

APPENDIX 3

AUSTRALIAN REPRESENTATION ON INTERNATIONAL CLIMATE-RELATED COMMITTEES AND WORKING GROUPS

Coordination/Technical Bodies

Australian Representatives

ADVANCED EARTH OBSERVING SATELLITE (ADEOS)

POLDER Science Working Team

Dr M A Box, School of Physics,
University of New South Wales

IMG (Interferometer for Monitoring Greenhouse Gases)

Dr J Le Marshall (Principal
Investigator) Bureau of
Meteorology Research Centre

AMERICAN METEOROLOGICAL SOCIETY (AMS)

Committee on Meteorology and Oceanography of the
Southern Hemisphere

Dr N Nicholls, Bureau of
Meteorology Research Centre

Committee on Tropical Meteorology and Tropical
Cyclones

Dr N Davidson, Bureau of
Meteorology Research Centre

Radar Meteorology Committee

Dr T Keenan, Bureau of
Meteorology Research Centre

APEC CLIMATE NETWORK (APCN)

Project Steering Committee

Dr N Nicholls, Bureau of
Meteorology Research Centre

ATMOSPHERIC RADIATION MEASUREMENT (ARM) PROGRAM

Science Team

Dr P May, Bureau of
Meteorology Research Centre

COMMITTEE ON EARTH OBSERVATIONS SATELLITES (CEOS)

Scientific Committee

Dr G Harris, Chief, CSIRO

Plenary Australian Representative	Land and Water Dr G Harris, Chief, CSIRO Land and Water
Australian Contact	Dr D Jupp, CSIRO Office of Space Science and Application
Working Group on Calibration and Validation	Dr I Barton, CSIRO Marine Research
Working Group on Information Systems and Services	Mr M Clarke, CSIRO Mathematical and Information Systems

EUROPEAN SPACE AGENCY (ESA)

Advanced Along Track Scanning Radiometer Science Team	Dr I Barton, CSIRO Marine Research
ERS/ENVISAT Science Working Team	Dr D Burrage, Australian Institute of Marine Science

EUROPEAN ORGANISATION FOR THE EXPLOITATION OF METEOROLOGICAL SATELLITES (EUMETSAT)

Infrared Atmospheric Sounding Interferometer (IASI) Sounder Science Working Group	Dr J Le Marshall, Bureau of Meteorology Research Centre
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GLOBAL CLIMATE OBSERVING SYSTEM (GCOS)

GCOS Steering Committee	Dr M Manton, Bureau of Meteorology Research Centre Dr N Smith, Bureau of Meteorology Research Centre
Ocean Observations Panel for Climate (OOPC)	Dr N Smith (Chair), Bureau of Meteorology Research Centre
Atmospheric Observations Panel for Climate (AOPC)	Dr M Manton (Chair), Bureau of Meteorology Research Centre

GLOBAL OCEAN OBSERVING SYSTEM (GOOS)

GOOS Steering Committee (GSC)	Dr A McEwan, Bureau of Meteorology Dr N Smith, Bureau of Meteorology Research Centre
International Global Ocean Data Assimilation Experiment Steering Committee	Dr N Smith, Bureau of Meteorology Research Centre

HRSST Science Team	Dr I Barton, CSIRO Marine Research
Intergovernmental Committee (I-GOOS)	Dr A McEwan (Chair), Bureau of Meteorology
Ocean Observations Panel for Climate	Dr N Smith (Chair), Bureau of Meteorology Research Centre
GOOS/GCOS/CLIVAR Ocean Time Series Steering Committee	Dr B Tilbrook, CSIRO Marine Research

GLOBAL TERRESTRIAL OBSERVING SYSTEM (GTOS)

Steering Committee	Mr J Busby (Scientific Representative), Environmental Resources Information Network
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INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (IOC) OF UNESCO

Australian Delegation	Dr A McEwan (Head), Bureau of Meteorology
Southern Ocean Regional Committee	Dr J Church, CSIRO Marine Research and Antarctic CRC
WESTPAC	Dr A McEwan, Bureau of Meteorology
IOC/SCOR/IGBP JGOFS CO ₂ Panel	Dr G I Pearman, CSIRO Atmospheric Research
	Dr R Francey, CSIRO Atmospheric Research

