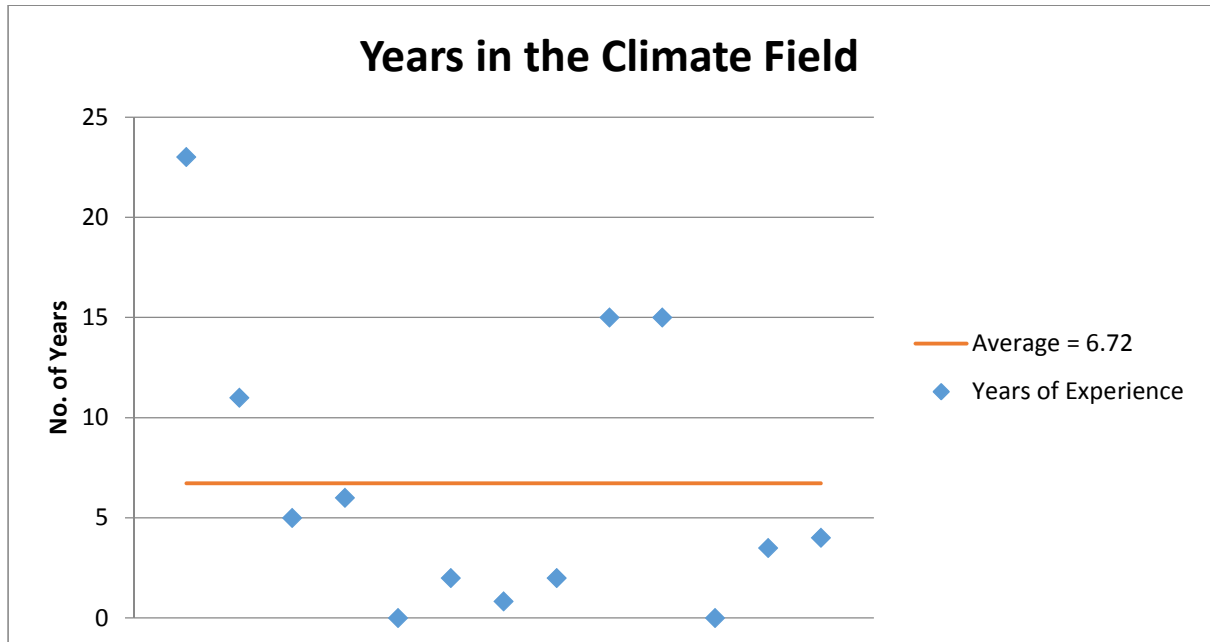
I. Training Program Summary

- Title: Pacific Initiative for Climate Application & Prediction Services (PICAPS) Sub-Regional Training Workshop Final Report
- Topic: Enhancing tailored seasonal prediction capacity in the Pacific Islands
- Date: 5 – 8 June 2018
- Venue: Utirerei Motel
- Participants: 18 participants from 7 countries
 - Marshall Islands (1)
 - Tuvalu (2)
 - Nauru (2)
 - Palau (1)
 - Federated States of Micronesia (2)
 - Kiribati (8)
 - Samoa – Secretariat of the Pacific Regional Environment Programme (2)
- Purpose: To build seasonal prediction capacity in the Pacific region through a tailored climate prediction system (PICASO)
- Program Overview:

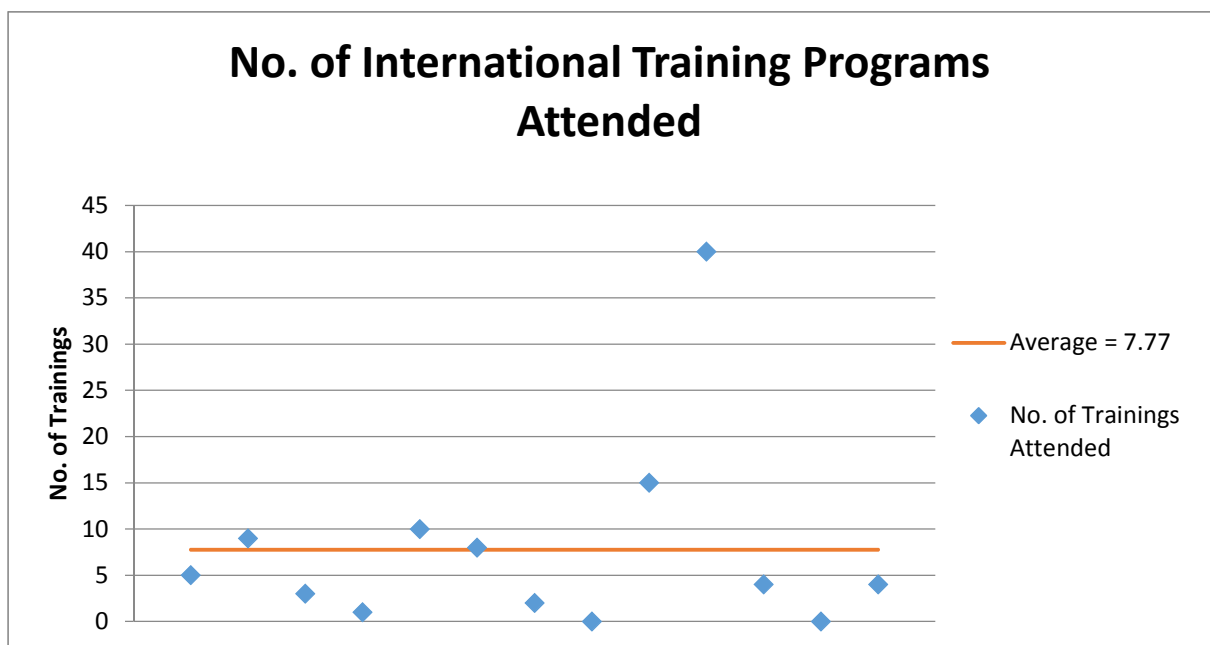
DAY 1 (5 June)	DAY 2 (6 June)
□ Opening/Project Overview □ Understanding the main functions of PICASO	□ How to generate forecasts and interpret them □ Understanding your climate predictors □ Generating seasonal outlooks
Day 3 (7 June)	Day 4 (8 June)
□ Generating seasonal outlooks □ Seasonal outlook presentations and feedback □ Closing □ Closing dinner event	□ Regional function overview □ Future needs discussions □ Closing

