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# Vulnerability of Tropical Pacific Fisheries and Aquaculture to Climate Change



## Summary for Pacific Island Countries and Territories

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## Abbreviations

AR	Assessment Report
ARCH	Archipelagic Deep Basins
AusAID	Australian Agency for International Development
BMP	best management practice
CEAFM	community-based ecosystem approach to fisheries management
CMIP	Coupled Model Intercomparison Project
CNMI	Commonwealth of the Northern Mariana Islands
CO <sub>2</sub>	carbon dioxide
DNA	deoxyribonucleic acid
DWFNs	distant water fishing nations
EAC	East Australian Current
EEZ	exclusive economic zone
ENSO	El Niño-Southern Oscillation
EPA	Economic Partnership Agreement
EU	European Union
EUC	Equatorial Undercurrent
FADs	fish aggregating devices
FSM	Federated States of Micronesia
GDP	gross domestic product
GIFT	genetically improved farmed tilapia
GIS	geographic information system
GR	government revenue
HadISST	Hadley Centre Global Sea Ice and Sea Surface Temperature
HE	Halmahera Eddy
IATTC	Inter-American Tropical Tuna Commission
ICESCR	International Covenant on Economic, Social and Cultural Rights
IEPA	Interim Economic Partnership Agreements
ITF	Indonesian Throughflow
IPCC	Intergovernmental Panel on Climate Change
IPSL	Institut Pierre Simon Laplace
ITCZ	Intertropical Convergence Zone
IUU	illegal, unreported and unregulated
KURO	Kuroshio Current
MC	Mindanao Current
ME	Mindanao Eddy
MLD	mixed layer depth
NAPAs	national adaptation programmes of action
NCJ	North Caledonian Jet
NEC	North Equatorial Current
NECC	North Equatorial Counter Current
NGCUC	New Guinea Coastal Undercurrent
NGO	non-governmental organisation

NPP	net primary production
NPTG	North Pacific Tropical Gyre
NQC	North Queensland Current
NSTCC	North Subtropical Counter Current
NVJ	North Vanuatu Jet
O <sub>2</sub>	oxygen
PaCFA	Global Partnership for Climate, Fisheries and Aquaculture
PAR	photosynthetically active radiation
pCO <sub>2</sub>	partial pressure of carbon dioxide
PCMDI	Program for Climate Model Diagnosis and Intercomparison
PDO	Pacific Decadal Oscillation
PEQD	Pacific Equatorial Divergence
PICTs	Pacific Island countries and territories
PNA	Parties to the Nauru Agreement
PNG	Papua New Guinea
ppm	parts per million
SAM	Southern Annular Mode
SCJ	South Caledonian Jet
SEAPODYM	Spatial Ecosystem and Population Dynamics Model
SEC	South Equatorial Current
SECC	South Equatorial Counter Current
SPC	Secretariat of the Pacific Community
SPCZ	South Pacific Convergence Zone
SPSG	South Pacific Subtropical Gyre
SST	sea surface temperature
SSTCC	South Subtropical Counter Current
SWH	significant wave height
TAO	Tropical Atmosphere Ocean
USD	United States dollar
UVR	ultraviolet radiation
VDS	vessel day scheme
Warm Pool	Western Pacific Warm Pool
WCPFC	Western and Central Pacific Fisheries Commission
WCPO	Western and Central Pacific Ocean
WCRP	World Climate Research Programme
WGCM	Working Group on Coupled Modelling