

Celebrating 8 years of the Australian VLab Centre of Excellence Regional Focus Group meetings, with a summary of the past two years.

Mr Bodo Zeschke, Bureau of Meteorology Training Centre.

Presentation at the Joint Australia China VLab Centres of Excellence Regional Focus Group meeting, 29th October 2021



- 1. Highlights. Celebrating achievements
- Presenters from the AOMSUC-11 host nation and other countries.
- 3. New resources available in the Australian VLab Centre of Excellence Regional Focus Group meeting archive:
 - Tropical Cyclone analysis and forecasting
 - Heavy precipitation and flooding
 - Other severe weather case studies
 - Satellite viewing platforms
 - Remote delivery of training and assessment



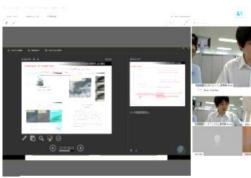
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First Regional Focus Group meeting October







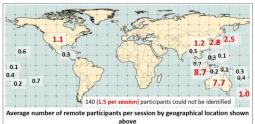












Total number of remote stakeholders attending the 92 sessions = 2934+ Average number of participants per session = 31.9+

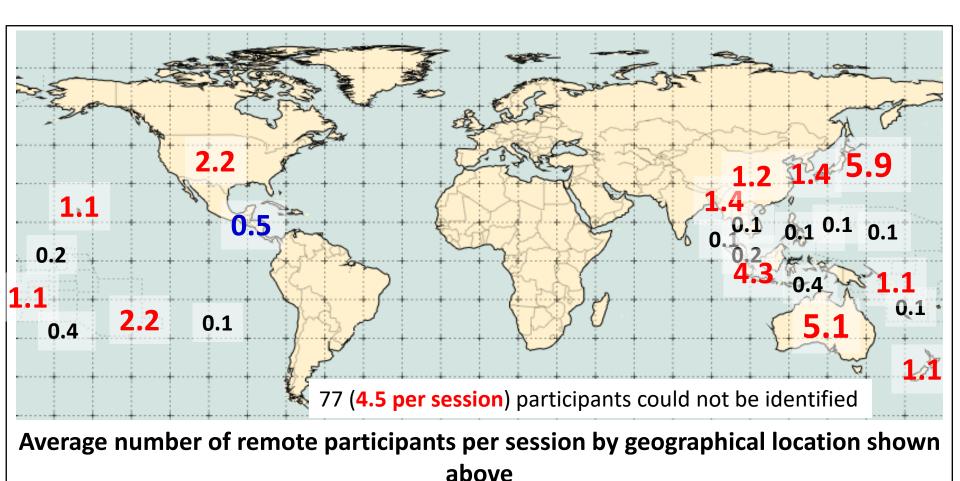


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The past 2 years of Regional Focus Group meetings – statistics January 2020 to September 2021





Total number of remote stakeholders attending the 17 sessions = 590+
Average number of participants per session = 34.7+

Celebrating other achievements during 2020 / 2021



Celebrating the 100th BMKG Indonesia
Online Group Discussion

THE EVENT



SPECIAL TOPICS

Presenting organization current issue of Value Transformation change into BMKG Corporate University: a learning organization declared by Head of BMKG



ZOOM & YOUTUBE

Utilizing Zoom Meeting with 418 users and live stream for 2 hours through Official BMKG Youtube Account wih 324 users. The Recording in YT has reach 2686 Views per Aug 11 at 1.49 PM.



1780 AUDIENCES

Internal and External BMKG resulting 1193 certificates!



