

APPENDIX 1

GLOSSARY OF ACRONYMS

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| AAA | Agriculture - Advancing Australia |
| AAD | Australian Antarctic Division |
| AAH | Australian Academy of the Humanities |
| AAS | Australian Academy of Science |
| AATSR | Advanced Along Track Scanning Radiometer |
| ABARE | Australian Bureau of Agricultural and Resource Economics |
| ABS | Australian Bureau of Statistics |
| ABSLM | Australian Baseline Sea Level Monitoring |
| ACADS | Association for Computer Aided Design |
| ACAPS | Aerosol Characterisation and Process Studies (of IGAC) |
| ACC | Anthropogenic Climate Change program (of CLIVAR) |
| ACC | Antarctic Circumpolar Current |
| ACCAD | Advisory Committee for the World Climate Applications and Data Programmes (of WMO) |
| ACE-Asia | Aerosol Characterisation Experiment in the Asia Pacific Region (of IGAC) |
| ACIAR | Australian Centre for International Agricultural Research |
| ACIHDP | Australian Committee of the IHDP |
| ACMAD | African Centre for Meteorological Applications for Development |
| ACOM | Australian Community Ocean Model |
| ACOS | Australian Climate Observing System |
| ACRE | Australian Centre for Renewable Energy (Murdoch University) |
| ACRES | Australian Centre for Remote Sensing |
| ACS | Australian Construction Service |
| ACSYS | Arctic Climate Systems Study (of WCRP) |
| ACSYS-CLiC | Arctic Climate System Study - Climate and Cryosphere (of WCRP) |
| ACWCRP | Australian Committee for the World Climate Research Programme |
| ADAM | Australian Data Archive for Meteorology |
| ADEOS | Advanced Earth Observing Satellite (of NASDA) |
| AFFA | Agriculture Fisheries and Forestry – Australia |
| AGBM | Ad hoc Group on the Berlin Mandate |
| AGCM | Atmospheric General Circulation Model |
| AGSO | Australian Geological Survey Office |
| AGWEST | Agriculture Western Australia |
| AHURI | Australian Housing and Urban Research Institute |
| AIDAB | Australian International Development Assistance Bureau (now AusAID) |
| AIMS | Analysis, Interpretation, Modelling and Synthesis phase (of WOCE) |
| AIMS | Australian Institute of Marine Science |
| AIP | Algorithm Intercomparison Projects |
| AIRAH | Association for Refrigeration, Airconditioning and Heating |
| AIRS | Advanced Infrared Sounder |
| AITA | Australian Institute for Tropical Architecture (at James Cook University) |

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| AMDAR | Aircraft Meteorological Data Relay |
| AMEC | Australian Minerals and Energy Council |
| AMEX | Australian Monsoon Experiment |
| AMIP | Atmospheric Model Intercomparison Project |
| AMISC | Australian Marine Industries and Sciences Council |
| AMOS | Australian Meteorological and Oceanographic Society |
| AMSA | Australian Maritime Safety Authority |
| ANARE | Australian National Antarctic Research Expeditions |
| ANC UNESCO | Australian National Commission for UNESCO |
| ANCA | Australian Nature Conservation Agency |
| AnITRP | Antarctic (Sea) Ice Thickness Research Programme (of WCRP) |
| ANSTO | Australian Nuclear Science and Technology Organisation |
| ANU | Australian National University |
| ANZECC | Australian and New Zealand Environment and Conservation Council |
| ANZUK | Australia-New Zealand-United Kingdom Intergovernmental Agreement on climate change |
| AODC | Australian Oceanographic Data Centre |
| AOOS | Australian Ocean Observing System |
| APARE | East Asia-north Pacific Region |
| APEC | Asia-Pacific Economic Cooperation organisation |
| APN | Asia-Pacific Network |
| ASPeCt | Antarctic Sea-ice Processes and Climate (of ACSYS-CLiC) |
| APSIM | Agricultural Production Systems Simulator |
| APSRU | Agricultural Production Systems Research Unit |
