

Séminaire lundi le 27 mai 2019 11:00 / Seminar Monday May 27th 2019 11:00h

Sujet/Subject:

Changes in Operational Weather Radar at the Bureau of Meteorology

Langue/language : Anglais/English

Conférenciers/Lecturers: Mark Curtis, Australian Bureau of Meteorology

Résumé/Abstract:

The Bureau of Meteorology has operated a national program to provide weather radar-oriented services to the Australian public since 1972. Over its almost 50-year history, weather radar technology has evolved significantly. The Bureau's radar network has seen a large amount of incremental change with the introduction of Doppler, and more recently, dual-polarisation capabilities. This has resulted in a heterogeneous network which poses a significant challenge for maintenance, and for the offering of consistent products and services.

A concerted effort is now being made to modernize the radar network. Critical resilience issues and technology gaps will be addressed, allowing the Bureau to substantially enhance its radar-oriented services.

This talk will provide an overview of the major activities taking place within the Bureau's radar program. This includes topics such as homogenization and upgrade of the network to dual-polarisation technology, design of a new operational scan strategy, transition to standardized data formats, use of 3rd party software, and the search for a new visualisation platform.