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Annex II: Acronyms

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|----------------|---|-------------------|---|
| a.s.l. | Above Sea Level | ESL | Extreme Sea Level |
| AABW | Antarctic Bottom Water | ESM | Earth System Model |
| ABNJ | Areas Beyond National Jurisdiction | ETC | Extratropical Cyclone |
| AC | Arctic Council | EWS | Early Warning System |
| ACC | Antarctic Circumpolar Current | FISHMIP | Fisheries and Marine Ecosystems Impact |
| AEWC | Alaska Eskimo Whaling Commission | | Model Intercomparison Project |
| AIS | Antarctic Ice Sheet | GACS | Global Alliance of Continuous |
| ALT | Active-Layer Thickness | | Plankton Recorder Surveys |
| AMO | Atlantic Multidecadal Oscillation | GCM | General Circulation Model/Global Climate Model |
| AMOC | Atlantic Meridional Overturning Circulation | GDP | Gross Domestic Product |
| AMV | Atlantic Multidecadal Variability | GGR | Greenhouse Gas Removal |
| AOGCM | Atmosphere-Ocean General Circulation Model | GHG | Greenhouse Gas |
| AP | Antarctic Peninsula | GIA | Glacio-Isostatic Adjustment |
| AR4 | IPCC 4th Assessment Report | GIS | Greenland Ice Sheet |
| AR5 | IPCC 5th Assessment Report | GLOF | Glacial Lake Outburst Flood |
| AR6 | IPCC 6th Assessment Report | GMSL | Global Mean Sea Level |
| ASE | Amundsen Sea Embayment | GMST | Global Mean Surface Temperature |
| ASF | Animal Sourced Food | GPD | Generalised Pareto Distribution |
| ATS | Antarctic Treaty System | GPG | Good Practice Guidance |
| BC | Black Carbon | GPP | Gross Primary Production |
| BECCS | Bioenergy with Carbon Capture and Storage | GPS | Global Positioning System |
| CAO | Central Arctic Ocean | GRACE | Gravity Recovery and Climate Experiment |
| CbA | Community-based Adaptation | GRD | Gravity, Rotation, and Deformation |
| CBD | Convention on Biological Diversity | GSP | Gross State Product |
| CBM | Community-based Monitoring | GWP | Global Warming Potential |
| CCAMLR | Convention for the Conservation of | HAB | Harmful Algal Blooms |
| | Antarctic Marine Living Resources | HFC | Hydrofluorocarbons |
| CDR | Carbon Dioxide Removal | HSM | Historical Simulation |
| CFC | Chlorofluorocarbons | IAEA | International Atomic Energy Agency |
| CMIP | Coupled Model Intercomparison Project | ICC | Inuit Circumpolar Council |
| CMIP3 | Coupled Model Intercomparison Project Phase 3 | ICM | Integrated Coastal Management |
| CMIP5 | Coupled Model Intercomparison Project Phase 5 | ICZM | Integrated Coastal Zone Management |
| CMIP6 | Coupled Model Intercomparison Project Phase 6 | IK | Indigenous Knowledge |
| COP | Conference of Parties | IMO | International Maritime Organization |
| CoSMoS | Coastal Storm Modeling System | INGO | International Non-Governmental Organisation |
| COWCLIP | Coordinated Ocean Wave Climate Project | IOC-UNESCO | Intergovernmental Oceanographic Commission |
| CPR | Continuous Plankton Recorder | | of the United Nations Educational, Scientific and |
| CRDP | Climate-Resilient Development Pathway | | Cultural Organization |
| DDT | Dichlorodiphenyl-trichloroethane | IOD | Indian Ocean Dipole |
| DHW | Degree Heating Week | IPBES | Intergovernmental Platform on Biodiversity and |
| DIC | Dissolved Inorganic Carbon | | Ecosystem Services assessments |
| DJF | December, January, February | IPO | Interdecadal Pacific Oscillation |
| DO | Dissolved Oxygen | IRC | Inuvialuit Regional Corporation |
| DOC | Dissolved Organic Carbon | ISR | Inuvialuit Settlement Region |
| DRM | Disaster Risk Management | ITCZ | Intertropical Convergence Zone |
| DSL | Deep Scattering Layers | ITF | Indonesia Throughflow |
| EAD | Expected Annual Damages | IWRM | Integrated Water Resource Management |
| EAIS | East Antarctic Ice Sheet | JJA | June, July, August |
| EbA | Ecosystem-based Adaptation | L&D | Loss and Damage |
| EBUS | Eastern Boundary Upwelling System | LDC | Least Developed Countries |
