

Acronyms

20CR	20th Century Reanalysis	CCRIF	Caribbean Catastrophe Risk Insurance Facility
AAL	average annual loss	CCS	carbon capture and storage
ABNJ	Areas Beyond National Jurisdiction	CCSM	Community Climate System Model
ACC	Antarctic Circumpolar Current	CDM	Clean Development Mechanism
ACCCA	Advancing Capacity for Climate Change Adaptation	CDR	carbon dioxide removal
ACRE	Atmospheric Circulation Reconstructions over the	CEN-SAD	Community of Sahel-Saharan States
	Earth	CER	certified emissions reduction
AF	Adaptation Fund	CFP	Ciguatera fish poisoning
AFTA	ASEAN Free Trade Agreement	CFP	Common Fisheries Policy
AGCM	Atmosphere General Circulation Models	CFSR	Climate Forecast System Reanalysis
AgMIP	Agricultural Model Intercomparison and	CGCM	Coupled General Circulation Model
	Improvement Project	CGE	Computable General Equilibrium
AGWA	Alliance for Global Water Adaptation	CGIAR	Consultative Group on International Agricultural
AIM	Asia-Pacific Integrated Model		Research
AMMA	African Monsoon Multidisciplinary Analysis	CH₄	methane
AMO	Atlantic Multi-decadal Oscillation	CIAV	climate impact, adaptation, and vulnerability
AMOC	Atlantic Meridional Overturning Circulation	CIL	Cold Intermediate Layer
AMU	Arab Maghreb Union	CILSS	Permanent Inter-States Committee for Drought
AOC	Appellation d'Origine Controlee		Control in the Sahel
AOGCMs	Atmosphere-Ocean General Circulation Model	CLARIS	Europe-South America Network for Climate Change
AOSIS	Alliance Of Small Island States		Assessment and Impact Studies
APHRODITE	Asian Precipitation – Highly Resolved Observational	Climate-ADAPT	Climate Adaptation Platform
	Data Integration Towards Evaluation	CLIVAR	Climate Variability and Predictability Programme
AR4	Fourth Assessment Report	CLLJ	Caribbean Low Level Jet
AR5	Fifth Assessment Report	CLRTAP	Convention on Long-range Transboundary Air
ARPEGE	Action de Recherche Petite Echelle Grande Echelle		Pollution
ASEAN	Association of Southeast Asian Nations	CMIP3	Coupled Model Intercomparison Project Phase 3
ASH	Aragonite Saturation Horizon	CMIP5	Coupled Model Intercomparison Project Phase 5
ASP	adaptive social protection	CNRM	Centre National de Recherches Météorologiques
AVHRR	Advanced Very High Resolution Radiometer	CO ₂	carbon dioxide
BATS	Bermuda Atlantic Time-series Study	COADS	Comprehensive Ocean-Atmosphere Data Set
BAU	business as usual	COMESA	Common Market for Eastern and Southern Africa
BFIs	Bilateral Finance Institutions	COMIFAC	Commission of Central African Forests
C ⁴ MIP	Carbon Cycle Model Intercomparison Project	CORDEX	Coordinated Regional Downscaling Experiment
CAADP	Comprehensive Africa Agriculture Development	CPIA	Country Policy and Institutional Assessment
	Program	CPP	Cyclone Preparedness Program
CaCO₃	calcium carbonate	CRED	Centre for Research on the Epidemiology of Disasters
CAF	Cancun Adaptation Framework	CRISTAL	Community-based Risk Screening Tool-Adaptation
CAP	Common Agricultural Policy		and Livelihoods
CAPS	climate-altering pollutants	CRUTEM4	Climatic Research Unit/Hadley Centre gridded land-
CARLA	Climate Adaptation for Rural Livelihoods and		surface air temperature version 4
	Agriculture	CSIRO	Commonwealth Scientific and Industrial Research
CBA	community-based adaptation		Organisation
CBAA	Community-Based Adaptation in Africa	CSP	concentrating solar power
CBD	Convention on Biological Diversity	CTI	Coral Triangle Initiative
CBDRR	community-based disaster risk reduction	CTM	Chemical Transport Model
CBNRM	community-based natural resource management	СТР	carbon from thawed permafrost
CBS	Coastal Boundary Systems	DAI	dangerous anthropogenic interference
CC	community composition	DALYs	disability-adjusted life years
CCA	climate change adaptation	Defra	Department for Environment Food and Rural Affairs
CCAD	Central American Commission for Environment and	DGVM	Dynamic Global Vegetation Model
CCATC	Development Claracter Asia III and Claracter C	DHMs	degree heating months
CCAFS	Climate Change Agriculture and Food Security	DIN	dissolved inorganic nitrogen
CCAMLR	Commission for the Conservation of Antarctic	DIP	dissolved inorganic phosphorus
CCM	Marine Living Resources	DIVA	Dynamic Interactive Vulnerability Assessment
CCM	carbon-concentrating mechanism	DJF	December-January-February
CCRA	Climate Change Risk Assessment	DMS	dimethylsulfide