2 years of NOAA-NWS / UH-TASI Pacific Desk Webinars



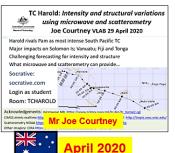


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Highlights of the VLab **Sessions of** 2020 / 2021: **A constellation** of presenters from across the region











August 2020





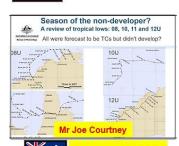


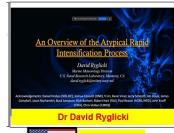












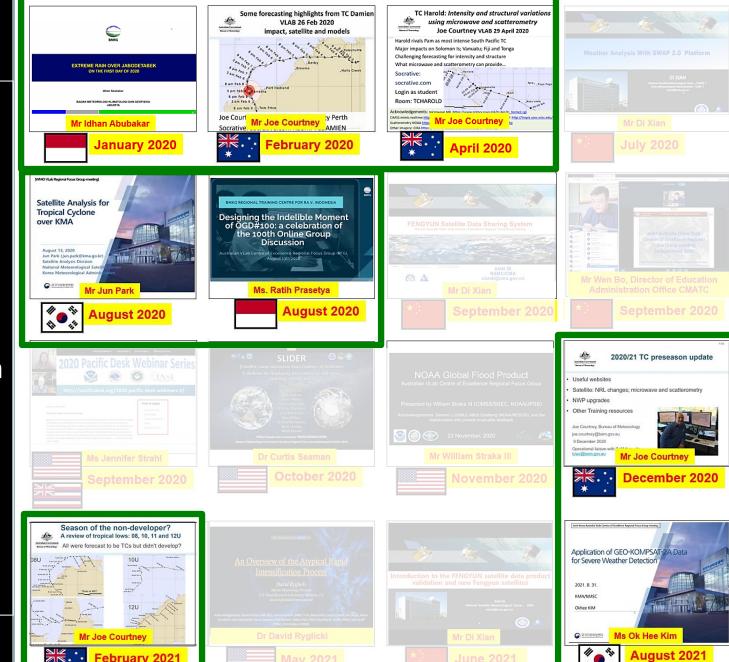








Highlights of the VLab
Sessions of 2020 / 2021:
A constellation of presenters from across the region



Highlights of the VLab
Sessions of 2020 / 2021:
A constellation of presenters from across the region































Highlights of the VLab **Sessions of** 2020 / 2021: **A constellation** of presenters from across the region

























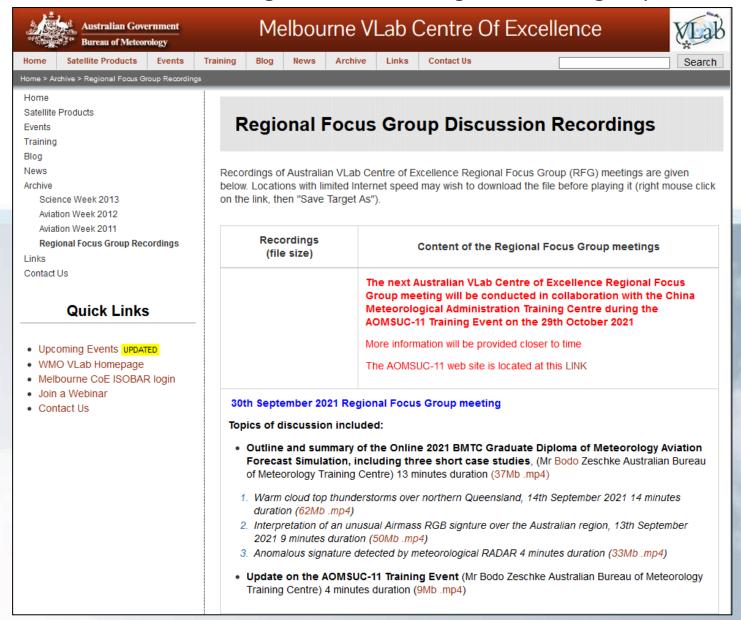






Recordings of our Regional Focus Group Discussions

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

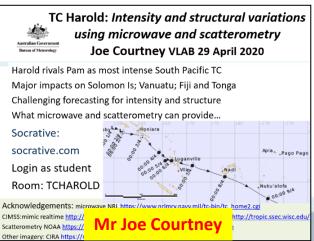


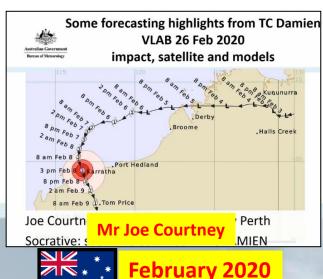


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Tropical Cyclone analysis and forecasting





