RADAR WORKSHOP 2016
AGENDA

Wednesday 16th November, 2016

9:00am:	Arrival and tea/coffee
9:30am:	Welcome- Rob Caplikas (Gematronik)
9:35am:	Welcome-Valentijn Pauwels (Monash University)
9:40am:	Marcus Kruckow (Gematronik) – Latest technical developments and Environment Canada
10:20am:	Anil Deo (Melbourne University) – "Comparison of the rain drop size distribution parameter from C-band Dual Polarised Radar and TRMM precipitation radar during the passage of tropical cyclones over Darwin"
11:00am:	Morning Break (20 minutes)
11:20am:	David Newth (CSIRO) - "The societal benefits of delivering climate services to the Pacific Islands"
12:00:	Rob Warren (Monash University) – "Correcting ground radar calibration errors using TRMM"
12:40pm:	Lunch (1 hour)
13:40pm:	Nicholas McCarthy (University of Qld) – "Weather radar and wildfire: What we know and what we don't"
14:20pm:	Rob Warren (Monash University) - "Climatology of hail in Southeast Queensland derived from single-polarization radar"
15:00pm:	Afternoon break (20 minutes)
15:20pm:	John Handmer (RMIT) – "Publicly accessible radar data as a key component of a new warning paradigm?"
16:00pm:	Day 1 closing comments

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Thursday 17th November, 2016

9:15am:	Arrival and tea/coffee
9:40am:	Don Gunasekera (Victoria University) -“Climate change and labour productivity”
10:20am:	Rob Warren (Monash University) -“Should interpolation of radar reflectivity be performed in Z or dBZ?”
11:00am:	Morning Break (20 minutes)
11:20am:	Kithsiri Dassanayake (Melbourne University) - “Integration of agricultural systems simulation tools with the seasonal climate model, POAMA for developing a seasonal crop forecasting system”
12:00:	Harald Richter (Bureau of Meteorology) - “Doppler Radar and Storm Environment Observations of a Maritime Tornadic Supercell in Sydney, Australia.”
12:40pm:	Lunch (1 hour)
13:40pm:	Joshua Soderholm (Fugro Roames/University of Qld) Tutorial – "Introduction to Open Radar Software with pyART".

1. Introduction of python, libraries and notebooks (15min)
2. Introduction to py-art data model and basic I/O (15min + 15min practical)
3. Australian radar datasets and using py-art (15min + 15min practical)
4. Cartesian plotting (gridding) and dealiasing (15min + 15min practical)
5. Summary of Open Radar Software (SC) and conclusion (15min)

15:40pm:	Afternoon break (20 minutes)
16:00pm:	Scott Collis (Argonne National Laboratory-USA) - “Open radar science: using community coding paradigms to enable more people to do more with polarimetric radar measurements”
16:40pm:	PyART discussion
17:10pm:	Day 2 closing comments
18:30pm:	Dinner in New Horizons

Friday 18th November, 2016

9:15am:	Arrival and tea/coffee
9:40am:	Andre Weipert (Gematronik) - TBA
10:20am:	Joshua Soderholm (University of Qld) -“Unlocking the potential of the national weather radar archive: Applications for science and industry.”
11:00am:	Morning Break (20 minutes)
11:20am:	Mark Curtis (Bureau of Meteorology) - “Automated bias monitoring and verification for national scale QPE systems”
12:00:	Richard.J. Krupar III (University of Qld) -“Improving surface wind estimates in land falling tropical cyclones using Weather Surveillance Radar-1988 Doppler velocity-azimuth display wind profiles.”
12:40pm:	Day 3 closing comments
13:00pm:	Lunch
13:40pm	Close of workshop