Acronyms Annex III

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	GCM	General Circulation Model	ICZIVI	Integrated Coastal Zone Management

IDB	Inter-American Development Bank	MEA	Millennium Ecosystem Assessment
IEA	International Energy Agency	MERCOSUR	Mercado Común del Sur
IGAD	Intergovernmental Authority on Development	MERRA	Modern Era Reanalysis for Research and Applications
IHO	International Hydrographic Organization	MESSAGE	Model for Energy Supply Strategy Alternatives and
IJEPA	Indonesia-Japan Economic Partnership Agreement		their General Environmental Impact
ILO	International Labor Organization	MFIs	Multilateral Financial Institutions
iLUC	indirect land use change	MICs	medium-income country
IMAGE	Integrated Model to Assess the Global Environment	MIROC	Model for Interdisciplinary Research On Climate
IMF	International Monetary Fund	MLD	mixed layer depth
IMO	International Maritime Organization	MLOST	Merged Land-Ocean Surface Temperature
IOD	Indian Ocean Dipole	MME	Multi-Model Ensemble
IOM	International Organization of Migration	MMM	Maximum Monthly Mean
IPO	Inter-decadal Pacific Oscillation	MOC	Meridional Overturning Circulation
IPY	International Polar Year	MODIS	Moderate Resolution Imaging Spectrometer
ISFS	Invasive Species Forecasting System	MOSE	MOdulo Sperimentale Elettromeccanico
ISI-MIP	Inter-Sectoral Impact Model Intercomparison Project	MPAs	marine protected areas
ISPS	International Ship and Port Facility Security	MPI	Max Planck Institute
ITCZ	Intertropical Convergence Zone	MRC	Mekong River Commission
ITF	Indonesian Throughflow	MRI-AGCMS	Meteorological Research Institute of Japan
IUCN	International Union for Conservation of Nature		Meteorological Agency
IUPA	Index of Usefulness of Practices for Adaptation	MRSP	Metropolitan Region of São Paulo
IUU	illegal, unreported, and unregulated	MSL	mean sea level
IWRM	Integrated Water Resource Management	MWF	mid-water fishes
JGOFS	Joint Global Ocean Flux Study	NAFTA	North American Free Trade Agreement
JI	Joint Implementation	NAMS	North American Monsoon System
JJA	June-July-August	NAO	North Atlantic Oscillation
JMA	Japan Meteorological Agency	NAP	National Adaptation Plan
KOE	Kuroshio-Oyashio Extension	NAPA	National Adaptation Programme of Action
KVs	Key Vulnerabilities	NARCCAP	North American Regional Climate Change
LAPA	Local Adaptation Plans of Action		Assessment Program
LDCF	Least Developed Countries Fund	NARR	North American Regional Reanalysis
LDCs	Least Developed Countries	NCAR	National Center for Atmospheric Research
LECZ	low-elevation coastal zone	NCCARF	National Climate Change Adaptation Research
LGM	Last Glacial Maximum		Facility
LIC	low-income country	NCCRS	National Climate Change Response Strategies
Lidar	Light Detection And Ranging	NCDC	National Climate Data Center
LMB	Lower Mekong River Basin	NCEP	National Centers for Environmental Prediction
LMICs	lower middle-income countries	NDVI	Normalized Difference Vegetation Index
LP	London Protocol	NEB	northeast Brazil
LPB	La Plata Basin	NEPAD	New Partnership for Africa's Development
LSLA	large-scale land acquisitions	NGO	non-governmental organization
LUCC	land use and cover change	NH	Northern Hemisphere
M&A	mitigation and adaptation	NIES	National Institute for Environmental Studies
MAB	Marine Air Breathers	NNR	NCEP-NCAR Reanalyses
MAGICC	Model for the Assessment of Greenhouse gas	NOAA	National Oceanic and Atmospheric Administration
	Induced Climate Change	NPGO	North Pacific Gyre Oscillation
MAM	March-April-May	NPP	Net Primary Productivity
MAP	mean annual precipitation	NRM	Natural Resource Management
MARPOL	International Convention for the Prevention of	NSR	Northern Sea Route
MDI	Pollution From Ships	NWP	Northwest Passage
MBIs	market-based instruments	O _{2crit}	critical O ₂ concentration
MCA	multi-criteria analysis	03	ozone
MCDA	multi-criteria decision analysis	OA	ocean acidification
MDB	Marine Data Bank	OAE	ocean acidification effect
MDB	Multilateral Development Bank	OC	organic carbon
MDBA	Murray-Darling Basin Authority	OCLTT	Oxygen and Capacity Limited Thermal Tolerance
MDGs	Millennium Development Goals	ODA	Official Development Assistance

