

EDUCATION, SCIENCE AND TRAINING

SENATE LEGISLATION COMMITTEE - QUESTIONS ON NOTICE 2003-2004 ADDITIONAL ESTIMATES HEARING

Outcome: 3

Output Group: 3.2 – Assistance for science collaboration and innovation

DEST Question No. E862_04

Senator Carr provided in writing.

Question:

Please name the partners associated with each [CRC] Programme [over the past year] and the level of Commonwealth funding provided to each programme?

Answer:

Cooperative Research Centres core participants and funding

Attachment A provides a listing of Cooperative Research Centres (CRCs) funded in the 2002-03 financial year.

The partners listed are the core participants that are signatories to the Commonwealth Agreement.

Commonwealth funding (GST exclusive) for the 2002-03 financial year is provided.

Agriculture and Rural Based Manufacturing

Australian Cotton CRC

Date Established: 1 July 1999

Core Participants

- Cotton Research and Development Corporation
- Cotton Seed Distributors Limited
- CSIRO
- New South Wales Department of Agriculture
- Northern Territory Department of Primary Industry and Fisheries
- Queensland Cotton Corporation Limited
- Queensland Department of Primary Industries
- Twynam Cotton Pty Limited
- University of New England
- University of Sydney
- Western Agricultural Industries
- Western Australia Department of Agriculture

Funding for 2002-03: \$2.1 million

CRC for Australian Sheep Industry

Date Established: 1 July 2001

Core Participants

- Australian Meat Processor Corporation Pty Ltd
- CSIRO
- New South Wales Department of Agriculture
- Queensland Department of Primary Industries
- University of New England
- Western Australia Department of Agriculture

Funding for 2002-03: \$3 million

CRC for Cattle and Beef Quality

Date Established: 1 July 1999

Core Participants

- CSIRO
- New South Wales Department of Agriculture
- Queensland Department of Primary Industries
- University of New England

Funding for 2002-03: \$2.2 million

CRC for Innovative Dairy Products

Date Established: 1 July 2001

Core Participants

- Australian Cooperative Foods t/as Dairy Farmers
- Australian Dairy Farmers Federation
- Bonlac Foods Ltd
- CSIRO
- Dairy Research and Development Corporation
- Genetics Australia
- Monash University
- Tatura Milk Industries
- University of Sydney

Funding for 2002-03: \$2.6 million

CRC for Molecular Plant Breeding**Date Established:** 1 July 1997**Core Participants**

- International Maize and Wheat Improvement Centre
- South Australian Research and Development Institute
- Southern Cross University
- University of Adelaide
- Victorian Department of Primary Industries

Funding for 2002-03: \$3.0**CRC for Sustainable Aquaculture of Finfish****Date Established:** 1 July 2001**Core Participants**

- CSIRO
- Fisheries Research and Development Corporation
- Flinders University
- Gibson's Limited
- Institute of Medical and Veterinary Science
- James Cook University
- New South Wales Fisheries
- Pisces Marine Aquaculture Pty Ltd
- Queensland Department of Primary Industries
- Silver Beach Aquaculture
- South Australian Research and Development Institute
- Tasmanian Salmonid Growers' Association
- Tassal Ltd
- Tuna Boat Owners Association of South Australia Incorporated
- University of Queensland
- University of Tasmania
- University of Technology Sydney
- Western Australia Department of Fisheries

Funding for 2002-03: \$2.6 million**CRC for Sustainable Production Forestry****Date Established:** 1 July 1997**Core Participants**

- Australian Plantation Timber Ltd
- CSIRO
- Forestry Tasmania
- Grand Ridge Plantations Pty Ltd
- Griffith University
- Gunns Limited
- Norske Skog Paper Mills (Australia) Ltd
- Queensland Department of Primary Industries
- Southern Cross University
- Timbercorp Limited
- University of Tasmania
- WACAP Treefarms Pty Ltd

Funding for 2002-03: \$2.4 million

CRC for Sustainable Rice Production**Date Established:** 1 July 1997**Core Participants**

- Charles Sturt University
- CSIRO
- New South Wales Department of Agriculture
- New South Wales Department of Infrastructure, Planning & Natural Resources
- Ricegrowers' Cooperative Ltd
- Rural Industry Research and Development Corporation
- University of Sydney

Funding for 2002-03: \$2.4 million**CRC for Sustainable Sugar Production****Date Established:** 1 July 1995**Core Participants:**

- Australian Canegrowers' Council Ltd
- Bundaberg Sugar Ltd
- Bureau of Sugar Experiment Stations
- CSIRO
- CSR Ltd
- James Cook University
- Mackay Sugar Cooperative Association Ltd
- New South Wales Sugar Milling Cooperative Ltd
- Queensland Department of Natural Resources and Mines
- Sugar North Ltd
- Sugar Research and Development Corporation