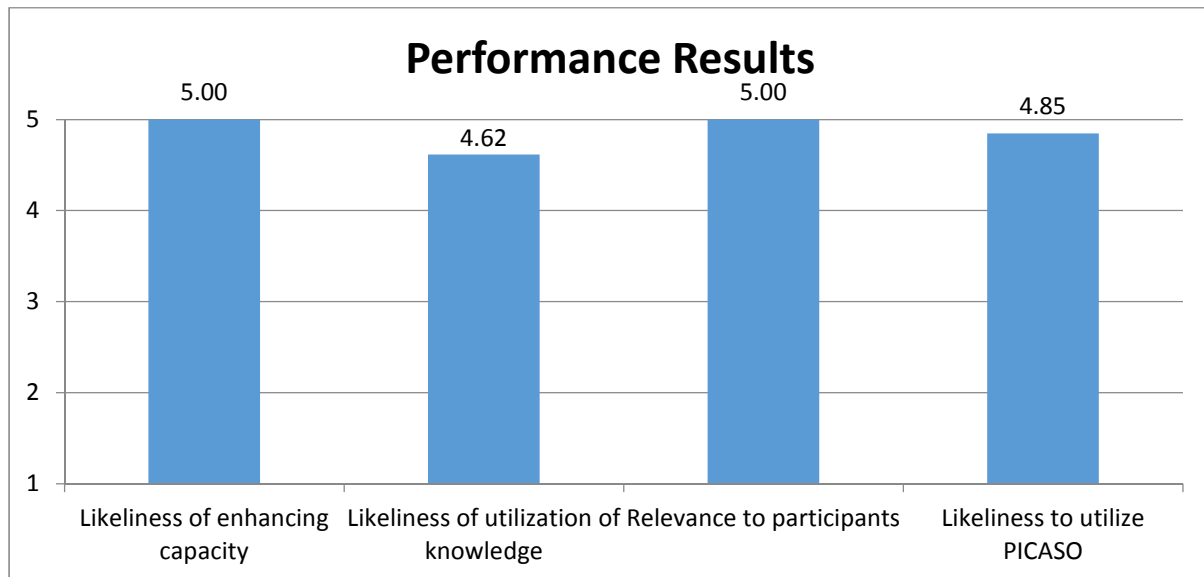
II. Training Program Evaluation

The participants varied in their years of experience in the climate field. The average years was 6.72, but there were more participants present with less than 5 years of experience.



The participants also varied in the number of training programs they have attended, varying from 0 to approximately 40 events. The average number of training attended was 7.77, but there were more participants present with less than 5 training events attended in the past.



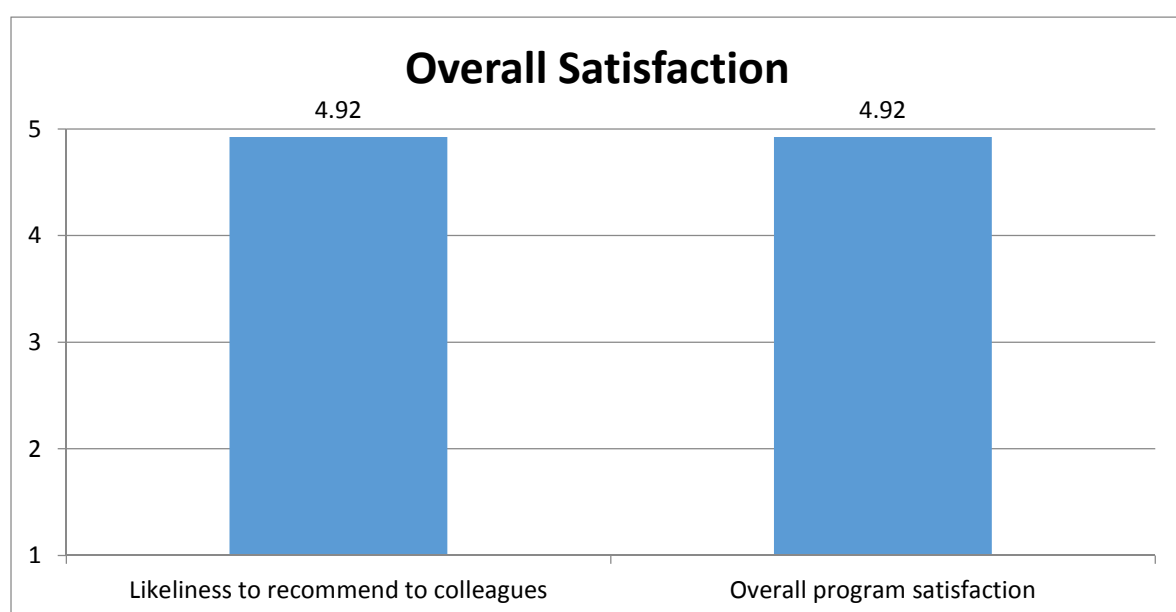


Common positive themes:

- Many participants expressed positive sentiments regarding PICASO
- Many participants mentioned the usefulness of PICASO in producing outlooks and providing information for stakeholders
- Many participants expressed positive sentiments on the facilitators, as well as the organization of the training program.

Common negative themes:

- Would like even more practical exercises regarding generating outlooks with PICASO
- The second day was much easier to follow than the first day, perhaps the first day's contents can be spread out between the two days
- Would have liked more time