Acronyms Annex III

OECD	Organisation for Economic Co-operation and	SCC	social cost of carbon
	Development	SCS	South China Sea
OMZ	Oxygen Minimum Zone	SDGs	Sustainable Development Goals
OND	October-November-December	SDM	species distribution modeling
OPEC	Organization of the Petroleum Exporting Countries	SE	synergistic effects
PACC	Pacific Adaptation to Climate Change Project	SeaWiFS	Sea-viewing Wide Field-of-view Sensor
pCO_2	CO ₂ partial pressures	SED	socioeconomic development
PDF	Probability Density Function	SEI	Stockholm Environment Institute
PDO	Pacific Decadal Oscillation	SES	Semi-Enclosed Seas
PDSI	Palmer Drought Severity Index	SICA	Sistema de la Integración Centroamericana
PEMSEA	Partnerships in Environmental Management for the	SIDS	Small Island Developing States
	Seas of East Asia	SLP	sea level pressure
PES	Payment for Environmental Services	SLR	sea level rise
PESETA	Projections of Economic impacts of climate change	SMEs	small to medium enterprises
LUCIA	in Sectors of Europe based on bottom-up analysis	SO ₂	sulfur dioxide
PETM	Paleocene-Eocene Thermal Maximum	SP	social protection
PFEL	Pacific Fisheries Environmental Laboratory,	SPAs	Shared Policy Assumptions
PIACC	Ibero-American Programme on Adaptation to	SPCRs	Strategic Programmes for Climate Resilience
FIACC		SPCZ	South Pacific Convergence Zone
DM	Climate Change		3
PM _{2.5}	particulate matter with aerodynamic diameter	SPM	Summary for Policymakers
DM	<2.5 µm	SPREP	South Pacific Regional Environmental Programme
PM ₅	particulate matter with aerodynamic diameter	SR	Species Richness
	<5 µm	SRC	short rotation coppice
PNA	Pacific North America	SRES	Special Report on Emission Scenarios
POM	particulate organic matter	SREX	Special Report on Managing the Risks of Extreme
POPs	persistent organic pollutants		Events and Disasters to Advance Climate Change
PP	Plankton Phenology		Adaptation
PPCR	Pilot Program for Climate Resilience	SRM	Solar Radiation Management
PRECIS	Providing REgional Climates for Impact Studies	SRREN	Special Report on Renewable Energy Sources and
PROVIA	Programme of Research on Climate Change		Climate Change Mitigation
	Vulnerability, Impacts and Adaptation	SSFs	small-scale fisheries
PSS78	Practical Salinity Scale 1978	SSP	Shared Socioeconomic Pathway
PV	photovoltaic	SST	sea surface temperature
PVA	participatory vulnerability assessment	STF	subtropical front
PWC	Pacific Walker Circulation	STG	subtropical gyre
RAC	Regional Adaptation Collaborative	SWH	significant wave height
RCA 3	Rossby Centre regional Atmospheric model 3	TAR	Third Assessment Report
RCM	Regional Climate Model	TBE	tick-borne encephalitis
RCP	Representative Concentration Pathway	TC	tropical cyclone
RDM	robust decision making	TE	temperature effect
RECs	Regional Economic Communities	TEK	traditional ecological knowledge
REDD+	Reduction of Emissions from Deforestation and	TEP	transparent exopolymer particle
	Forest Degradation	TH	thermal heating
RFC	Reasons for Concern	THC	thermohaline circulation
RFMO	Regional Fisheries Management Organization	THI	Temperature-Humidity Index
RICE	Regional dynamic Integrated model of Climate and	TRMM	Tropical Rainfall Measuring Mission
	the Economy	UCL	urban canopy layer
RISAs	Regional Integrated Sciences and Assessments	UHI	urban heat island
ROI	return on investment	UKCIP	UK Climate Impacts Program
RSLR	relative sea level rise	UMIC	upper middle income country
RWCs	reef-building warm-water corals	UNCLOS	United Nations Convention on the Law of the Sea
SADC	Southern African Development Community	UNDP	United Nations Development Programme
SAM	Southern Annular Mode	UNFCCC	United Nations Framework Convention on Climate
SAMS	South American Monsoon System	3.1. 000	Change
SAR	synthetic aperture radar	UNHCR	United Nations High Commissioner for Refugees
SAR	Second Assessment Report	UNSFSA	United Nations Straddling Fish Stocks Agreement
SAS	Southeast Asian Seas	UV	ultraviolet
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VCO VOCs WAP WASWind WaterMIP WB	voluntary carbon offset volatile organic compounds western Antarctic Peninsula Wave- and Anemometer-based Sea Surface Wind Water Model Intercomparison Project World Bank	WHO WIPO WMO WOCE WTO WUCA	World Health Organization World Intellectual Property Organization World Meteorological Organization World Ocean Circulation Experiment World Trade Organization Water Utilities Climate Alliance
WCRP	World Climate Research Programme	WUE	water use efficiency