# AOMSUC-12

#### 11-18 November 2022

Online, Hosted by Japan Meteorological Agency

12th Asia - Oceania Meteorological Satellite Users' Conference

"Satellite Meteorology Training in WMO RAV during 2021/22; the Australian VLab Centre of Excellence experience"

Joint RAII – RAV Coordination Meeting

Presenter: Agnes Lane. Australian Bureau of Meteorology



## "Satellite Meteorology Training in WMO RAV during 2021/22; the Australian VLab Centre of Excellence experience"

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### Contents

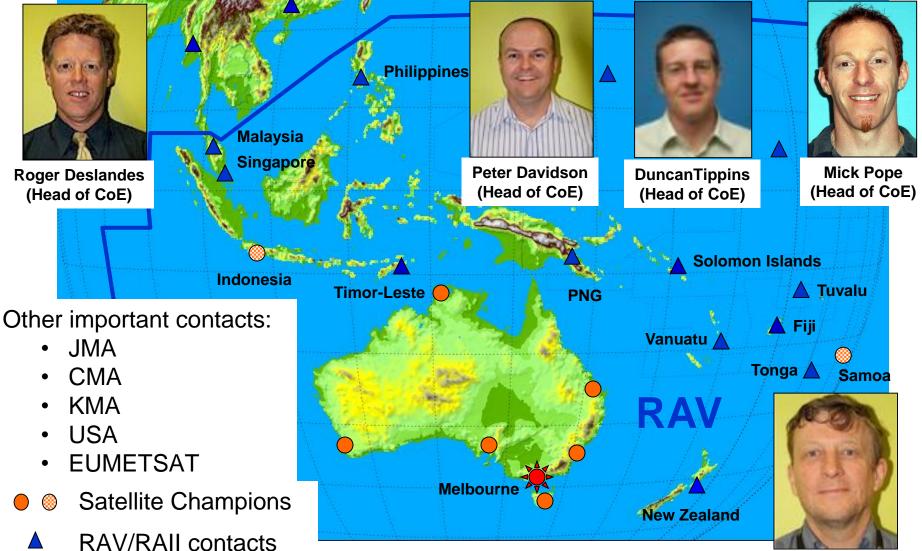
A summary of the satellite meteorology training conducted by the Australian VLab Centre of Excellence over the past year.

The presentation focusses on the monthly Regional Focus Group (RFG) meetings, highlighting:

- Celebration of the 100<sup>th</sup> RFG meeting.
- Highlighting the contribution by and collaboration with regional subject experts in adding to the variety and value of the training.
- Direction and initiatives for 2023



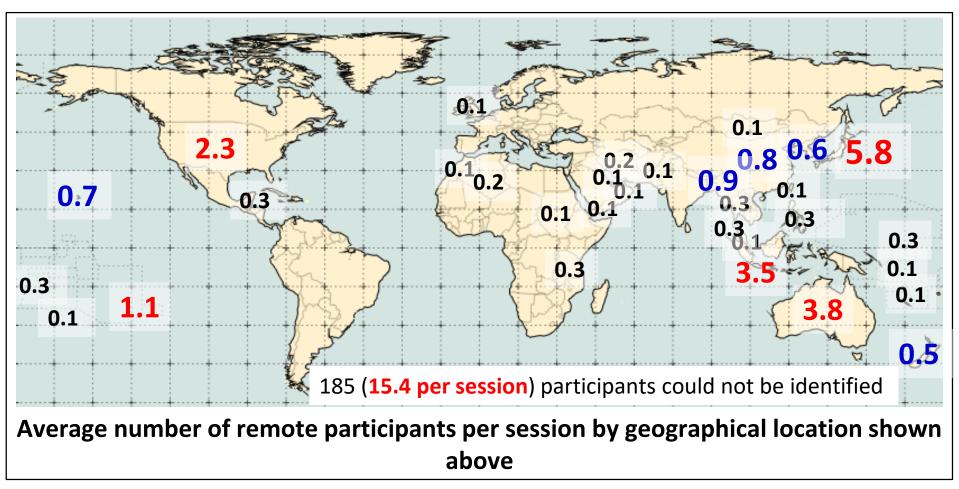
# The Australian VLab Centre of Excellence and contacts 2013 to 2022



Bodo Zeschke (Main Point of Contact)

The Bureau of Meteorology

# The Australian VLab Centre of Excellence and contacts 2013 to 2022



#### Total number of remote stakeholders attending the 11 sessions = 468+ Average number of participants per session = 39+











