Australian VLab CoE Regional Focus Group meeting recordings sorted according to WMO EW4ALL Priority Hazards, Floods, Tropical Cyclones, Thunderstorms and Squall Lines, and Fires.

New Australian VLab CoE web page addresses

Priority Hazard	Australian VLab CoE Regional Focus Group meeting recordings / .pdf files
Floods	**General: An introduction to the NOAA Global LEO/GEO Flood Product.** Presented by William Straka III Researcher, SSEC/CIMSS, NOAA/JPSS) 27 minutes duration. https://vimeo.com/1000688408/296d276c64 **Post presentation Question and Answer session with William Straka** 22 minutes duration. https://vimeo.com/1000688368/822d8ca9be **General: Utilisation of the Global Satellite Mapping of Precipitation (GSMaP) dataset.** Presented by Nao Yoshida, Earth Observation Research Center, Japan Aerospace Exploration Agency (JAXA). 27 minutes duration. https://vimeo.com/1000584644/1ffe240f10 **Japan: A case study utilising GSMaP data.** Presented by Nao Yoshida, Earth Observation Research Center, JAXA. 7 minutes duration https://vimeo.com/1000584685/6be4618e10 **Australia: Weather and Forecast Discussion with a focus on the recent heavy rainfall event over eastern Australia, March 2021.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 28 minutes duration. https://vimeo.com/1000685134/ed644d8205 **Australia: Examining various MODIS Aqua and Terra and Himawari-8 satellite products for monitoring the Kati Thanda-Lake Eyre floods, Central Australia, 30 March to 11 April 2019.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 20 minutes duration. https://vimeo.com/1001517877/955eeae21e **Australia: Utilising microwave data from polar orbiting satellites and Himawari-8 data for the forecasting and nowcasting of heavy rainfall events including a case study from North Queensland.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 30 minutes duration. https://vimeo.com/1003966763/37410d39e6 **Indonesia: Ambon Island Flooding.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. Example provided by Rion Salman, BMKG Indonesia. 11 minutes duration. https://vimeo.com/1000672541/9eaead056b **Indonesia: Extreme rain over Jabodetabek on the first day of 2020.** Presented by Idhan Abubakar BMKG Indonesia) 26 minutes duration.

	https://vimeo.com/1000710450/140dcaaff0 **Meteorological Overview of a Heavy Rain Event over Java Island during the Dry Period.** Presented by Teguh Setyawan BMKG Indonesia. 21 minutes duration. https://vimeo.com/1003966842/707c9344e6 **Indonesia: Tropical Case Study: West Java Flooding Event, 20-21 September 2016.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 31 minutes duration. https://vimeo.com/1005303923/0ce3ea0a6d **Fiji and Solomon Islands: Some Fiji and Solomon Island examples from 2020 with feedback from William Straka.** Pdf file prepared by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. https://learn.bom.gov.au/pluginfile.php/122115/mod_page/content/23/Fiji_and_Solomon_Islands_flooding_examples_Q_and_A.pdf **New Zealand: The heavy rainfall and flooding event over Auckland, New Zealand, 27th January 2023.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. Input by Chris Webster MetService New Zealand and Dr Scott Lindstrom SSEC University of Wisconsin Madison. 57 minutes duration. https://vimeo.com/1000598850/d70be0ee72 **Samoa: Heavy rainfall and flooding event over Samoa, 8th June 2023.** Presented by Silipa Mulitalo, Samoa Meteorological Service and Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 33 minutes duration. https://vimeo.com/1000592228/27119f9e78 **Post presentation discussion.** 5 minutes duration. https://vimeo.com/1000592304/aa45f89af0 **South Korea: Heavy Summer Rainfall over South Korea.** Presented by Dr Jinho Shin, Korea VLab Centre of Excellence. 30 minutes duration. https://vimeo.com/1000613777/13934fd0bb
Tropical Cyclones	**General / Australia: Detecting and forecasting Tropical Cyclone Rapid Intensification.** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 48 minutes duration. https://vimeo.com/1001505845/37ab8e2350 **Australia: The development and non-development of Tropical Cyclone Lincoln, February 2024:** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 55 minutes duration. https://vimeo.com/1000583964/d4657a6445 **Australia: The Australian season of non developers? A review of recent tropical lows: 08, 10, 11 and 12U.** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 60 minutes duration. https://vimeo.com/1000685596/ac27e1b0a8