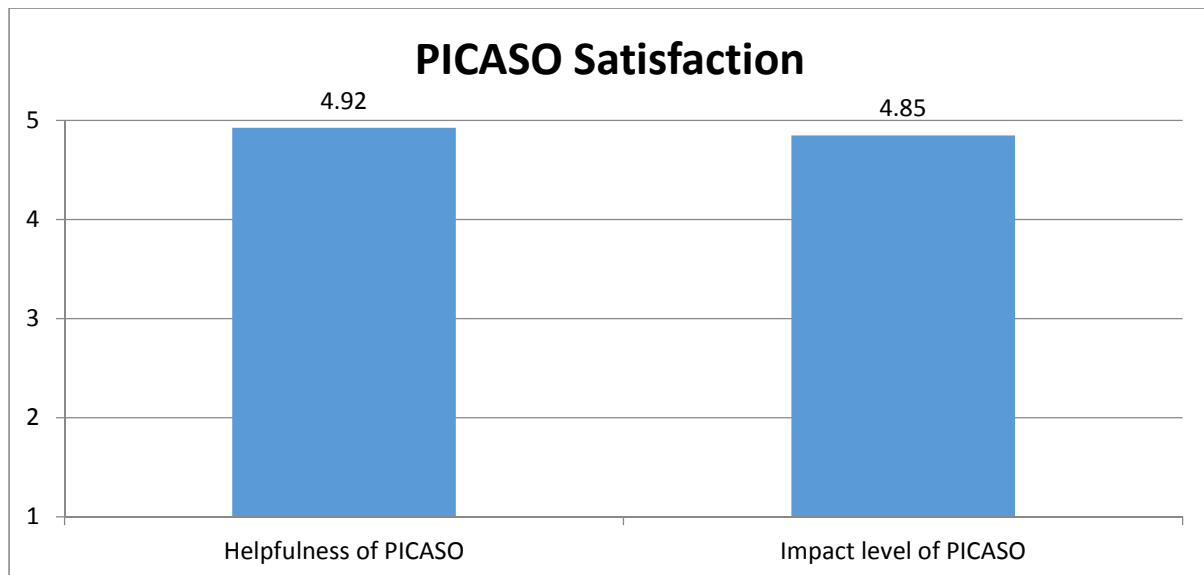


Common positive themes:

- The training logistics, agenda, and training program were all well-organized overall
- Instructors were very knowledgeable in their fields and were very approachable for questions

Common negative themes:

- Would like more time



Requested changes/additions to PICASO:

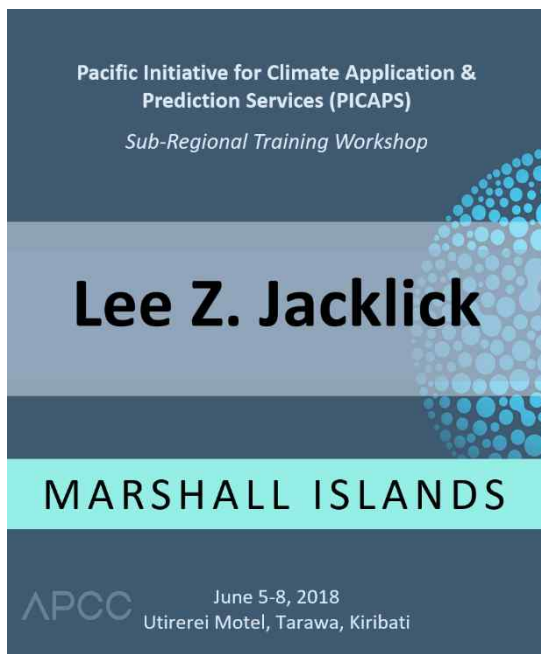
- Addition of unit conversions (inches, mm, etc.)
- Flexibility of maps so different islands can be labeled
- Ability to directly copy and paste from Co-PICs
- Integration with SCOPIC outputs
- Bar chart outlook in addition to the existing pie chart

Other climate services requested from APCC:

- Hydrology and sea level rise
- Stakeholder needs assessment and information on how other countries apply climate information to sectors
- Sub-seasonal to Seasonal forecasts
- Downscaling

III. Operation

- ☐ Meals
 - Catering during training program: Utirerei Motel
 - Catering for dinner event: Betio Lodge Restaurant
- ☐ Name Tags



- ☐ Banners



- ☐ USB: contained PICASO software installation file and relevant necessary data sets