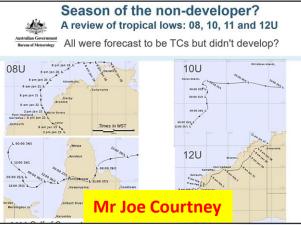




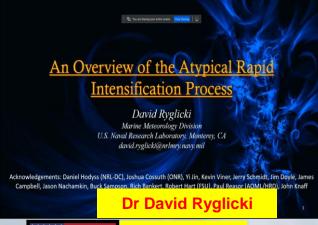
December 2020



April 2020









February 2021

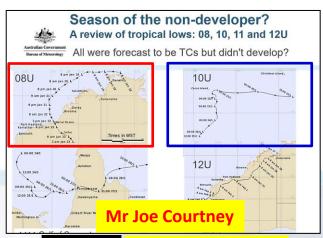


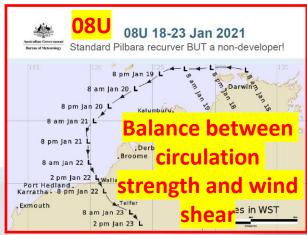
August 2020



May 2021

Tropical Cyclone analysis and forecasting

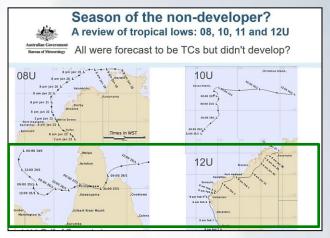




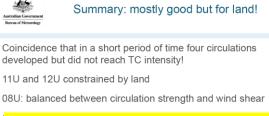




February 2021

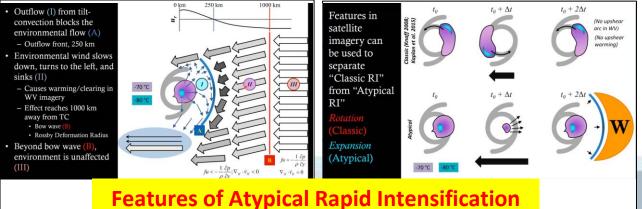






Lessons learned: following process and acting on best information at the time

Tropical Cyclone analysis and forecasting



112°W

114°W

An Overview of the Atypical Rapid

Intensification Process

David Ryglicki

Marine Meteorology Division

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Acknowledgements: Daniel Hodyss (NRI-DC), Joshua Cossuth (ONR), Yi Jin, Kevin Viner, Jerry Schmidt, Jim Doyle, James
Campbell, Jason Nachamkin, Burk Sampson Rich Bankert, Robert Hart [FSII], Paul Beason (ADMIL/HBD), John Knaff

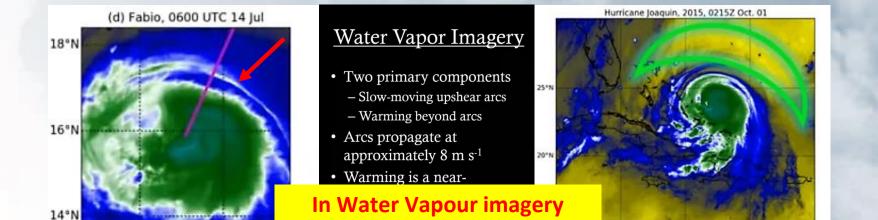
Dr David Ryglicki

May 2021

75°W

-40 -30 -20

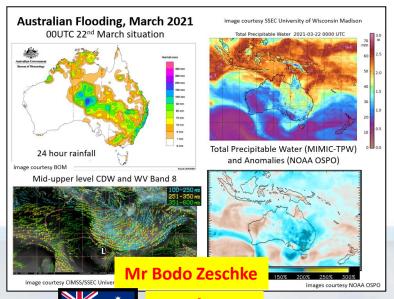
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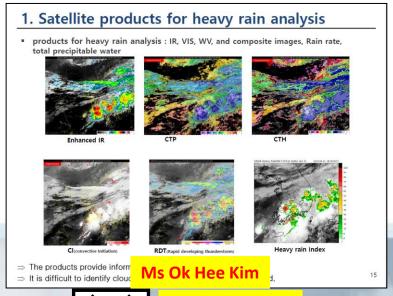