	Australia: Some forecasting highlights from Tropical Cyclone Damien. Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 53 minutes duration. https://vimeo.com/1000709632/ed9a48cdf5 **Australia: High Resolution Himawari-8 Target Area Observation case study of Tropical Cyclone Veronica, 23-25th March 2019.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 29 minutes duration. https://vimeo.com/1001519875/1a32ee458d **Australia: Tropical Cyclone Debbie at landfall time; comparing various Himawari-8 satellite products and associated observations and NWP products.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 32 minutes duration. https://vimeo.com/1004421429/6510b70b04 **Australia/Indonesia: Application of SAR, scatterometry, and microwave imagery during Severe Tropical Cyclone Fina, November 2025:** presented by Joe Courtney, Bureau of Meteorology, Perth. Recording, 18 minutes duration. https://vimeo.com/1160086330/e58db56328 **Post presentation discussion.** 3 minutes duration. https://vimeo.com/1160086420/01171bfb6f **Fiji: Case study 1: Tropical Cyclone Gita, 15th February 2018** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 15 minutes duration. https://vimeo.com/1003974578/ad7a413b11 **Hong Kong / Philippines / Micronesia: A Quadruplet of Tropical Cyclones over the Western Pacific during the Winter Season.** Presented by Danice Yin Lam NG, Hong Kong Observatory, China and Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 11 minutes duration. https://vimeo.com/1044486243/03b25a709e **Indonesia / Indian Ocean: On the rapid intensification and weakening of Tropical Cyclones Vernon and Charlotte.** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 59 minutes duration. https://vimeo.com/1000622334/7cf141df62 **Indonesia / Indian Ocean: Formation of Tropical Cyclone 05U "Teratai"** Example provided by Joe Courtney, Australian Bureau of Meteorology, presented by Bodo Zeschke, Australian Bureau of Meteorology. 3 minutes duration. https://vimeo.com/1000678732/a22f4a4de7 **Japan / Pacific region: A case study of Typhoon / Tropical Storm Krosa, including the High-Resolution Himawari-8 Target Area Observations of the mesovortices within the centre of the system; 14th August 2019.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 45 minutes duration. https://vimeo.com/1001523554/2dbd1c1f21

	Myanmar: Tropical Cyclone 05B "Jawad" and Introduction Example provided by U Kyaw Lwin Oo, Myanmar Department of Meteorology and Hydrology. 5 minutes duration. https://vimeo.com/1000678778/ce28f783b0 **Solomon Islands / Papua New Guinea: Tropical Cyclone Paul 10-11 April 2024: New technologies adding value; ASCAT UHR and Tropics Microwave:** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 8 minutes duration. https://vimeo.com/1053199237/3729b0719b **Post presentation discussion.** 2 minutes duration. https://vimeo.com/1053199350/36ca292925 **South Korea: Satellite analysis for Tropical Cyclone over KMA**. Presented by Jun Park Korea Meteorological Administration. 31 minutes duration. https://vimeo.com/1000702657/23a097cfd1 **Vanuatu: Tropical Cyclone Harold: Intensity and structural variations using microwave and scatterometry.** Presented by Joe Courtney, Senior Meteorologist, Tropical Cyclone Department, Australian Bureau of Meteorology. 60 minutes duration. https://vimeo.com/1000708754/b6d3f28c5c
Thunderstorms and Squall Lines	**Australia: Hail Storm Analysis in Brisbane using GIS and Satellite Imagery:** presented by Rion Salman, BMKG Indonesia. Recording, 14 minutes duration. https://vimeo.com/1160094792/bce6211009 **Australia: A short case study of the Hector thunderstorm over northern Australia; utilising satellite data in combination with other observational data and high-resolution NWP model data.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 25 minutes duration. https://vimeo.com/1000619110/4b4c428e29 **Australia: Warm cloud top thunderstorms over northern Queensland, 14th September 2021.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 14 minutes duration. https://vimeo.com/1000680693/63e13c0710 **Australia: Monitoring warm cloud convection and associated lightning using Himawari-8 and other data.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 18 minutes duration. https://vimeo.com/1003967957/5ffe5a90eb **Australia: Mid-latitude Case Study: South Australian Severe Storm, 28th September 2016** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 18 minutes duration. https://vimeo.com/1005303758/84d10a5c8c

