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Session 7: Innovations in using observations.

Title: National Space Missions for Earth observation

Earth observations (EO) from space are critical for Bureau operations, yet Australia does not own or operate EO meteorological satellites and relies entirely on foreign- owned satellites. Developing an Australian meteorological EO satellite capability would provide a capability that meets our immediate needs, and would reduce the risk of losing free and open access to the international satellite data required for weather forecasting.

This talk will summarise the journey the Bureau has taken over the last year to propose potential new sovereign Australian EO instruments, a lightning imager in Geostationary orbit, a hyperspectral microwave sounder and a Synthetic Aperture Radar for ice and land applications.