

State of Climate in South-West Pacific

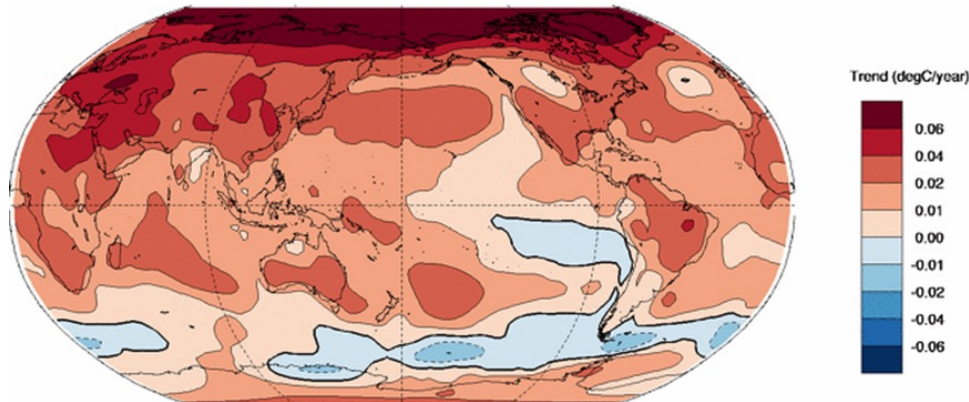
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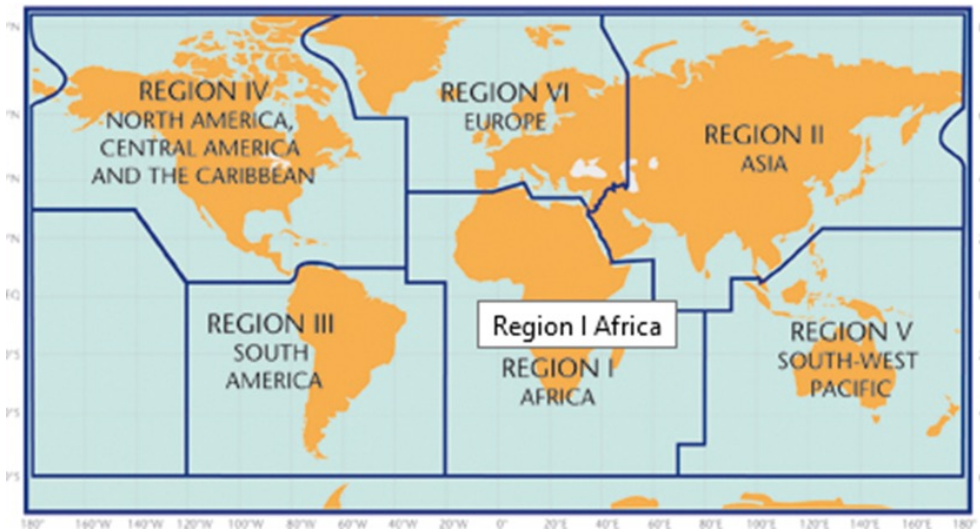
WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Climate change in the Southwest Pacific region