| ECMWF | European Centre for Medium-Range | LDOC | Labile Dissolved Organic Carbon |
| | Weather Forecasts | LECZ | Low Elevation Coastal Zone |
| ECP | Extended Concentration Pathway | LGM | Last Glacial Maximum |
| EDW | Elevation Dependent Warming | LIG | Last Interglacial |
| EEZ | Exclusive Economic Zone | LK | Local Knowledge |
| ENSO | El Niño-Southern Oscillation | LLIC | Low-Lying Islands and Coasts |
| ESA CCI | European Space Agency Climate Change Initiative | LMMA | Locally Managed Marine Protected Area |

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|----------------|---|---------------|--|
| LUC | Land-Use Change | RSL | Relative Sea Level |
| LULUC | Land Use and Land-Use Change | RSLR | Relative Sea Level Rise |
| M&E | Monitoring and Evaluation | SAM | Southern Annular Mode |
| MAGT | Mean Annual Ground Temperature | SAMOC | South Atlantic Meridional Overturning Circulation |
| MCDA | Multi-Criteria Decision Analysis | SD | Sustainable Development |
| MHW | Marine Heatwave | SDGs | Sustainable Development Goals |
| MICI | Marine Ice Cliff Instability | SDM | Structured Decision Making |
| MIP | Model Intercomparison Project | SDP | Sustainable Development Pathway |
| MISI | Marine Ice Sheet Instability | SH | Southern Hemisphere |
| MOC | Meridional Overturning Circulation | SIDS | Small Island Developing States |
| MPA | Marine Protected Area | SLCF | Short-Lived Climate Forcers |
| mPWP | mid-Pliocene Warm Period | SLE | Sea Level Equivalent |
| MRV | Measurement, Reporting and Verification | SLP | Sea Level Pressure |
| MSL | Mean Sea Level | SLR | Sea Level Rise |
| MSY | Maximum Sustainable Yield | SMB | Surface Mass Balance |
| NADW | North Atlantic Deep Water | SPG | Subpolar Gyre |
| NAO | North Atlantic Oscillation | SPM | Summary for Policymakers |
| NAP | National Adaption Plan | SR15 | IPCC Special Report on Global Warming of 1.5°C |
| NCEP | National Centers for Environmental Prediction | SRCCl | IPCC Special Report on Climate Change and Land |
| NCP | Nature's Contribution to People | SRES | IPCC Special Report on Emissions Scenarios |
| NDC | Nationally Determined Contributions | SREX | IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation |
| NGO | Non-Governmental Organisation | | |
| NOAA | National Oceanic and Atmospheric Administration | SRM | Solar Radiation Modification |
| NPP | Net Primary Production | SROCC | IPCC Special Report on the Ocean and Cryosphere in a Changing Climate |
| NPV | Net Present Value | | |
| OA | Ocean Acidification | SRTM | Shuttle Radar Topography Mission |
| OHC | Ocean Heat Content | SSPs | Shared Socioeconomic Pathways |
| OLS | Ordinary Least Square | SST | Sea Surface Temperature |
| OMZ | Oxygen Minimum Zone | SWE | Snow Water Equivalent |
| PCBs | Polychlorinated Biphenyls | TC | Tropical Cyclone |
| PDO | Pacific Decadal Oscillation | THC | Thermohaline Circulation |
| PFC | Perfluorocarbons | ToE | Time of Emergence |
| PIG | Pine Island Glacier | UNCLOS | United Nations Convention on the Law of the Sea |
| PISM | Parallel Ice Sheet Model | UNEP | United Nations Environment Programme |
| PM | Particulate Matter | UNFCCC | United Nations Framework Convention on Climate Change |
| POC | Particulate Organic Carbon | | |
| POP | Persistent Organic Pollutants | UQ | Uncertainty Quantification |
| ppmv | parts per million volume | VLM | Vertical Land Motion |
| PSU | Practical Salinity Unit | WAIS | West Antarctic Ice Sheet |
| RCM | Regional Climate Model | WBC | Western Boundary Current |
| RCP | Representative Concentration Pathway | WGI | IPCC Working Group I |
| RDM | Robust Decision Making | WGI | IPCC Working Group I |
| RDOC | Refractory Dissolved Organic Carbon | WGII | IPCC Working Group II |
| RFC | Reason for Concern | WGMS | World Glacial Monitoring Service |
| RGI | Randolph Glacier Inventory | | |
| ITC | Rapid Intensification of Tropical Cyclones | | |