	Australia/New Zealand: Explosive cyclogenesis over the south Tasman Sea on 23 October 2025: presented by Chris Webster, Met Service New Zealand. Recording, 13 minutes duration. https://vimeo.com/1160094823/0bf45dfeb5 **Fiji: Case studies demonstrating the ProbSevere LightningCast Machine Learning Storm Prediction Tool over the South Pacific Region, with input from the 2024 BMTC Graduate Diploma of Meteorology graduate students:** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 23 minutes duration. https://vimeo.com/1072393555/c3cf635424 **Post presentation discussion.** 2 minutes duration. https://vimeo.com/1072393526/d8d012227e **Fiji: Monitoring of Lightning associated with Thunderstorms over Fiji.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre). 16 minutes duration. https://vimeo.com/1000274913/37eb691432 **Post presentation discussion.** 6 minutes duration. https://vimeo.com/1000274896/5de3663351 **Hawaii: High-based convection and turbulence northeast of Hawaii.** Presented by Jordan Gerth, NOAA/NESDIS. 16 minutes duration. https://vimeo.com/1053199378/711a62713e **Indonesia: Analysis of Puting Beliung Rancaekek, Bandung, West Java by using Geostationary Satellite**: Presented by Rion Salman, Indonesian VLab Centre of Excellence. 10 minutes duration. https://vimeo.com/1044486368/6e82b69b5a **Post presentation discussio**n. 3 minutes duration. https://vimeo.com/1044486326/36f86977ae **Indonesia: Detection of Mesoscale Convective System (MCS) over the Banda Sea, Maluku.** Presented by Rion Salman, Indonesian VLab Centre of Excellence. 10 minutes duration. https://vimeo.com/1000585239/7908ce945f **Indonesia: Analysis of Cumulonimbus development over the Ambon region of Indonesia using Himawari-8 satellite data.** Presented by Rion Salman, Forecaster of Pattimura Meteorological Station BMKG Indonesia). 27 minutes duration. https://vimeo.com/1001509844/3771fd79cb **Indonesia / Singapore: The remarkable development of Sumatra Squall Line SQL-31 "Xavi".** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 27 minutes duration. https://vimeo.com/1000682679/19accc8814 **Korea: Rapidly Developing Thunderstorm Detection using various Satellite Products** Presented by Dr Hye Sook Park, Korea Meteorological Administration. 24 minutes duration.

	https://vimeo.com/1004420322/5e9fd0307e **Myanmar: Satellite Imagery with a Tornado in Myanmar.** Presented by Dr Scott Lindstrom, SSEC University of Wisconsin Madison. 15 minutes duration. https://vimeo.com/1000585310/d0b4c762b7 **Philippines: The evolution of a low-level lee vortex and the development of convection over northern Luzon, Philippines.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 17 minutes duration. https://vimeo.com/1000683540/2b2e206350 **Samoa: Hail in the Samoan Archipelago:** presented by Timothy J. Wagner, SSEC / University of Wisconsin Madison. Recording, 11 minutes duration. https://vimeo.com/1160094863/6201c1a831 **Samoa: Thunderstorms and associated Lightning over Maritime Areas with a Pacific Ocean Case Study.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre). 26 minutes duration. https://vimeo.com/1000273925/d4c12af545 **South China Sea: Analysis of a Mesoscale Convective Complex in the South China Sea.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 17 minutes duration. https://vimeo.com/1004415670/43b20d15ac
Fires	**General / Indonesia: Early Warning System for Land and Forest Fires in Indonesia.** Presented by Teguh Setiawan, BMKG Indonesia Public Weather Services. 26 minutes duration. https://vimeo.com/1000586538/992df27091 **Australia**: **High Resolution Himawari-8 Target Area Observation case study of the Bunyip and Licola fires in southeastern Australia, including an evaluation of the Fire Temperature RGB product.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre • **Introduction to the High-Resolution Himawari-8 Target Area Observations and the Bunyip fire situation of the 2nd March 2018.** 21 minutes duration. https://vimeo.com/1001515833/e7906f2256 • **Examination of the Fire Temperature RGB and the Bunyip fire situation overnight 2nd / 3rd March 2018.** 13 minutes duration. https://vimeo.com/1001515872/afb04e3ed2 • **Examination of the Licola Fire, 3rd March utilising High Resolution Himawari-8 Target Area Observations.** 15 minutes duration. https://vimeo.com/1001515768/f9a1ca5048 **Australia: High Resolution Himawari-8 Target Area Observation case study of the recent Queensland fires.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 22 minutes duration. https://vimeo.com/1001511937/4091f1214f

	Australia: Case study 2: The Wollemi National Park / Putty State Forest Fire, 14th February 2018. Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 8 minutes duration. https://vimeo.com/1003974535/8fcfb7e30d **Hawaii: Wildfires on the island of Maui in Hawai'i. Using satellite data to describe a fire prone environment.** Presented by Dr Jordan Gerth, NOAA/NWS. 13 minutes duration. https://vimeo.com/1000585395/c91556facc **Singapore / Australia: Related case studies pertaining to smoke and fire detection using the new Himawari-8 SWIR channel and associated products.** Presented by Bodo Zeschke, Australian Bureau of Meteorology Training Centre. 20 minutes duration. https://vimeo.com/1005294302/3a3b0d7ab0