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## Acronyms, Abbreviations, and Units

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## ACRONYMS AND ABBREVIATIONS

AAIW	Antarctic Intermediate Water	EEE	eastern equine encephalitis
ACACIA	A Concerted Action Towards A Comprehensive Climate Impacts and Adaptations Assessment for the European Union	EEZ	Exclusive Economic Zone
ADB	Asian Development Bank	EIA	environmental impact assessment
AGBM	Ad Hoc Group on the Berlin Mandate	EIP	extrinsic incubation period
A-O	atmosphere-ocean	ELA	equilibrium line altitude
APSIM	Agricultural Production Systems Simulator Model	ENSO	El Niño-Southern Oscillation
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand	EPIC	Erosion Productivity Impact Calculator
ART	alternative risk transfer	EU	European Union
BAPMoN	Background Atmospheric Pollution Monitoring Network	EV	equivalent variation
BP	before the present	FACE	Free-Air CO <sub>2</sub> Enrichment
CALM	Circumpolar Active Layer Monitoring	FAIR	Fair Access to Insurance Requirements
CAP	Common Agricultural Policy	FAO	Food and Agriculture Organization
CBA	cost-benefit analysis	FAR	First Assessment Report
CBAA	cost-benefit absent adaptation	FEMA	Federal Emergency Management Agency
CBWAF	cost-benefit with adaptation foresight	FEWS NET	Famine Early Warning System Network
CCAMLR	Commission for the Conservation of Antarctic Marine Living Resources	GARP	Global Atmospheric Research Program
CCC	Canadian Centre for Climate Prediction and Analysis	GBR	Great Barrier Reef
CCSI	Climate Change Sustainability Index	GCM	general circulation model
CCSR	Center for Climate System Research	GDP	gross domestic product
CDM	Clean Development Mechanism	GEF	Global Environment Facility
CDS	Conventional Development Scenario	GEWEX	Global Energy and Water Cycle Experiment
CEA	cost-effectiveness analysis	GFDL	Geophysical Fluid Dynamics Laboratory
CEE	central and eastern Europe	GHG	greenhouse gas
CEI	Climate Extremes Index	GIS	Geographic Information System
CFC	chlorofluorocarbon	GISS	Goddard Institute for Space Studies
CIS	Commonwealth of Independent States	GLASOD	Global Assessment of Human-Induced Soil Degradation
COAG	Council of Australian Governments	GLSLB	Great Lakes-St. Lawrence Basin Project
CPACC	Caribbean Planning for Adaptation to Global Climate Change	GNP	gross national product
CPU	catch per unit	GPP	gross primary productivity
CPUE	catch per unit effort	GTNet-P	Global Terrestrial Network for Permafrost
CSIRO	Commonwealth Scientific and Industrial Research Organisation (Australia)	HAPEX	Hydrologic Atmosphere Pilot Experiment
CV	compensated variation	HDI	human development index
CVM	contingent valuation method	HIV	human immunodeficiency virus
DA	decision analysis	HMGP	Hazard Mitigation Grant Program
DAF	decision analytic framework	HPS	hantavirus pulmonary syndrome
DALY	disability-adjusted life year	HRI	heat-related injury or illness
DDC	Data Distribution Centre	IAI	Inter-American Institute for Global Change
DES	dietary energy supply	IAM	integrated assessment model
DOC	dissolved organic carbon	ICES	International Council for the Exploration of the Seas
DSE	development, sustainability, and equity	ICLEI	International Council for Local Environmental Initiatives
DTR	diurnal temperature range	ICZM	integrated coastal zone management
DWR	Department of Water Resources	ICM	integrated coastal management
EAC	East Australian Current	IDNDR	International Decade for Natural Disaster Reduction
ECLAC	Economic Commission for Latin America and the Caribbean	IFRC-RCS	International Federation of Red Cross and Red Crescent Societies
		IGBP	International Geosphere-Biosphere Programme
		IHDP	International Human Dimensions Programme
		IMAGE	Integrated Model to Assess the Greenhouse Effect
		IPCC	Intergovernmental Panel on Climate Change