Australian Government Bureau of Meteorology











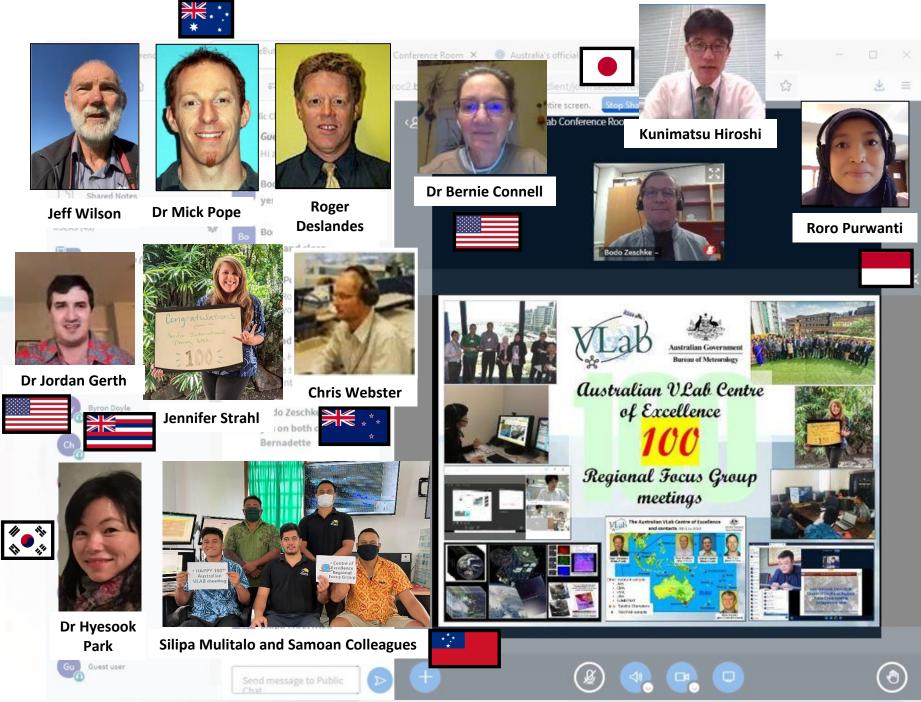


Regional Focus Group meetings





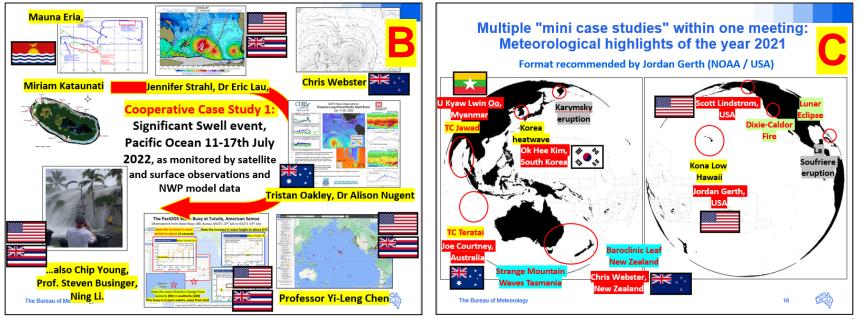






#### Presentations by VLab Colleagues

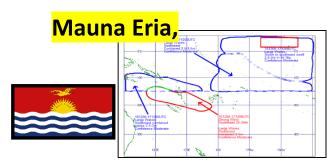
- A. Invited Speakers
- **B. Group Case Studies**
- C. Mini Case Studies



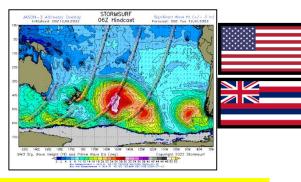
#### **Presentations by invited speakers since AOMSUC-11**



The Bureau of Meteorology

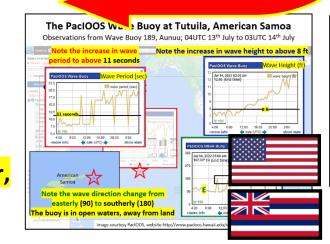


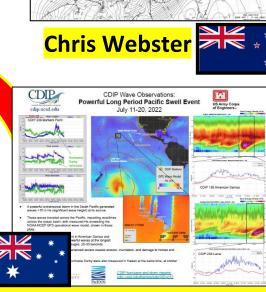




Jennifer Strahl, Dr Eric Lau,

Cooperative Case Study 1: Significant Swell event, Pacific Ocean 11-17th July 2022, as monitored by satellite and surface observations and NWP model data