| APT | Automatic Picture Transmission |
| ARA | Airborne Research Australia |
| ARCHISS | Archive Climatic History Survey |
| ARCS | Atmosphere Radiation Cloud Station (of ARM) |
| Argo | Array for Real-time Geostrophic Oceanography |
| ARL | Australian Radiation Laboratory |
| ARM | Atmospheric Radiation Measurement |
| ARMCANZ | Agriculture and Resource Management Council of Australia and New Zealand |
| ASAP | Automated Shipboard Aerological Programme |
| ASEAN | Association of South East Asian Nations |
| ASHOE | Airborne Southern Hemisphere Ozone Expedition |
| ASO | Australian Space Office |
| ASOE | Antarctic and Southern Ocean Environment |
| ASPeCt | Antarctic Sea ice Processes and Climate program (of SCAR) |
| ASTEC | Australian Science and Technology Council |
| ASTER | Advanced Space-borne Thermal Emission and Reflection Radiometer |
| ATLAS | Arctic Transitions in the Land-Atmosphere System |
| ATSR | Along Track Scanning Radiometer |
| AusAID | Australian Agency for International Development |
| AUSCORE | Australian Coral Records group |
| AUSLIG | Australian Surveying and Land Information Group |
| Aussie GRASS | Australian Grassland and Rangeland Assessment by Spatial Simulation |
| AVHRR | Advanced Very High Resolution Radiometer |

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| AVOF | Australian Voluntary Observing Fleet |
| AWRA2000 | Australian Water Resources Assessment 2000 |
| BAHC | Biospheric Aspects of the Hydrological Cycle (of IGBP) |
| BAM | BMRC Atmospheric Model |
| BAPMoN | Background Air Pollution Monitoring Network |
| BAPS | Baseline Air Pollution Station |
| BASE | Best approximation to surface exchanges (a model parameterisation) |
| BATGE | Biosphere-Atmosphere Trace Gas Exchange in the Tropics (of IGAC) |
| BBC | Building Better Cities |
| BIBEX | Biomass Burning Experiment (of IGAC) |
| BMG | (Meteorological and Geophysical Agency of Indonesia) |
| BMRC | Bureau of Meteorology Research Centre |
| BoM | Bureau of Meteorology |
| BRS | Bureau of Rural Sciences (formerly Bureau of Resource Sciences) |
| BSRN | Baseline Surface Radiation Network |
| CAR | CSIRO Atmospheric Research |
| CARBICE | Carbon Dioxide Intercalibration Experiment (of IGAC) |
| CARDS | Comprehensive Aerological Reference Data Set |
| CARE | Centre for Agricultural and Resource Economics (University of New England) |
| CAS | (WMO) Commission for Atmospheric Science |
| CASE | Centre for Application of Solar Energy (of UNIDO) |
| CBCE | CSIRO Building, Construction and Engineering |
| CBS | (WMO) Commission for Basic Systems |
| CCAMLR | Convention for the Conservation of Antarctic Marine Living Resources |
| CCCO | Committee on Climate Changes and the Ocean |
| CCDP | (WMO) Climate Change Detection Project |
| CCN | cloud condensation nuclei |
| CCP | Cities for Climate Protection |
| CCST | Coordinating Committee on Science and Technology |
| CCWCP | Coordination Committee World Climate Programme |
| CDMS | Climate Database Management System |
| CDROM | Compact Disc – Read-Only Memory |
| CEO | Centre for Earth Observations (of CSIRO) |
| CEOS | Committee on Earth Observations Satellites |
| CET | (CSIRO) Coal and Energy Technology |
| CFC | Chlorofluorocarbons |
| CHASM | Chameleon Surface Model (of Macquarie University) |
| CIC | Climatic Impacts Centre (Macquarie University) |
| CINRS | Climate Impacts and Natural Resource Systems group (of QDNR) |
| CIS | Commonwealth of Independent States (former USSR) |
| CLIC | Climate and Cryosphere program (of WCRP) |
| CLICOM | Climate Computing (of WMO) |
| CLIMARC | Climate Archive (project of NCC) |
| CLIMAT | Data format for monthly GSN reports |
| CLIPS | Climate Information and Prediction Services (of WMO) |
