Data and Products Thu Mar 28 02:19:52 HST 2024

Name	Hadley Centre Coupled Model version 3 (HadCM3)
Capability Area	- Understanding Climate Variability and Change
Focus Area	- Fresh Water Resources and Drought - Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience - Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - Western North Pacific - South Pacific - Pacific Basin - Global
Data/Physical	- Data - Physical - Model Results - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction) - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)
Products/Physical	- Products - Physical - Projections (intrannual to multi-decadal) - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction) - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)
Sectors	- Public Health and Safety - Fresh Water Resources - Community Planning and Development - Agriculture and Fisheries - Ecosystems

Description	HadCM3 is a coupled climate model that has been used extensively for climate prediction, detection and attribution, and other climate sensitivity studies. HadCM3 was one of the major models used in the IPCC Third and Fourth Assessments. It was developed in 1999 and was the first unified model climate configuration not to require flux adjustments. It also has the capability to capture the time dependent fingerprint of historical climate change in response to natural and anthropogenic forcings which has made it a particularly useful tool in studies concerning the detection and attribution of past climate changes.
Url	http://www.metoffice.gov.uk/research/modelling-systems/unified-model/climate-models/hadcm3
Lead Agencies	UK Met Office
Contacts	UK Met Office, enquiries@metoffice.gov.uk