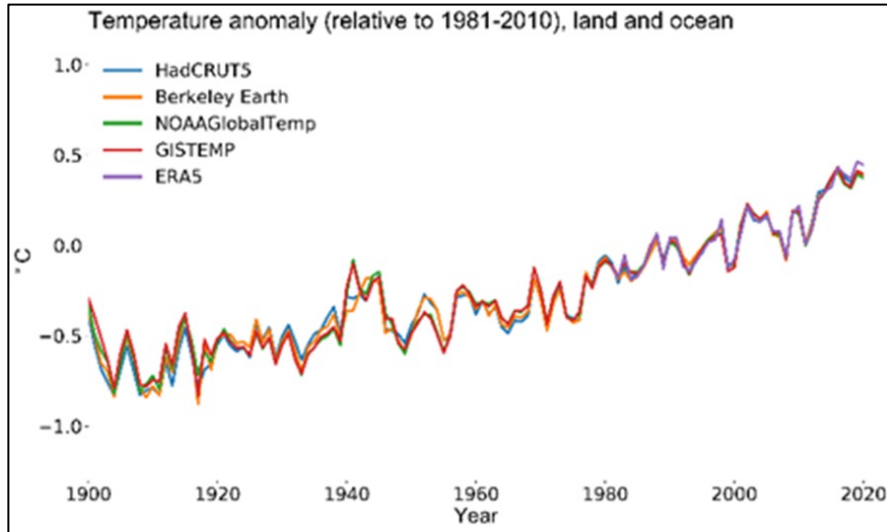


1980-2020 temperature trend

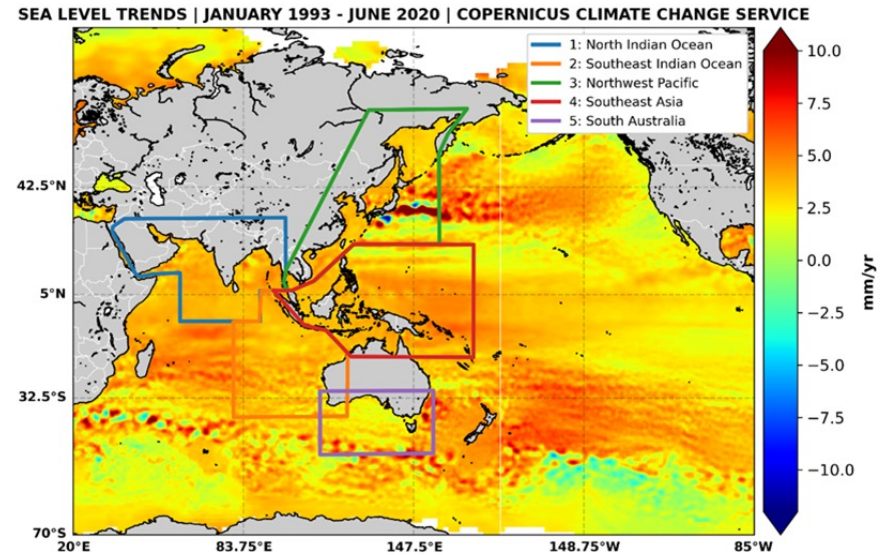


What's distinctive about the region?

- Many Small Island States, some highly vulnerable to sea level rise
- Ocean forms a large part of the region
- The El Niño-Southern Oscillation (ENSO) is a dominant mode of climate variability
- High exposure to natural hazards, especially tropical cyclones

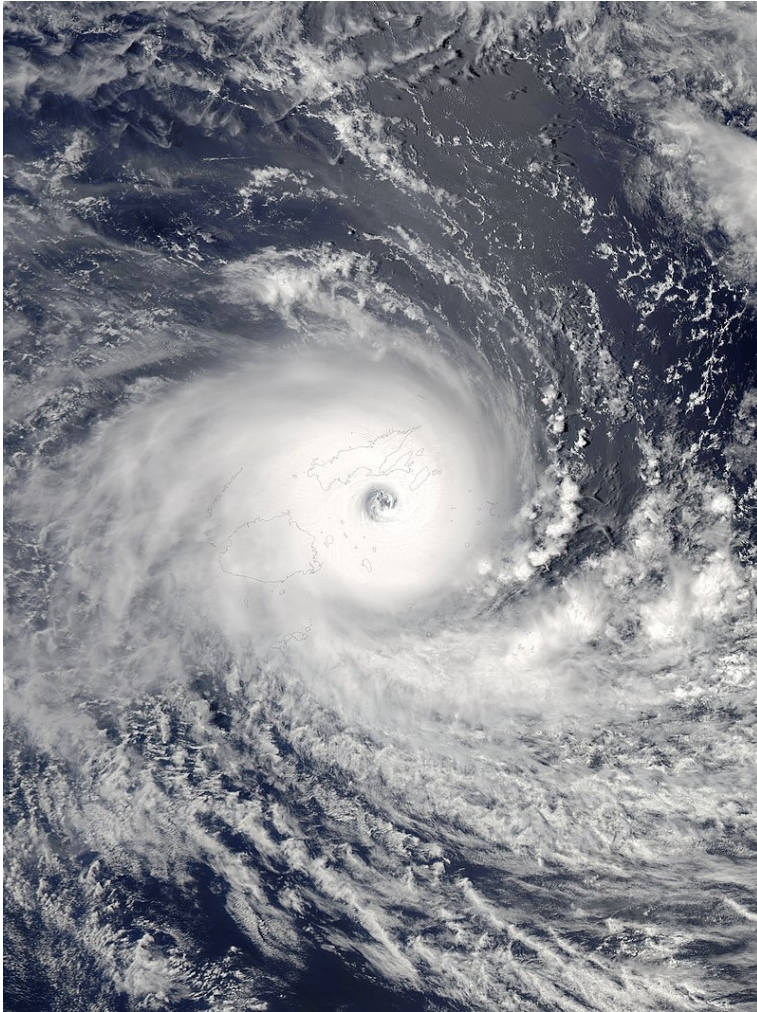


Recent years have been the region's warmest on record



Sea level rise in many parts of region above the global average

A region susceptible to natural hazards



- The Northwest Pacific is the world's most active tropical cyclone region
- The South Pacific has had below-average cyclone numbers in recent years, but has had four category 5 systems since 2015
- Non-cyclone flooding also a frequent natural hazard
- Severe drought, heatwaves and wildfires in Australia in 2019-20; drought and fire also major issue in Indonesia in 2015

Cyclone Winston near Fiji, 20 February 2016