| CLIVAR | Climate Variability and Predictability (of WCRP) |
| CLIVAR-GOALS | seasonal to interannual variability (of CLIVAR) |

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| CLIVAR-DecCen | decadal to centennial variability (of CLIVAR) |
| CLIVAR-ACC | anthropogenic climate change (of CLIVAR). |
| CLW | CSIRO Land and Water |
| CMA | China Meteorological Administration |
| CMB | Climate Monitoring Bulletin |
| CMDL | Climate Monitoring and Diagnostics Laboratory (of NOAA) |
| CMIP | Coupled Model Intercomparison Project (of CLIVAR) |
| CMR | CSIRO Marine Research |
| CNES | Centre National d'Etudes Spatiales (National Space Research Centre-France) |
| CNG | compressed natural gas |
| COADS | Comprehensive Ocean Atmosphere Data Set |
| COAG | Council of Australian Governments |
| COMCIAM | Climate Impacts Assessment and Management Program for Commonwealth Countries |
| COOE | Cooperative Ocean Observing Experiment |
| COOP | Coastal Ocean Observations Panel (of GOOS) |
| COP/FCCC | Conference of the Parties to the Framework Convention on Climate Change |
| COP-I | First Session of the Conference of the Parties to the FCCC |
| COSPAR | Committee on Space Research (of ICSU) |
| COSSA | CSIRO Office of Space Science and Applications |
| CPR | Continuous Plankton Recorder Programme (of GOOS) |
| CRC | Cooperative Research Centre |
| CRCCH | Cooperative Research Centre for Catchment Hydrology |
| CRCSHM | Cooperative Research Centre for Southern Hemisphere Meteorology |
| CRES | Centre for Resource and Environmental Studies (of ANU) |
| CRYIS | Climate Risk and Yield Information Service |
| CSD | (UN) Commission for Sustainable Development |
| CSIRO | Commonwealth Scientific and Industrial Research Organisation |
| CSURD | Centre for Sustainable Urban and Regional Development (Australian-Indonesian) |
| CTA | CSIRO Tropical Agriculture |
| CTIP | CSIRO Telecommunications and Industrial Physics |
| CVAP | Climate Variability in Agriculture Research and Development Program |
| CWE | CSIRO Wildlife and Ecology |
| DAR | (CSIRO) Division of Atmospheric Research (now CAR) |
| DARE | Data Rescue |
| DARLAM | CSIRO DAR Limited Area Model |
| DASETT | (former) Department of the Arts, Sport, the Environment, Tourism and Territories |
| DBCP | Drifting Buoy Cooperation Panel |
| DEBITS | Deposition of Biogeochemically Important Trace Species |
| DecCen | Decadal-to-Centennial program (of CLIVAR) |
| DECI | Drought Exceptional Circumstance Index |
| DEST | Department of the Environment, Sport and Territories (now DoEH) |
| DIST | (former) Department of Industry, Science and Tourism |
| DMC | Drought Monitoring Centre (Africa) |
| DMSP | Defence Meteorological Satellite Program |
| DoEH | Department of the Environment and Heritage |

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| DPIE | Department of Primary Industries and Energy |
| DWD | Deutscher Wetterdienst (German National Weather Service) |
| EA | Environment Australia (part of DoEH) |
| EAC | East Australian Current |
| EC | Executive Council |
| ECLIPS | Experimental Cloud Lidar Pilot Study |
| ECMWF | European Centre for Medium-range Forecasts |
| EEZ | Exclusive Economic Zone |
| ENSO | El Niño - Southern Oscillation |
| EOC | (CSIRO) Earth Observation Centre |
| EPA | Environmental Protection Authority |
| EPG | Environment Protection Group (of EA) |
| ERIN | Environmental Resources Information Network (of EA) |
| ERS | Earth Resources Satellite (European Space Agency) |
| ESD | Ecologically Sustainable Development |
| ESG | Expert Sub-Group |
| EUMETSAT | European Organisation for the Exploitation of Meteorological Satellites |
| EuroGOOS | European GOOS |
| FANGIO | Feedback Analysis for GCM Intercomparison and Observation |