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)

IPCC Bureau	Dr J W Zillman, Bureau of Meteorology
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INTERNATIONAL COUNCIL FOR SCIENCE (ICSU)

Committee on Space Research (COSPAR)	Prof L Dyson, School of Physics, La Trobe University
	Prof R D Brown (IUPAC rep) Department of Chemistry, Monash University
DIVERSITAS (Joint program with UNESCO)	Prof I Noble (IGBP-GCTE rep) Research School of Biological Sciences, Australian National University

Inland Water Biodiversity Element	Dr W D Williams, Department of Environmental Biology, University of Adelaide
Marine Biodiversity Element	Dr T J Done, Australian Institute of Marine Science
Microbial Biodiversity Element	Dr L I Sly, Department of Microbiology, University of Queensland
Scientific Steering Committee	Dr P Bridgewater, Environment Australia
International Geosphere-Biosphere Programme (IGBP)	Dr G I Pearman (National Member), CSIRO Atmospheric Research Dr W Steffen (Executive Director), CSIRO Wildlife and Ecology Prof R J Wasson (Vice Chair) Centre for Resource and Environmental Studies, Australian National University
BAHC Scientific Advisory Committee	Prof A Pitman, Department of Physical Geography, Macquarie University
GAIM	
Scientific Steering Committee	Prof I Noble, Research School of Biological Sciences, Australian National University
Task Force	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
Ocean Carbon-Cycle Model Intercomparison Project (OCMIP) Scientific Steering Committee	Dr M England, University of New South Wales
GCTE	
Scientific Steering Committee	Dr P Canadell, (Executive Officer) CSIRO Wildlife and Ecology, and Research School of Biological Sciences, Australian National University Prof I Noble (Chair), Research School of Biological Sciences, Australian National University

GLOBEC Southern Ocean Planning Group	Dr S Nicol, Australian Antarctic Division
IGAC	
Scientific Steering Committee	Dr G P Ayers, CSIRO Atmospheric Research
	Dr P Fraser, CSIRO Atmospheric Research
ACAPS Activity Coordinating Committee	Dr J Gras (Co-convenor), CSIRO Atmospheric Research
BATGE Activity Coordinating Committee	Mr I Galbally, CSIRO Atmospheric Research
BIBEX Activity Coordinating Committee	Mr I Galbally, CSIRO, Atmospheric Research
DEBITS Activity Coordinating Committee	Dr G P Ayers, CSIRO Atmospheric Research
ICIC Activity Coordinating Committee	Dr P Fraser (Co-convenor), CSIRO Atmospheric Research
PASC Activity Coordinating Committee	Dr J Gras, CSIRO Atmospheric Research
RICE Activity Coordinating Committee	Dr O Denmead, CSIRO Canberra
TRAGEX Activity Coordinating Committee	Dr J R Freney, CSIRO Plant Industry
IHDP	
GECHS (Human Security) Scientific Planning Committee	Prof C Cocklin, Department of Geography and Environmental Science, Monash University
IDGEC (Institutions) Scientific Planning Committee	Dr M Wasson, Research School of Biological Sciences, Australian National University
JGOFS	
Scientific Steering Committee	Dr B Tilbrook, CSIRO Marine Research
Data Management Task Team (DMTT)	Mr B Griffiths, CSIRO Marine Research
Equatorial Pacific Synthesis & Modelling Group (EPSMG)	Dr D Mackey, CSIRO Marine Research
Global Synthesis and Modelling Team	Dr J Parslow CSIRO Marine Research