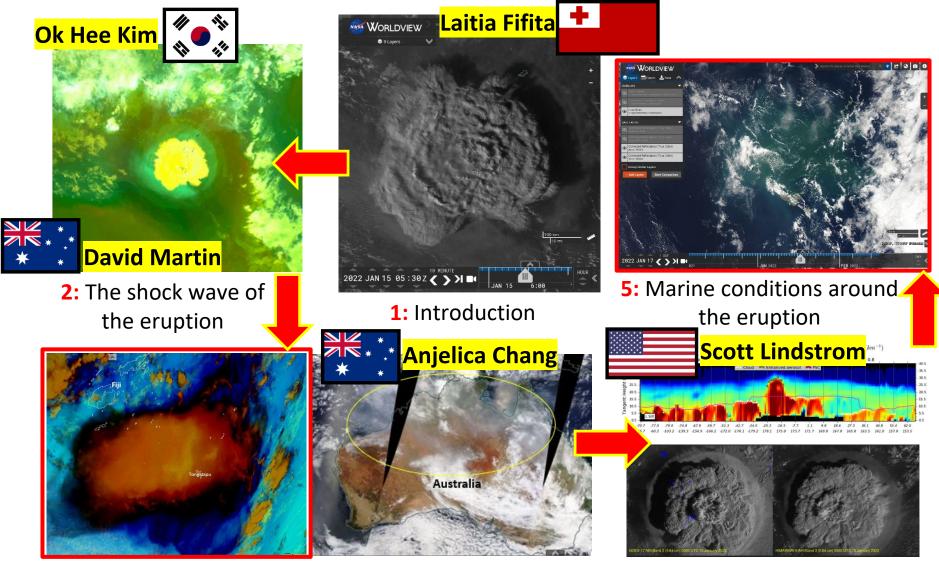


#### Tristan Oakley, Dr Alison Nugent



...also Chip Young, Prof. Steven Businger, Ning Li.