| FAO | (UN) Food and Agriculture Organization |
| FAR | First Assessment Report (of the IPCC) |
| FCCC | (UN) Framework Convention on Climate Change |
| FFP | (CSIRO) Forestry and Forest Products |
| FIAMS | Flinders Institute for Atmospheric and Marine Sciences |
| FORGE | FOcussed Rainfall Growth Estimation project (of the CRC for Catchment Hydrology) |
| FRIEND | Flow Regimes from International, Experimental and Network Data |
| FY-2 | Feng Yun - 2 (Chinese geostationary satellite) |
| GAGE | Global Atmospheric Gas Experiment |
| GAIM | Global Analysis, Interpretation and Modelling (of IGBP) |
| GAME | GEWEX Asian Monsoon Experiment |
| GARP | Global Atmospheric Research Programme |
| GASLAB | Global Atmospheric Sampling Laboratory |
| GASP | Global Assimilation and Prognosis System |
| GAW | Global Atmosphere Watch |
| GBR | Great Barrier Reef |
| GBRMPA | Great Barrier Reef Marine Park Authority |
| GCIP | GEWEX Continental-Scale International Project |
| GCM | General Circulation Model |
| GCOS | Global Climate Observing System |
| GCRMN | Global Coral Reef Monitoring Network (of GOOS) |
| GCSS | GEWEX Cloud System Study |
| GCTE | Global Change and Terrestrial Ecosystems (of IGBP) |
| GEMS | Global Environmental Monitoring System (of UNEP and the WHO) |
| GEMS-Water | Global Environment Monitoring System – Water |
| GEOSAT | Ocean Topography Satellite |
| GEWEX | Global Energy and Water Cycle Experiment (of WCRP) |
| GFDL | Geophysical Fluid Dynamics Laboratory (of USA) |

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| GHCN | Global Historical Climate Network |
| GIMS | Global Integrated Monitoring System |
| GIPME | Global Investigation of Pollution in the Marine Environment |
| GIS | Geographic Information Systems |
| GLOBEC | Global Ocean Ecosystems Dynamics (of IGBP) |
| GLOCARB | Global Tropospheric Carbon Dioxide Network (of IGAC) |
| GLOCHANT | Group of specialists on Global Change and the Antarctic (of SCAR) |
| GLONET | Global Tropospheric Ozone Network (of IGAC) |
| GLORIA | Global Observation Research Initiative in Alpine Environments |
| GLOSS | Global Sea Level Observing System |
| GMS | Geostationary Meteorological Satellite (Japan) |
| GOALS | Global Ocean-Atmosphere-Land System (of CLIVAR) |
| GODAE | Global Ocean Data Assimilation Experiment |
| GOES | Geostationary Operational Environmental Satellite (USA) |
| GOEZO | Global Ocean Euphotic Zone Study (of IGBP) |
| GOFC | Global Observation of Forest Cover panel (of GTOS) |
| GOMS | Geostationary Operational Meteorological Satellite (of CIS) |
| GOOS | Global Ocean Observing System |
| GOOS-IOO | GOOS Initial Observing System |
| GOS | Global Observing System |
| GOSSP | Global Observing Systems Space Panel (of GCOS/GOOS/GTOS) |
| GPCP | Global Precipitation Climatology Project |
| GRDC | Grains Research and Development Corporation |
| GRIPS | GCM Reality Intercomparison Project for SPARC |
| GSAC | Greenhouse Science Advisory Committee |
| GSC | GOOS Steering Committee |
| GSAM | Generalised Southeast Australia Method of estimating PMP |
| GSFC | Goddard Space Flight Center (USA) |
| GSN | GCOS Surface Network |
| GTEM | general equilibrium model of the global economy (of ABARE) |
| GTN-C | Global Terrestrial Network - Carbon |
| GT-Net | GTOS "system of networks" |
| GTOS | Global Terrestrial Observing System |
| GTS | Global Telecommunications System |
| GTSM | Generalised Tropical Storm Method of estimating PMP |
| GTSP | Global Temperature and Salinity Pilot Project |
| GUAN | GCOS Upper Air Network |
| HCFC | hydrochlorofluorocarbons |
| HDP | Human Dimensions of Global Environmental Change Programme |
| HER | House Energy Rating scheme |
| HLGG | High Level Group on Greenhouse |