Funding for 2002-03: \$1.5 million**CRC for Tropical Plant Protection****Date Established:** 1 July 1999**Core Participants**

- Australian National University
- Australian Quarantine and Inspection Service
- Bureau of Sugar Experiment Stations
- Charles Darwin University
- CSIRO
- Department of Agriculture, Fisheries and Forestry
- Northern Territory Department of Primary Industry and Fisheries
- Queensland Department of Primary Industries
- RhoBio
- University of Queensland

Funding for 2002-03: \$2.3 million**CRC for Value Added Wheat****Date Established:** 1 July 2001**Core Participants**

- Arnotts Biscuits Ltd
- C-Qentec Diagnostics Pty Ltd
- Goodman Fielder Limited
- GrainCorp Operations Ltd
- Grains Research and Development Corporation
- New South Wales Department of Agriculture
- University of Sydney
- Western Australia Department of Agriculture

Funding for 2002-03: \$3 million

CRC for Viticulture**Date Established:** 1 July 1999**Core Participants**

- Australian Dried Fruits Association
- Australian Wine Research Institute
- CSIRO
- Dried Fruits Research and Development Council
- Grape and Wine Research and Development Corporation
- National Wine and Grape Industry Centre
- South Australian Research and Development Institute
- University of Adelaide
- Victorian Department of Primary Industries
- Wine Industry National Education Training and Advisory Council Inc
- Winegrape Growers' Council of Australia Inc
- Winemakers' Federation of Australia

Funding for 2002-03: \$2 million**Environment****CRC for Antarctica and the Southern Ocean****Date Established:** 1 July 1997**Core Participants**

- Australian Antarctic Division
- Bureau of Meteorology
- CSIRO
- Geoscience Australia
- University of Tasmania

Funding for 2002-03: \$1 million**CRC for Australian Weed Management****Date Established:** 1 July 2001**Core Participants**

- CSIRO
- Grains Research and Development Corporation
- New South Wales Department of Agriculture
- Queensland Department of Natural Resources and Mines
- University of Adelaide
- Victorian Department of Primary Industries
- Western Australia Department of Agriculture

Funding for 2002-03: \$3.2 million**CRC for Catchment Hydrology****Date Established:** 1 July 1999**Core Participants**

- Brisbane City Council
- Bureau of Meteorology
- CSIRO
- Goulburn-Murray Rural Water Authority
- Griffith University
- Melbourne Water
- Monash University
- Murray-Darling Basin Commission
- New South Wales Department of Land and Water Conservation
- Queensland Department of Natural Resources and Mines
- Southern Rural Water
- University of Melbourne
- Victorian Department of Sustainability and Environment
- Wimmera Mallee Rural Water Authority

Funding for 2002-03: \$2.6 million

CRC for Coastal Zone, Estuary and Waterway Management**Date Established:** 1 July 1999**Core Participants**

- Brisbane City Council
- Central Queensland University
- CSIRO
- Curtin University of Technology
- Defence Science and Technology Organisation
- Geoscience Australia
- Griffith University
- James Cook University
- Queensland Department of Natural Resources and Mines
- Queensland Department of Primary Industries
- Queensland Environmental Protection Agency
- University of Queensland
- University of Western Australia

Funding for 2002-03: \$2.3 million**CRC for Conservation and Management of Marsupials****Date Established:** 1 July 1995**Core Participants:**

- Landcare Research New Zealand Limited
- Macquarie University
- Perth Zoo
- Queensland Department of Primary Industries
- University of Newcastle

Funding for 2002-03: \$1.5 million**CRC for Freshwater Ecology****Date Established:** 1 July 1999**Core Participants**

- ACTEW Corporation Ltd
- CSIRO
- Environment ACT (ACT Government)
- EPA (New South Wales)
- EPA (Victoria)
- Goulburn-Murray Rural Water Authority
- Griffith University
- La Trobe University
- Lower Murray Water
- Melbourne Water
- Monash University
- Murray-Darling Basin Commission
- New South Wales Department of Infrastructure Planning and Natural Resources
- Queensland Department of Natural Resources and Mines
- Sunraysia Rural Water
- Sydney Catchment Authority
- University of Adelaide
- University of Canberra
- Victorian Department of Sustainability and Environment

Funding for 2002-03: \$2.1 million

CRC for Greenhouse Accounting**Date Established:** 1 July 1999**Core Participants:**

- Australian Greenhouse Office
- Australian National University
- CSIRO
- Department of Agriculture, Fisheries and Forestry
- New South Wales State Forests
- Queensland Department of Natural Resources and Mines
- Queensland Department of Primary Industries
- University of Melbourne
- Victorian Department of Sustainability and Environment
- Western Australia Department of Conservation and Land Management