#### Cooperative Case Study 2: The eruption of Hunga Tonga-Hunga Ha'apai volcano, 15th January 2022

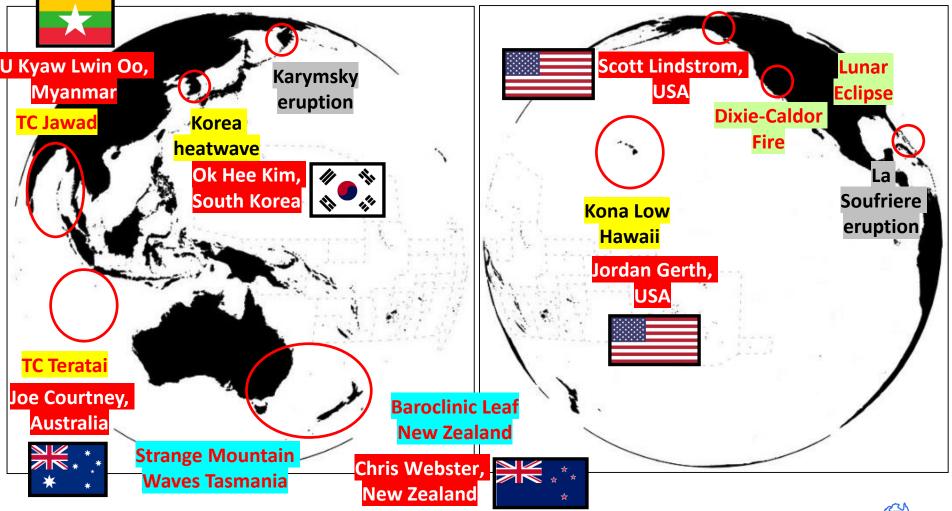


**3:** Spreading out of the ash/SO2 from the eruption The Bureau of Meteorology

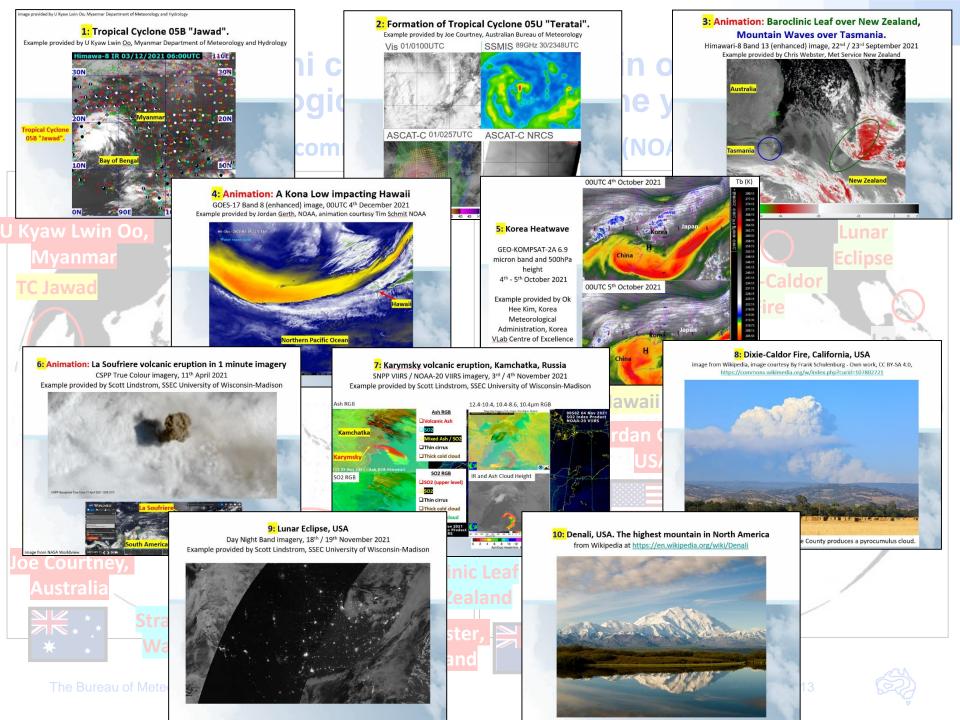
**4:** The height of the eruption

#### Multiple "mini case studies" within one meeting: Meteorological highlights of the year 2021

Format recommended by Jordan Gerth (NOAA / USA)







## **Recordings of our Regional Focus Group Discussions**

#### http://www.virtuallab.bom.gov.au/archive/regional-focus-group-recordings/

Australian Government Bureau of Meteorology			Melbourne VLab Centre Of Excellence									
Home	Satellite Products	Events	Training	Blog	News	Archive	Links	Contact Us				Search
Home > A	chive > Regional Focus Gr	oup Recording	js									
Home Satellite Events Training Blog News Archive	ce Week 2013 on Week 2012 on Week 2011 <b>onal Focus Group Recordings</b>		Regional Focus Group Discussion Recordings									
Avia Avia			Recordings (file size)				Content of the Regional Focus Group meetings The next Australian VLab Centre of Excellence Regional Focus					
Quick Links						Gi	Group meeting is scheduled for 0230UTC 3rd December 2019 Topic of discussion includes:					
• WM	O VLab Homepage	1 0					Accessing Aviation Forecasting Resources Utilising Satellite     Data on our Regional Focus Group Meeting Archive. (facilitator     Mr Bodo Zeschke BMTC)					
• Join	elbourne CoE ISOBAR login in a Webinar ontact Us					we	b confere	ab RFG sessions a encing software will ik https://attendee.g 01174684675	be used and	d you can at	tend the se	
			29th October 2019 Regional Focus Group meeting									
			Topics of discussion included:									
			Some applications of weather monitoring using GEO-KOMPSAT-2A meteorological									

### **BMTC** Operational Plan and implications for the VLab

Some key points:

- Big classes (50+ students) at BMTC Grad Dip Met course in 1. 2022. Additional contributions by colleagues may be required to ensure the Australian VLab CoE Regional Focus Group (RFG) meetings continue on a monthly basis (see point 3).
- It is proposed to set up a timetable of future RFG meetings, 2. looking ahead a few months, if practical.
- 3. Continue to expand the scope of the VLab to include more presentations by Bureau and International staff.
- Our Australian and International students may contribute to 4. the RFG meetings during the Tropical Meteorology class in 2023.
- Explore options for contributing to the VLab beyond the RFG 5. meetings



## Summary

I have summarised the satellite meteorology training conducted by the Australian VLab Centre of Excellence over the past year.

The presentation focussed on the monthly Regional Focus Group (RFG) meetings, highlighting:

- The celebration of the 100<sup>th</sup> RFG meeting.
- The significant contributions by and collaboration with regional subject experts in adding to the variety and value of the training.

Direction and initiatives for 2023 were also presented