| HOMA | Heads of Commonwealth Marine Agencies |
| HPCCC | High Performance Computing and Communications Centre (of the Bureau and CSIRO) |
| HRPT | High Resolution Picture Transmission |
| HWRP | Hydrology and Water Resources Programme (of WMO) |
| IAMAS | International Association of Meteorology and Atmospheric Sciences (of IUGG) |

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| IAnZone | International Antarctic Zone Program (of SCOR) |
| IAPSO | International Association for the Physical Sciences of the Oceans (of IUGG) |
| IASOS | Institute of Antarctic and Southern Ocean Studies |
| ICAO | International Civil Aviation Organization |
| ICB | International Congress of Biometeorology |
| ICELAB | (CSIRO) Ice Core Extraction Laboratory |
| ICSU | International Council for Science (formerly International Council of Scientific Unions) |
| ICUC | International Conference on Urban Climatology |
| IDNDR | International Decade for Natural Disaster Reduction |
| IEA | International Energy Agency |
| IEOS | International Earth Observation System |
| IEOSM | International Earth Observation Satellite Missions |
| IGAC | International Global Atmospheric Chemistry project (of IGBP) |
| IGBP | International Geosphere-Biosphere Programme |
| IGES | Institute for Global Environmental Strategies (in Japan) |
| IGM/WCP | Intergovernmental Meeting on the World Climate Programme ("The Climate Agenda") |
| I-GOOS | IOC/WMO/UNEP Committee for GOOS |
| IGOS | Integrated Global Observing Strategy |
| IGOSS | Integrated Global Ocean Services System |
| IHDP | International Human Dimensions of Global Environmental Change Programme |
| IHP | International Hydrology Programme (of UNESCO) |
| IIAG | Interim Implementation Advisory Group (of GOOS) |
| IMO | International Meteorological Organisation |
| INC/FCCC | Intergovernmental Negotiating Committee for a Framework Convention on Climate Change |
| INFOCLIMA | World Climate Data Information Referral Service |
| INSAT | Indian Geostationary Satellite |
| IOC | Intergovernmental Oceanographic Commission (of UNESCO) |
| IOCI | Indian Ocean Climate Initiative |
| IODE | International Oceanographic Data and Information Exchange |
| IOS | Initial Operational System (of GCOS) |
| IPAB | International Programme for Antarctic Buoys (of WCRP) |
| IPCC | Intergovernmental Panel on Climate Change |
| IR | Infrared |
| ISMAS | Ice Sheet Mass Balance (of GLOCHANT) |
| ISSC | International Social Science Council |
| ISY | International Space Year |
| IUBS | International Union of Biological Sciences |
| IUCN | The World Conservation Union |
| IUGG | International Union of Geodesy and Geophysics (of ICSU) |
| IUGS | International Union of Geological Sciences |
| IUQR | International Union of Quaternary Research |
| JAFOOS | Joint (CMR/BMRC) Australian Facility for Ocean Observing Systems |
| JCOMM | Joint (WMO/IOC) Technical Commission for Oceanography and Marine Meteorology |

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| JCU | James Cook University |
| JDIMP | Joint Data and Information Management Panel (of GCOS/GOOS/GTOS) |
| JERS-1 | Japanese Earth Resources Satellite |
| JGOFS | Joint Global Ocean Flux Study (of IGBP) |
| J-GOOS | Joint Scientific and Technical Committee of GOOS |
| JMA | Japan Meteorological Agency |
| JSTC | Joint Scientific and Technical Committee (of GCOS) |
| JWG | Joint Working Group (GCOS/GOOS) |
| LAII | Land-Atmosphere-Ice Interactions program |
| LAN | Local Area Network |
| LANDSAT | Land Remote Sensing Satellite |
| LAPS | Limited Area Prediction System |
| LMD | Laboratoire de Météorologie Dynamique (in France) |
| LOICZ | Land-Ocean Interactions in the Coastal Zone |
| LPG | liquified petroleum gas |