ISEW	Index of Sustainable Economic Welfare	RA	risk assessment
ITCZ	Inter-Tropical Convergence Zone	RCM	regional climate model
IWRM	integrated water resources management	R&D	research and development
JE	Japanese encephalitis	REWU	Regional Early Warning Unit
JI	joint implementation	RICC	Regional Impacts of Climate Change
JJA	June, July, August	RMA	Resource Management Act (New Zealand)
JUA	Joint Underwriting Association	RVF	Rift Valley fever
LAC	La Crosse encephalitis	SADC	Southern Africa Development Community
LCC	land-cover change	SAMW	sub-Antarctic mode water
LGM	last glacial maximum	SAP	structural adjustment program
LHB	large-area herbivore biomass	SAR	Second Assessment Report
LUC	land-use change	SARP	Simulation and System Analysis for Rice Production
MAP	mean annual precipitation	SCS	strategic cyclical scaling
MBIS	Mackenzie Basin Impact Study	SHV	snowshoe hare virus
MEI	morphoedaphic index	SICA	Central American Integration System
MPI	Max-Planck Institute	SLE	St. Louis encephalitis
MSF	Médecins sans Frontières	SO	Southern Oscillation
MSY	maximum sustainable yield	SOC	soil organic carbon
MSX	multinucleated spore unknown	SOI	Southern Oscillation Index
MVE	Murray Valley encephalitis	SOM	soil organic matter
NAFTA	North American Free Trade Agreement	SPC	Secretariat of the Pacific Community
NAO	North Atlantic Oscillation	SPCZ	Southern Pacific Convergence Zone
NAST	National Assessment Synthesis Team	SPREP	South Pacific Regional Environment Programme
NATO	North Atlantic Treaty Organization	SRB	Senegal River basin
NBP	net biome productivity	SRES	Special Report on Emissions Scenarios
NCAR	National Center for Atmospheric Research	SSA	sub-Saharan Africa
NDVI	Normalized Difference Vegetation Index	SST	sea-surface temperature
NEP	net ecosystem productivity	SWRCB	State Water Resource Control Board
NGO	nongovernmental organization	TAR	Third Assessment Report
NH	Northern Hemisphere	TBE	tick-borne encephalitis
NIES	National Institute for Environmental Studies (Japan)	TEM	Terrestrial Ecosystem Model
NIWA	New Zealand Institute of Water and Atmospheric Research	THC	thermohaline circulation
NPDO	North Pacific Decadal Oscillation	TNR	Toronto-Niagara Region Study
NPP	net primary productivity	UKCIP	United Kingdom Climate Impacts Programme
NWFP	non-wood forest products	UKMO	United Kingdom Meteorological Office
NSW	New South Wales	UN	United Nations
OECD	Organisation for Economic Cooperation and Development	UNCCD	UN Convention to Combat Desertification
OMVS	Organisation pour la Mise en Valeur du Fleuve Senegal	UNCED	UN Conference on Environment and Development
PACIS	Pan-American Climate Information and Applications System	UNCHS	UN Center for Human Settlements
PAN	peroxyacetyl nitrate	UNCSD	UN Commission for Sustainable Development
P/C	property-casualty	UNDP	UN Development Programme
PCB	polychlorinated biphenyl	UNEP	UN Environmental Programme
PDO	Pacific Decadal Oscillation	UNFCCC	UN Framework Convention on Climate Change
PDSI	Palmer Drought Severity Index	UN-OCHA	UN Office for the Coordination of Humanitarian Affairs
PE	policy exercise	USAID	U.S. Agency for International Development
PET	potential evapotranspiration	UV	ultraviolet
PG	protection guaranteed	V&A	vulnerability and adaptation
PML	probable maximum loss	VAM	Vulnerability Assessment and Mapping
PPP	purchasing power parity	VBD	vector-borne disease
PQLI	physical quality of life index	VEE	Venezuelan equine encephalitis
P-S-I-R	pressure-state-impact-responses	VC	vectorial capacity
PSMSL	Permanent Service for Mean Sea Level		
PTSD	post-traumatic stress disorder		

VOC	volatile organic carbon	WGI	Working Group I
VRA	Volta River Authority	WGII	Working Group II
WAIS	West Antarctic ice sheet	WGIII	Working Group III
WAP	western Antarctic peninsula	WHO	World Health Organization
WCED	World Commission on Environment and Development	WMO	World Meteorological Organization
WCRP	World Climate Research Programme	WN	West Nile
WEE	western equine encephalitis	WTA	willingness to accept payment
WFP	World Food Program	WTP	willingness to pay
		WUE	water-use efficiency

## UNITS

### *SI (Système Internationale) Units*

Physical Quantity	Name of Unit	Symbol
length	meter	m
mass	kilogram	kg
time	second	s
thermodynamic temperature	kelvin	K
amount of substance	mole	mol

### *Special Names and Symbols for Certain SI-Derived Units*

Physical Quantity	Name of SI Unit	Symbol for SI Unit	Definition of Unit
force	newton	N	kg m s <sup>-2</sup>
pressure	pascal	Pa	kg m <sup>-1</sup> s <sup>-2</sup> (= Nm <sup>-2</sup> )
energy	joule	J	kg m <sup>2</sup> s <sup>-2</sup>
power	watt	W	kg m <sup>2</sup> s <sup>-3</sup> (= Js <sup>-1</sup> )
frequency	hertz	Hz	s <sup>-1</sup> (cycle per second)

### *Decimal Fractions and Multiples of SI Units Having Special Names*

Physical Quantity	Name of Unit	Symbol for Unit	Definition of Unit
length	ångstrom	Å	10 <sup>-10</sup> m = 10 <sup>-8</sup> cm
length	micrometer	µm	10 <sup>-6</sup> m = µm
area	hectare	ha	10 <sup>4</sup> m <sup>2</sup>
force	dyne	dyn	10 <sup>-5</sup> N
pressure	bar	bar	10 <sup>5</sup> N m <sup>-2</sup>
pressure	millibar	mb	1hPa
weight	ton	t	10 <sup>3</sup> kg