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Heavy precipitation and flooding resources

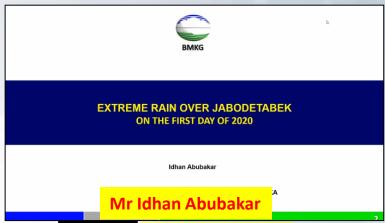




August 2021





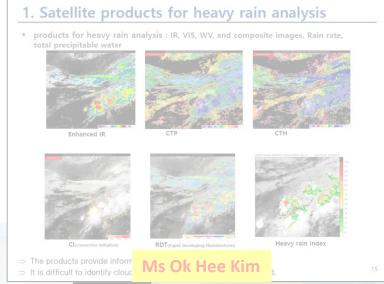


January 2020



Heavy precipitation and flooding resources







August 2021

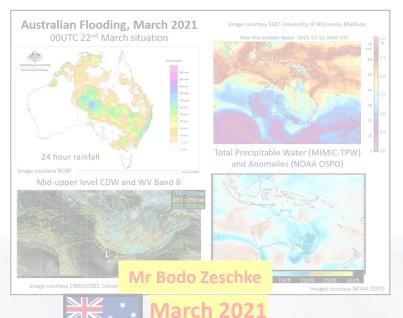


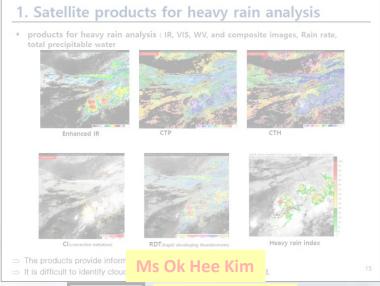




November 2020

Heavy precipitation and flooding resources

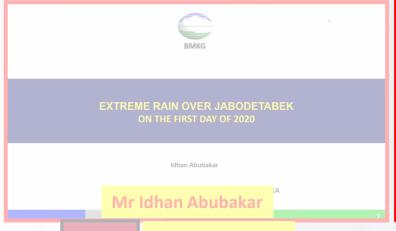






August 2021

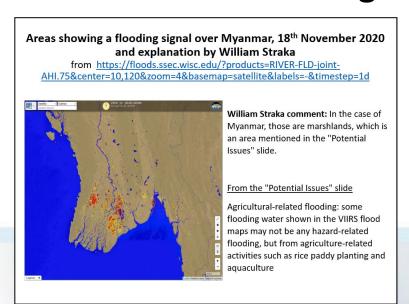
November 2020



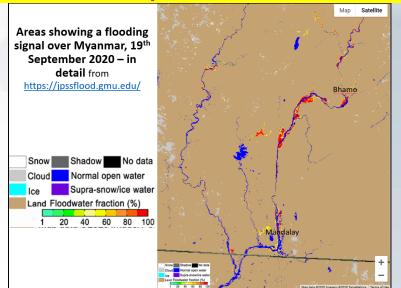
January 2020

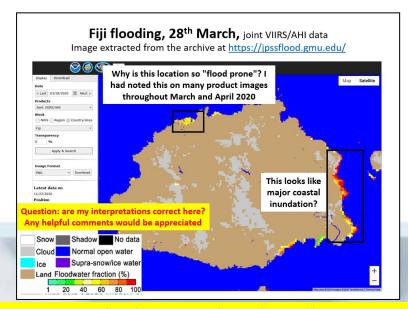


Some case studies using the NOAA Global Flood Product

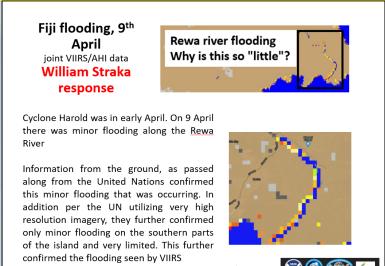


Forwarded to Myanmar contacts, Nov 2020





Fiji case study discussed with William Straka III





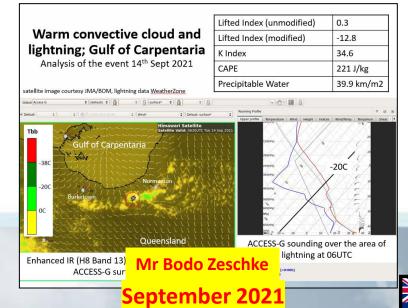
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Other Severe Weather case studies