| LUCC | Land-Use and Land-Cover Change (of IGBP) |
| LULUCF | land use, land use change and forestry |
| LWRRDC | Land and Water Resources Research & Development Corporation |
| McIDAS | Man computer Interactive Data Access System |
| MCTEX | Maritime Continent Thunderstorm Experiment |
| MDP | Multi Divisional Program |
| MECCA | Model Evaluation Consortium for Climate Assessment |
| MedGOOS | Mediterranean GOOS |
| MEDS | Marine Environmental Data Service |
| MFP | Multi Function Polis |
| MODIS | Moderate-resolution Imaging Spectrometer |
| MOS-1 | Marine Observation Satellite (Japan) |
| MOU | Memorandum of Understanding |
| MS | Multiple Sclerosis |
| MSTP | Marine Science and Technology Plan |
| MTSAT | Multifunctional Transport Satellite of Japan |
| MVE | Murray Valley Encephalitis |
| NAA | National Archives of Australia |
| NASA | National Aeronautics and Space Administration (USA) |
| NASDA | National Space Development Agency (Japan) |
| NatHERS | National House Energy Rating Scheme |
| NATT | Northern Australia Tropical Transect |
| NBNA | National Benchmark Network for Agrometeorology |
| NCA | National Committee on Agrometeorology |
| NCAOS | National Committee for Atmospheric and Oceanic Sciences |
| NCAR | National Centre for Atmospheric Research (USA) |
| NCAS | National Carbon Accounting System |
| NCC | National Climate Centre (of BoM) |
| NCCAS | National Committee for Climate and Atmospheric Sciences |
| NCCGC | National Committee for Climate and Global Change (of AAS) |
| NCDC | National Climatic Data Center (USA) |
| NCGCP | National Climate and Global Change Program |
| NCIGBP | National Committee for the IGBP |

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| NCVP | National Climate Variability Program (of LWRRDC) |
| NDSC | Network for Detection of Stratospheric Change |
| NDTI | Normalised Difference Temperature Index |
| NDVI | Normalised Difference Vegetation Index |
| NEAR-GOOS | North East Asian Regional GOOS |
| NESDIS | National Environmental Satellite Data and Information Service (USA) |
| NGAC | National Greenhouse Advisory Committee |
| NGAP | National Greenhouse Advisory Panel |
| NGGI | National Greenhouse Gas Inventory |
| NGRS | National Greenhouse Response Strategy |
| NGSC | National Greenhouse Steering Committee |
| NHRC | Natural Hazard Research Centre |
| NHT | Natural Heritage Trust |
| NIWA | National Institute of Water and Atmospheric Research Ltd (of New Zealand) |
| NLWRA | National Land and Water Resources Audit |
| NMOC | National Meteorological and Oceanographic Centre (BoM) |
| NOAA | National Oceanographic and Atmospheric Administration (USA) |
| NODC | National Oceanographic Data Centre |
| NOHALICE | Nitrous Oxide and Halocarbon Intercalibration Experiment (of IGAC) |
| NRIC | National Resource Information Centre (BRS) |
| NSW | New South Wales |
| NT | Northern Territory |
| NTF | National Tidal Facility |
| NTU | Northern Territory University |
| OASIS | Observations At Several Interacting Scales |
| ODA | Overseas Development Assistance |
| OECD | Organisation for Economic Cooperation and Development |
| OOPC | Ocean Observations Panel for Climate (of GOOS) |
| OOSDP | Ocean Observing System Development Programme |
| OSS | Office of the Supervising Scientist |
| PAGES | Past Global Changes (of IGBP) |
| PANASH | Paleoclimates of the Northern and Southern Hemisphere |
| PAR | photosynthetically active radiation |
| PASC | Polar Atmospheric and Snow Chemistry (of IGAC) |
| PATHE | Partnership Advancing the Housing Environment |
| PAWA | Power and Water Authority (NT) |
| PDF | Probability Distribution Function |
| PEPII | Pole-Equator-Pole II program (of PAGES) |
| PILPS | Project for Intercomparison of Land Surface Parameterization Schemes (of GEWEX) |