IV. Program

DAY 1: 5 June 2018 (Tue)					
Start Time	End Time	Length	Contents		Lead
9:00	9:30	0:30	Opening Session	Registration	Bo Ra Kim
9:30	9:35	0:05		Kiribati Welcome Remarks	TBD
9:35	9:45	0:10		APCC Welcome Remarks + Introductions	Bo Ra Kim
9:45	9:50	0:05		Group Photo	
9:50	10:20	0:30		Project Overview: VIDEO + ROK-PI Clips + PICAPS	Bo Ra Kim
10:20	10:50	0:30	Coffee Break		
10:50	10:55	0:05	Introduction to PICASO and the training workshop	Training Workshop Objectives & Outcomes Expected	WonMoo Kim
10:55	11:15	0:20		Why PICASO?	WonMoo Kim
11:15	12:05	0:50		What's PICASO?	WonMoo Kim
12:05	12:20	0:15		PICASO Demonstration + What's New?	Bo Ra Kim
12:20	13:20	1:00	Lunch		
13:20	14:20	1:00	Utilizing the PICASO functions	Preparation & Installation of PICASO	Soo-Jin Sohn
14:20	15:20	1:00		Data: Import, Export, and Edit	Yun-Young Lee
15:20	15:50	0:30		Coffee Break	
15:50	16:50	1:00		Outlook: Tercile Forecast and Recent History	WonMoo Kim
16:50	18:05	1:15		Details: Scores, Interactive Probability, and History	Yun-Young Lee
18:05	18:10	0:05		Wrap-Up	Bo Ra Kim
DAY 2: 6 June 2018 (Wed)					
9:00	11:00	2:00	How to interpret and understand your outlook	Recap	WonMoo Kim Yun-Young Lee
11:00	11:30	0:30		Coffee Break	
11:30	12:00	0:30		CO-PICs and Guide: How to Interpret	Soo-Jin Sohn
12:00	12:30	0:30		PICASO Functions: Settings, Themes, and Exports	Yun-Young Lee
12:30	13:00	0:30		Interpretation of Large-Scale Climate Information (Guide)	Soo-Jin Sohn
13:00	14:00	1:00		Lunch	

14:00	15:30	1:30		Exercise + Presentation: Understanding Your Climate Predictors	Soo-Jin Sohn	
15:30	15:50	0:20	Coffee Break			
15:50	17:50	2:00	Generating your outlook	Generating Seasonal Outlook	Soo-Jin Sohn	
17:50	18:00	0:10		Wrap-Up	Bo Ra Kim	
DAY 3: 7 June 2018 (Thu)						
9:00	9:15	0:15	Generating your outlook (cont.)	Recap	WonMoo Kim	
9:15	10:30	1:15		Generating Seasonal Outlook (cont.)	Soo-Jin Sohn	
10:30	11:00	0:30		Coffee Break		
11:00	11:30	0:30		Seasonal Outlook Presentations	WonMoo Kim	
11:30	12:00	0:30		Feedback and Discussions	WonMoo Kim	
12:00	12:15	0:15	Closing Session	Feedback (Evaluations)	Bo Ra Kim	
12:15	12:20	0:05		APCC Closing Remarks	Bo Ra Kim	
12:20	12:25	0:05		Kiribati Closing Remarks	TBD	
12:25	14:00	1:35		Lunch		
14:00	15:00	1:00		Overview of Regional PICASO for SPREP	PICASO Skill Assessment Overview	WonMoo Kim
15:00	16:00	1:00	PICASO Upgrades Overview		WonMoo Kim	
16:00	16:30	0:30	Coffee Break			
16:30	17:30	1:00	Possible Future Issues		WonMoo Kim	
18:00	20:30	2:30	Training Workshop Dinner			
DAY 4: 8 June 2018 (Fri)						
9:30	10:45	1:15	Generating regional outlooks	Outlook: Map and Table Export Functions	Yun-Young Lee	
10:45	11:15	0:30		Coffee Break		
10:45	12:00	1:15		Data: Inputting Regional Data	Yun-Young Lee	
12:00	12:30	0:30		Lunch		
12:30	15:30	3:00		Creating regional outlooks	Soo-Jin Sohn	
15:30	16:00	0:30	Coffee Break			
16:00	18:00	2:00	The future of PICASO	Feedback and Discussions	WonMoo Kim Bo Ra Kim	

