



Data and Products Wed Nov 21 00:35:21 HST 2018

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| 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 |

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| 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 |