	Dr R Matear, CSIRO Marine Research
Photosynthesis Measurements Task Team	Dr J Parslow, CSIRO Marine Research
Remote Sensing Task Team	Dr J Parslow, CSIRO Marine Research
Southern Ocean Synthesis and Modelling Group	Dr D Mackey, CSIRO Marine Research
	Dr H J Marchant, Australian Antarctic Division
	Dr T Trull, Antarctic CRC
	Dr B Tilbrook, CSIRO Marine Research
LOICZ Scientific Steering Committee	Prof N Harvey, Department of Geographical and Environmental Studies, University of Adelaide
PAGES	
Antarctic Ice Margin Evolution (ANTIME)	Dr I Goodwin, University of Newcastle
Land Use and Climate Impacts on Fluvial Systems (LUCIFS)	Prof R J Wasson, Centre for Resource and Environmental Studies, Australian National University
Pole-Equator-Pole Transect 2 (PEP 2)	Assoc Prof J Dodson, Department of Geography, University of Western Australia
Scientific Steering Committee	Dr P De Deckker, Faculty of Science, Australian National University
PAGES/CLIVAR Working Group	Dr M Gagan, Research School of Earth Sciences, Australian National University
START	
Bureau	Dr M J Manton, Bureau of Meteorology Research Centre
Climate Variability and Agriculture Productivity (CLIMAG)	Dr G Hammer, CSIRO Tropical Agriculture
Monitoring of Extreme Climate Events (MECE)	Dr N Nicholls, Bureau of Meteorology Research Centre

Oceania Regional Committee	Prof N Harvey, Department of Geographical and Environmental Studies, University of Adelaide
Southeast Asia Regional Committee for START (SARCS)	Dr G I Pearman, CSIRO Atmospheric Research
International Union of Geodesy and Geophysics (IUGG)	
IAMAS	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
Executive Committee	Dr R A Vincent, Department of Physics and Mathematical Physics, University of Adelaide
International Commission on Atmospheric and Global Pollution	Dr G Ayers, CSIRO Atmospheric Research
Committee on Nucleation and Atmospheric Aerosols	Dr J Gras, CSIRO Atmospheric Research
International Commission for Climate	Dr K McGuffie (Secretary), University of Technology Sydney
International Commission for Dynamic Meteorology	Dr P Baines, CSIRO Atmospheric Research
International Commission for Polar Meteorology	Dr I Allison, Antarctic CRC and Australian Antarctic Division
	Dr I Simmonds, University of Melbourne
	Dr M Pook, Antarctic CRC
International Radiation Commission	Prof M J Lynch (Secretary), School of Physical Sciences, Curtin University of Technology
	Prof G Paltridge, Antarctic CRC
	Dr J Le Marshall, Bureau of Meteorology Research Centre
International TOVS Working Group	Dr J Le Marshall, (Co-Chair) Bureau of Meteorology Research Centre

IAPSO	Dr I S F Jones, Ocean Technology, University of Sydney
Scientific Committee on Antarctic Research (SCAR)	Dr I Allison, (Permanent Delegate) Antarctic CRC and Australian Antarctic Division Prof D M Stoddart (Alternate Delegate), Australian Antarctic Division
Antarctic Stratigraphy Committee (ANTOSTRAT)	Dr P O'Brien, Antarctic CRC and Australian Geological Survey Organisation
Bird Biology Sub-Committee	Dr E J Woehler, Australian Antarctic Division
Group of Specialists on Global Change and the Antarctic (GLOCHANT)	Dr J Jacka, Australian Antarctic Division Dr I Allison, Antarctic CRC and Australian Antarctic Division Dr I Goodwin, University of Newcastle
Antarctic Sea-Ice Processes and Climate (ASPeCt)	Dr A Worby (Project scientist), Antarctic CRC and Australian Antarctic Division
Ice Sheet Mass Balancec (ISMASS)	Dr J Jacka, (Chair) Australian Antarctic Division
International TransAntarctic Science-Expedition (ITASE) (with IGBP/PAGES)	Dr I Goodwin (Co-chair) University of Newcastle
Joint Committee on Antarctic data Mangement (with COMNAP)	Dr L Belbin (Chair), Australian Antarctic Division
Working Group on Biology	Dr H J Marchant, Australian Antarctic Division
Working Group on Geodesy and Geographic	Mr J Manning, Australian Surveying and Land Information Group
Working Group on Geology	Assoc Prof C J L Wilson, School of Earth Sciences, University of Melbourne
Working Group on Glaciology	Dr J Jacka (Vice-Chair), Australian Antarctic Division
Working Group on Human Biology and Medicine	Dr D J Lugg, Australian Antarctic Division