True Colour RGB and NEA Singapore RADAR True Colour RGB and NEA Singapore RADAR

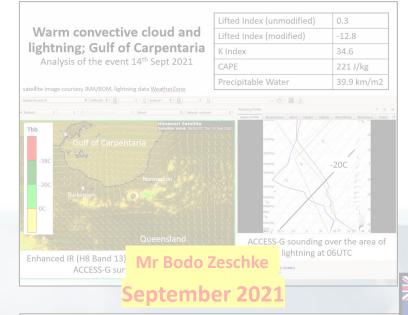
animation courtesy JMA/BOM, lightning data from WeatherZone, RADAR data forwarded Songhan Wong, Avester Lau, NEA Singapore

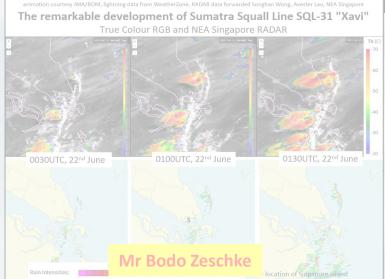
luly 2021

Mr Bodo Zeschke

Other Severe Weather case studies







luly 2021

Other Severe Weather case studies









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Demonstrating satellite data viewing platforms

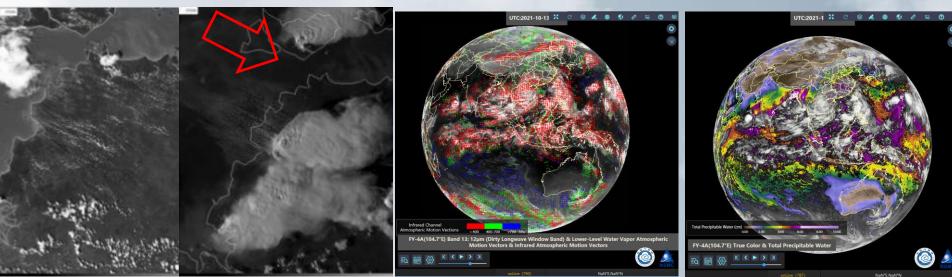


https://rammb-slider.cira.colostate.edu/

rsapp.nsmc.org.cn/geofy/

Demonstrating satellite data viewing platforms





Storm relative motion

Various displays (AMV's, total precipitable water)



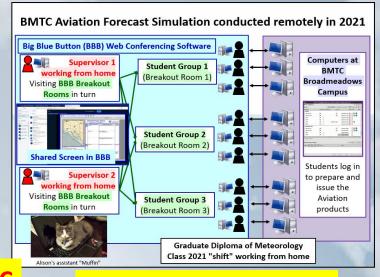
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Useful information about Remote Delivery of Training

- A. Comparing different remote conferencing software
- B. Remote classroom interactions during COVID "working from home" restrictions
- C. Remote classroom interactions during assessment





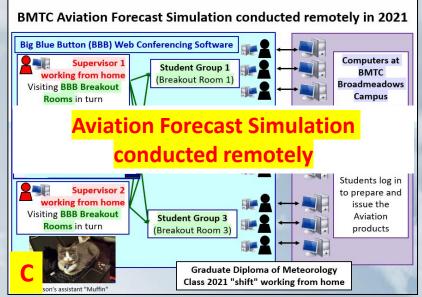


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Summary of the Regional Focus Group meeting, 29th October 2021

 Summary of the recent achievements of the environment disaster and agriculture monitoring using FengYun satellites. Mr Gao Hao, Division of Remote Sensing Data Application, National Satellite Meteorological Center, China Meteorological Administration

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The next Regional Focus Group meeting is scheduled to be held during November 2021