| PIRATA | Pilot Research Array (of buoys) in the Tropical Atlantic |
| PMIP | Paleoclimatological Model Intercomparison Project |
| PMP | Probable Maximum Precipitation |
| PMP | Property Management Planning |
| PMSP | Pacific Meteorological Services Project |
| POLDER | Polarisation and Direction of the Earth's Reflectances (of ADEOS) |
| PRC | Peoples' Republic of China |

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| PROBE | Pilot Radiation Observations Experiment |
| QCCA | Queensland Centre for Climate Applications |
| QDNR | Queensland Department of Natural Resources |
| QDPI | Queensland Department of Primary Industries |
| QUT | Queensland University of Technology |
| Radarsat | Radar Satellite |
| RainMan | Rainfall Information for Better Management |
| RAMP | Rapid Assessment of Marine Pollution |
| RAN | Royal Australian Navy |
| RAPS | Remote Area Power Supplies |
| RASAC | Rural Assistance Scheme Advisory Committee |
| RASP | Regional Assimilation and Prognosis System |
| RAV | (WMO) Regional Association V (Five) |
| RCS | Reference Climate Station |
| RICE | Regional Interactions of Climate and Ecosystems |
| RICE | Rice Cultivation and Trace Gas Exchange (of IGAC) |
| RIRDC | Rural Industries Research and Development Corporation |
| RMIT | Royal Melbourne Institute of Technology University |
| RMSD | Regional Meteorological Service Directors |
| RSBS | Research School of Biological Sciences (of ANU) |
| S/VISSR | Stretched Visible and Infrared Spin-Scan Radiometer |
| SAC | Scientific Advisory Committee |
| SALPEX | Southern Alps Experiment |
| SAN | Storage Area Network |
| SAR | Second Assessment Report (of the IPCC) |
| SARCS | Southeast Asia Regional Committee for START |
| SARDI | South Australian Research and Development Institute |
| SAZ | Sub-Antarctic Zone |
| SBSTA | Subsidiary Body for Scientific and Technological Advice (of UNFCCC) |
| SBI | Subsidiary Body for Implementation (of UNFCCC) |
| SC IGBP | Scientific Committee for IGBP |
| SCAR | Scientific Committee on Antarctic Research (of ICSU) |
| SCARM | Standing Committee on Agricultural and Resource Management |
| SCO | Seasonal Climate Outlook |
| SCOPE | Scientific Committee on Problems of the Environment (of ICSU) |
| SCOR | Scientific Committee on Oceanic Research (of ISCU) |
| SCSMEX | South China Sea Monsoon Experiment |
| SEAFIRE | South-East Asia Fire Research Experiment |
| SEAGOOS | South East Asia GOOS |
| SERREAD | Scientific Educational Resources and Experience Associated with the Deployment of Argo Drifting Floats in the South Pacific Ocean |
| SeaWiFS | Sea-viewing Wide-Field Sensor |
| SEDA | Sustainable Energy Development Authority (NSW) |
| SIDS | Sudden Infant Death Syndrome |
| SILO | Special Information for Land Owners |
| SIT | Strategic Implementation Team (of CEOS) |
| SitesDb | metadata database (within ADAM) |
| SLPP-SO | Sea Level Pilot Project - Southern Ocean |

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| SLUIS | Sustainable Land Use Information Systems |
| SO | Southern Oscillation |
| SOAPEX | Southern Ocean Atmospheric Photochemistry Experiment |
| SOC | Specialised Oceanographic Centre |
| SOCEX | Southern Ocean Cloud Experiment |
| SOCIO | Sustained Observations for the Climate of the Indian Ocean |
| SO-GLOBEC | Southern Ocean component of the GLOBEC |
| SOI | Southern Oscillation Index |
| SO-JGOFS | Southern Ocean component of the JGOFS |
| SOLARCH | National Solar Architecture Research Unit (of UNSW) |
| SOLAS | Surface Ocean Lower Atmosphere Study (of WRCF and IGBP) |
| SOPAC | South Pacific Applied Geoscience Commission |
| SOWEX | Southern Ocean Wave Experiment |
| SPARC | Stratospheric Processes and their Role in Climate (of WCRP) |