Working Group on Physics and Chemistry of the Atmosphere	Mr H A Hutchinson (Secretary), Bureau of Meteorology
Working Group on Solar-Terrestrial and Astrophysical Research	Prof B J Fraser, Physics Department, University of Newcastle
Working Group on Solid-Earth Geophysics	Dr P E O'Brien, Australian Geological Survey Organisation
Scientific Committee on Problems of the Environment (SCOPE)	
Executive	Dr J Baker, ACT Commissioner for the Environment
Nitrogen Transport and Transportation Project	Dr J R Freney, (CoChair) CSIRO Plant Industry
Scientific Committee on Oceanic Research (SCOR)	
Executive	Dr I S F Jones, Ocean Technology, University of Sydney
Acoustic Thermometry of Ocean Climates	Dr A Forbes (Chair), CSIRO Marine Research
Committee on Future Ocean Research in Earth System Science (with IGBP)	Dr B Opdyke, Faculty of Science, Australian National University
IAnZone (International Antarctic Zone Program)	Dr V Lytle, Antarctic CRC and Australian Antarctic Division
International Committee	Dr J Parslow, CSIRO Marine Research
Scientific Steering Committee for Global Ecology and Oceanography of Harmful Algal Blooms	Dr S Blackburn, CSIRO Marine Research
Scientific Steering Committee for Joint Global Ocean Flux Study	Dr B Tilbrook, CSIRO Marine Research
Working Group on Biogeochemistry of Iron in Seawater	Dr D Waite, School of Civil and Environmental Engineering, University of New South Wales
Working Group on Coral Reef Responses to Global Change	Dr T J Done, Australian Institute of Marine Science Dr B Opdyke, Faculty of Science, Australian National University

	Dr D Yellowlees, James Cook University
	Dr A B Pittock, CSIRO Atmospheric Research
Working Group on Coupling of Winds, Waves and currents in Coastal Models	Prof M Banner, School of Mathematics, University of New South Wales
	Dr P Craig, CSIRO Marine Research
Working Group on Double Diffusion	Dr T McDougall, CSIRO Marine Research
Working Group on the Evolution of the Asian Monsoon in Marine Records: Comparison Between Indian and East Asian Subsystems	Prof A P Kershaw, School of Geography and Environmental Sciences, Monash University
Working Group on Improved Global Bathymetry	Dr C Johnston, Australian Geological Survey Organisation
Working Group on the Intercomparison and Validation of Ocean-Atmosphere Energy Flux Fields	Dr E F Bradley, CSIRO Land and Water
Working Group on the Influence of Sea State on the on the Atmospheric Drag Coefficient	Dr I S F Jones, Ocean Technology, University of Sydney
	Dr E F Bradley, CSIRO Land and Water
Working Group on Magnitude of Submarine Groundwater Discharge and its Influence on Coastal Oceanographic Processes	Dr G Jacobsen, Australian Nuclear Science and Technology Organisation
Working Group on Quantitative Ecosystem Indicators for Fisheries Management (with IOC)	Dr S J Hall, Flinders University
	Dr K Sainsbury, CSIRO Marine Research
	Dr T Smith, CSIRO Marine Research
Working Group on the Role of Wave Breaking in Upper Ocean Dynamics	Prof M Banner (Chair), School of Mathematics, University of New South Wales
Working group on Sediment Trap and ^{234}Th methods for Carbon Export Flux Determination	Dr T Trull, Antarctic CRC
Working Group on Synthesis of Decadal to Millennial Climate Research of the last 80Ky	Prof J Chappell, Research School of Earth Sciences, Australian National University

Working Group on Transport and Reaction in
Permeable Marine Sediments

Dr P Nielson, University of
Queensland

Dr I Webster, CSIRO Land and
Water

SCOR/IMAGES (International Marine Past Global Changes Study)

Southern Ocean Working Group

Dr W Howard, Antarctic CRC

IEOSM

IEOS ASTER Science Team

Dr T Cudahy, CSIRO
Exploration and Mining

IEOS Inter-disciplinary Investigations

Dr I Barton (Principal
Investigator), CSIRO Marine
Research

IEOS MODIS Science Team

Dr J Parslow, CSIRO Marine
Research

Dr I Barton, CSIRO Marine
Research

JOINT (WMO/IOC) TECHNICAL COMMISSION FOR OCEANOGRAPHY AND MARINE METEOROLGY (JCOMM)