V. Event Photos



Ms. Bo Ra Kim and Ms. Maryanne Namakin from the Office of the President join to deliver opening remarks



Official group photo of the sub-regional training workshop



Dr. WonMoo Kim leads a group session



Ms. Bo Ra Kim provides one-on-one assistance to one of the participants from FSM



Dr. WonMoo Kim provides one-on-one assistance to the two participants from Nauru



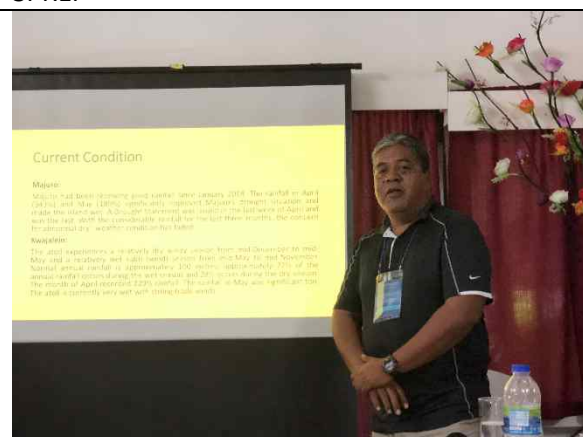
Dr. Soo-Jin Sohn provides assistance to two participants from Kiribati



Dr. Yun-Young Lee provides one-on-one assistance to one of the participants from SPREP



Mr. Clinton Masami (Palau) delivers a presentation on the last day on the outlook generated by PICASO for the upcoming season



Mr. Lee Jacklick (Marshall Islands) delivers a presentation on the last day on the outlook generated by PICASO for the upcoming season



Mr. Elifaleti Ene (Tuvalu) receives his training certificate for successfully completing the training workshop.

VI. List of Participants

No.	Name	Nation	Organization	Position Title
1	Lee Z. Jacklick	Marshall Islands	RMI National Weather Service	Data Acquisition Program Manager/SWSS
2	Charles Fiaola	Tuvalu	Tuvalu Meteorological Service	Assistant Forecaster
3	Elifaleti Ene	Tuvalu	Tuvalu Meteorological Service	Senior Climate Officer
4	Sebastian Detenamo	Nauru	Nauru National Emergency Services	Meteorology Officer
5	Graymea Ika	Nauru	Nauru National Emergency Services	Meteorology Officer
6	Sunny Kamuta Seuseu	Samoa	Secretariat of the Pacific Regional Environment Programme	Climate Information Services Officer
7	Tavita Su'a	Samoa	Secretariat of the Pacific Regional Environment Programme	IT Support Officer
8	Sanchez Salle	FSM	FSM NOAA NWS Weather Service Office	Supervisory Weather Service Specialist
9	Wallace Jacob	FSM	FSM NOAA NWS Weather Service Office	Weather Service Specialist
10	Clinton William Masami	Palau	Palau National Weather Service	Weather Service Specialist
11	Kamaitia Rubetaake	Kiribati	Kiribati Meteorological Service	Climate Officer
12	Mwata Keariki	Kiribati	Kiribati Meteorological Service	Assistant Climate Officer
13	Tebwaau Tetabo	Kiribati	Kiribati Meteorological Service	Climate Officer
14	Thomas Zackious	Kiribati	Kiribati Meteorological Service	Climate Officer
15	Kien Teteki	Kiribati	Kiribati Meteorological Service	Climate Officer
16	Teera Tetam	Kiribati	Kiribati Meteorological Service	Climate Officer
17	Taumoa Bateriki	Kiribati	Kiribati Meteorological Service	Climate Officer
18	Roonga Iabeti	Kiribati	Kiribati Meteorological Service	Senior Technical Officer
19	Ueneta Toorua	Kiribati	Kiribati Meteorological Service	Director
20	Maryanne Namakin	Kiribati	Office of the President	Permanent Secretary
21	Michael Foon	Kiribati	National Disaster Management Organization	Director