| SPOT | Earth Observation Satellite (France) |
| SPREP | South Pacific Regional Environment Programme |
| SQL | Structured Query Language |
| SRES | Special Report on Emissions Scenarios (of IPCC) |
| SRF | Supplementary Reporting Format |
| SRLULUCF | Special Report on Land Use, Land Use Change and Forestry (of IPCC) |
| SSC | Strategy Sub-Committee (of I-GOOS) |
| SST | Sea Surface Temperature |
| SSU | Special Services Unit (BOM) |
| START | System for Analysis, Research and Training (of IGBP) |
| SUTA | Stratospheric and Upper Tropospheric Aerosols (of IGAC) |
| SWCC | Second World Climate Conference |
| SWR | Subcommittee on Water Resources (ARMCANZ) |
| SWT | sea water temperature |
| TAO | Tropical Atmosphere Ocean (array) |
| TAP-M | Technical Advisory Panel - Methodology (of SBSTA) |
| TAPS | Tropical Assimilation and Prognosis System |
| TAP-T | Technical Advisory Panel - Technologies (of SBSTA) |
| TAR | Third Assessment Report (of the IPCC) |
| TARS | Turn Around Ranging Station |
| TCCIP | Tropical Cyclone Coastal Impacts Project |
| TERSS | Tasmanian Earth Resources Satellite Station |
| TOGA | Tropical Ocean Global Atmosphere (of WCRP) |
| TOPC | (GCOS/GTOS) Terrestrial Observation Panel for Climate |
| TOPEX/ Poseidon | Ocean Surface Topography Experiment (Joint US/France satellite mission) |
| TRAGEX | Trace Gas Exchange (of IGAC) |
| TRANSCOM | Transport Model Intercomparison |
| TRMM | Tropical Rainfall Measuring Mission |
| TROPICS | Tropical River - Ocean Processes in Coastal Settings (of LOICZ) |
| TSAP GOOS | Technical and Scientific Advisory Panel for GOOS |
| UEA | Urban Ecology Australia |
| ULS | Upward Looking Sonar |
| UNCED | United Nations Conference on Environment and Development |

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| UNDP | United Nations Development Programme |
| UNEP | United Nations Environment Programme |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UNIDO | United Nations Industrial Development Organization |
| UNSW | University of New South Wales |
| UNT | University of the Northern Territory |
| UQ | University of Queensland |
| UTS | University of Technology, Sydney |
| UV | ultraviolet |
| UVR | ultraviolet radiation |
| UWA | University of Western Australia |
| UWS | University of Western Sydney |
| VAAC | Volcanic Ash Advisory Centre |
| VHF | Very High Frequency |
| VOS | Voluntary Observing Ship program (of WMO) |
| VOS-Clim | VOS project in support of global climate studies |
| WASTAC | Western Australian Satellite Applications and Technology Consortium |
| WCASP | World Climate Applications and Services Programme (of WCP) |
| WCDMP | World Climate Data and Monitoring Programme (of WCP) |
| WCIRP | World Climate Impacts Assessment and Response Strategies Programme (of WCP) |
| WCP | World Climate Programme |
| WCRP | World Climate Research Programme (of WCP) |
| WFW | World Fire Web |
| WEFAX | Weather Facsimile |
| WERS | Window Energy Rating Scheme |
| WESTPAC | Program Group for the Western Pacific |
| WG | Working Group (of IPCC) |
| WGCM | Working Group on Coupled Modelling |
| WGMS | World Glacier Monitoring Service |
| WGNE | Working Group on Numerical Experimentation |
| WHO | World Health Organization |
| WHYCOS | World Hydrological Climate Observing System (of WMO and the World Bank) |
| WMO | World Meteorological Organization |
| WOCE | World Ocean Circulation Experiment (of WCRP) |
| WRAP | Worldwide Recurring ASAP Project |
| WWW | World Weather Watch |
| XBT SOOP | Expendable Bathythermograph Ship of Opportunity Program |
| XBT | Expendable Bathythermograph |
| XCTD | Expendable Conductivity Temperature Depth profiler |
| X-SAR | Xband-Synthetic Aperture Radar |