Management Committee

Mr P Parker, Bureau of
Meteorology

Dr N Smith, Bureau of
Meteorology Research Centre

Services Programme Area

Coordination Group

Mr P Parker (Chair and
Services Coordinator), Bureau
of Meteorology

Expert Team Wind Waves and Storm Surges

Mr G Warren, Bureau of
Meteorology

Observations Programme Area

Coordination Group

Mr R Bailey, CSIRO Marine
Research

Mr G Brough, Bureau of
Meteorology

Ships Observation Team

Mr R Bailey (Chair), CSIRO
Marine Research

Data Buoy Cooperation Panel

Mr G Brough (Chair), Bureau
of Meteorology

Data Management Programme Area

Coordination Group

Mr B Sumner, Bureau of
Meteorology

Expert Team on Data Management Practices

Dr K Finney, CSIRO Marine
ResearchJCOMM/International Oceanographic and Data Exchange
(IODE)

Global Temperature Salinity Profile Programme

Mr R Bailey, CSIRO Marine
Research**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION OF USA (NASA)**

Advanced Infrared Sounder (AIRS) Science Team

Dr J Le Marshall
(Interdisciplinary Principal
Investigator), Bureau of
Meteorology Research Centre

Earth Observing System (EOS) Program

Dr J Le Marshall, Bureau of
Meteorology Research Centre

Jason-1 Satellite Mission

Dr J Church, CSIRO
Marine ResearchMeasurement of Pollution in The Troposphere
(MOPITT) CI of the FTIR Validation TeamAssoc Prof D Griffith,
Department of Chemistry,
University of Wollongong

ENVISAT CI of the FTIR Validation Team

Assoc Prof D Griffith,
Department of Chemistry,
University of WollongongDr A Meier, Department of
Chemistry, University of
Wollongong

Payload Panel

Dr J Le Marshall, Bureau of
Meteorology Research CentreNASA/CNES TOPEX/POSEIDON Extended
Satellite MissionDr J Church (Principal
Investigator), CSIRO Marine
Research and Antarctic CRC

Dr N Bindoff, Antarctic CRC

Dr R Coleman, Antarctic CRC

NASA-MODIS Science Team

Dr I Barton, CSIRO Marine
ResearchNASA/NASDA Tropical Rainfall Measuring
Mission (TRMM) Science TeamDr T Keenan, Bureau of
Meteorology Research Centre

TOPEX/JASON Science Working Group

Dr D Burrage, Australian
Institute of Marine Science

NASA/WMO/NOAA Network for the Detection of
Stratospheric Change (NDSC)

Steering Committee

Assoc Prof D Griffith,
Department of Chemistry,
University of Wollongong

NATIONAL SPACE DEVELOPMENT AGENCY (NASDA) JAPAN

GLI Science Team

Dr I Barton, CSIRO Marine
Research

WORLD CLIMATE RESEARCH PROGRAMME (WCRP)

ACSYS/CLiC

Scientific Steering Group

Dr I Allison (Vice-Chair),
Antarctic CRC and Australian
Antarctic Division

International Antarctic Ice Thickness Research

Dr I Allison, Antarctic CRC
and Australian Antarctic
Division

International Programme for Antarctic Buoys

Dr I Allison (Coordinator),
Antarctic CRC and Australian
Antarctic Division

CLIVAR

Scientific Steering Group

Dr I Simmonds, School of Earth
Sciences, University of
Melbourne

Asian/ Australian Monsoon Panel

Dr S Godfrey, CSIRO
Marine Research

Dr N Nicholls, Bureau of
Meteorology Research Centre

DATA Task Team

Dr N Bindoff, Antarctic CRC

Ocean Observations Panel

Mr R Bailey, CSIRO Marine
Research

Mr G Brough, Bureau of
Meteorology

Dr N Smith, Bureau of
Meteorology Research Centre

Dr S Wijffels, CSIRO Marine
Research

Working Group on Climate Change Detection (with CCI)	Prof D Karoly, Monash University
Working Group on Coupled Modelling (WGCM with JSC)	Dr B McAvaney, Bureau of Meteorology Research Centre
Ocean Model Development Working Group (with WOCE)	Dr A Hirst, CSIRO Atmos- pheric Research
GEWEX	
Scientific Steering Committee	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
Continental Scale International Project Committee	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
International Aerosol Radiative Forcing Team	Dr M A Box, School of Physics, University of New South Wales Dr G P Box, School of Physics, University of New South Wales
Global Precipitation Climatology Project (GPCP) Science Team	Dr E Ebert, Bureau of Meteorology Research Centre
Working Group on Numerical Experimentation	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
Project for Intercomparison of Land Surface Parameterization Schemes (PILPS)	Prof A Henderson-Sellers, Australian Nuclear Science and Technology Organisation
SPARC	
Scientific Steering Group	Prof D Karoly, Monash University Dr R Vincent, Department of Physics and Mathematical Physics, University of Adelaide
Gravity Wave Processes and their Parameterization	Dr R A Vincent (co-Chair), Department of Physics and Mathematical Physics, University of Adelaide
WOCE	
Scientific Committee for the final WOCE Conference	Dr J Church, CSIRO Marine Research

Scientific Steering Group	Dr N Bindoff, Antarctic CRC
Data Products Committee	Mr R Bailey, CSIRO Marine Research
	Dr N Bindoff (Co-Chair), Antarctic CRC
	Dr N Smith, Bureau of Meteorology Research Centre
Intergovernmental WOCE Panel	Dr T McDougall, CSIRO Marine Research and Antarctic CRC
Upper Ocean Thermal Data Assembly Centre Committee	Mr R Bailey, CSIRO Marine Research
WCRP-ICSU-WMO Joint Scientific Committee (JSC)	Dr J Church, CSIRO Marine Research and Antarctic CRC
WCRP/IGBP Surface Ocean Lower Atmosphere Study (SOLAS)	
Australia-New Zealand Science Planning Group	Dr T Trull, Antarctic CRC
Working Group on Numerical Experimentation (JSC/WMO CAS)	Dr K Puri (Chair), Bureau of Meteorology Research Centre
Atmospheric Model Intercomparison Project (AMIP) Science Advisory Panel	Dr B McAvaney, Bureau of Meteorology Research Centre
Coupled Model Intercomparison Project (CMIP) Science Advisory Panel	Dr B McAvaney, Bureau of Meteorology Research Centre
WORLD METEOROLOGICAL ORGANISATION (WMO)	
Executive Council	Dr J W Zillman (President), Bureau of Meteorology
International Panel for the East Asian Monsoon	Dr J McBride, Bureau of Meteorology Research Centre
Working Group on Antarctic Meteorology	Mr H Hutchinson (Chair), Bureau of Meteorology
Commission for Atmospheric Sciences (CAS)	Dr D J Gauntlett, Bureau of Meteorology
	Dr Mike Manton, Bureau of Meteorology Research Centre
	Mr Peter Price, Bureau of Meteorology

Group of Rapporteurs on Short-range Weather Prediction Research	Dr G Mills, Bureau of Meteorology Research Centre
Research Initiative on the East Asian Monsoon	Dr K Puri, Bureau of Meteorology Research Centre
Steering Committee for Long-term Asian / African Monsoon Studies	Dr J McBride (Chair), Bureau Of Meteorology Research Centre
Working Group on Atmospheric Chemistry and Environmental Pollution	Dr G Ayers, CSIRO Atmospheric Research
Working Group on Tropical Cyclone Prediction	Dr N Davidson, Bureau of Meteorology Research Centre
Working Group on Tropical Meteorology Research	Dr J McBride, Bureau of Meteorology Research Centre
	Prof L Leslie, School of Mathematics, University of New South Wales
Committee for Comparison of Regional Model Experiments (COMPARE)	Prof L Leslie, School of Mathematics, University of New South Wales
Committee on Limited-Area Modelling in the Tropics	Prof L Leslie, School of Mathematics, University of New South Wales
Committee for Comparison of Regional Numerical Weather Prediction Models	Prof L Leslie, School of Mathematics, University of New South Wales
Commission for Agricultural Meteorology	Mr R Stringer, Bureau of Meteorology
Commission for Basic Systems	Dr G B Love (President), Bureau of Meteorology
Commission for Climatology	Ms M E Voice, Bureau of Meteorology
Commission for Instruments and Methods of Observation	Dr R Canterford (Vice President), Bureau of Meteorology
Commission for Hydrology	Mr B Stewart (Vice President), Bureau of Meteorology