Funding for 2002-03: \$2.4 million**CRC for Plant-based Management of Dryland Salinity****Date Established:** 1 July 2001**Core Participants:**

- Charles Sturt University
- CSIRO
- New South Wales Department of Agriculture
- South Australian Department of Primary Industries and Resources
- University of Adelaide
- University of Western Australia
- Victorian Department of Sustainability and Environment
- Western Australia Department of Agriculture
- Western Australia Department of Conservation and Land Management

Funding for 2002-03: \$2.5 million**CRC for Sustainable Tourism****Date Established:** 1 July 1997**Core Participants**

- Australian Federation of Travel Agents
- Australian National University
- Charles Darwin University
- Charles Sturt University
- Griffith University
- James Cook University
- La Trobe University
- Murdoch University
- Southern Cross University
- Tourism Council Australia Limited
- University of Canberra
- University of New South Wales
- University of Queensland
- University of Tasmania

Funding for 2002-03: \$2.4million**CRC for the Biological Control of Pest Animals****Date Established:** 1 July 1999**Core Participants**

- Australian National University
- CSIRO
- University of Adelaide
- University of Sydney
- University of Western Australia
- Western Australia Agriculture Protection Board
- Western Australia Department of Conservation and Land Management

Funding for 2002-03: \$2 million

CRC for The Great Barrier Reef World Heritage Area**Date Established:** 1 July 1999**Core Participants:**

- Association of Marine Park Tourism Operators Ltd
- Australian Fisheries Management Authority
- Australian Institute of Marine Science
- CSIRO
- Geoscience Australia
- Great Barrier Reef Marine Park Authority
- Great Barrier Reef Research Foundation
- James Cook University
- National Oceans Office
- Queensland Department of Primary Industries
- Queensland Seafood Industry Association Inc (QSIA)
- Sunfish Queensland
- Torres Strait Regional Authority

Funding for 2002-03: \$2.5 million**CRC for Tropical Rainforest Ecology and Management****Date Established:** 1 July 1999**Core Participants**

- Aboriginal and Torres Strait Islander Commission
- Australian Institute of Marine Science
- CSIRO
- Great Barrier Reef Marine Park Authority
- Griffith University
- James Cook University
- Queensland Department of Natural Resources and Mines
- Queensland Department of Primary Industries
- Queensland Environmental Protection Agency
- Tourism Council Australia Limited
- Tropical Tourism North Queensland
- University of Queensland
- Wet Tropics Management Authority

Funding for 2002-03: \$ 2.6 million**CRC for Tropical Savannas Management****Date Established:** 1 July 2001**Core Participants:**

- Charles Darwin University
- CSIRO
- Director of National Parks
- James Cook University
- Meat and Livestock Australia
- North Australian Indigenous Land and Sea Management Alliance
- Northern Territory Departments of Lands, Planning and Environment
- Queensland Department of Primary Industries
- University of Queensland
- Western Australia Department of Agriculture
- Western Australia Department of Conservation and Land Management

Funding for 2002-03: \$3 million

CRC for Waste Management and Pollution Control

Date Established: 1 July 1997

Core Participants

- Australian Defence Industries Ltd
- Australian Nuclear Science and Technology Organisation
- Australian Water Services Pty Ltd
- BHP Billiton Ltd
- Brambles (Cleanaway)
- CSIRO
- EPA (New South Wales)
- New South Wales Department of Public Works & Services
- New South Wales Waste Service
- New South Wales Water Administration Ministerial Corp
- Orica Australia Pty Ltd
- Sydney Water Corporation
- University of New South Wales
- University of Queensland
- University of Western Sydney
- USF Filtration

Funding for 2002-03: \$0.5 million

CRC for Water Quality and Treatment

Date Established: 1 July 2001

Core Participants

- ACTEW Corporation Ltd
- Australian Water Quality Centre
- Australian Water Services Pty Ltd
- Brisbane City Council
- Centre for Appropriate Technology Incorporated
- CSIRO
- Curtin University of Technology
- Egis Consulting Australia Pty Ltd
- Griffith University
- Melbourne Water Corporation
- Monash University
- Orica Australia Pty Ltd
- Power & Water Authority (Northern Territory)
- Queensland Environmental Protection Agency
- Queensland Health Pathology & Scientific Services
- Royal Melbourne Institute of Technology
- South Australian Water Corporation
- South East Water Ltd
- Sydney Catchment Authority
- Sydney Water Corporation
- United Water International Pty Ltd
- University of Adelaide
- University of New South Wales
- University of Queensland
- University of South Australia
- Victorian Department of Human Services
- Water Corporation (Western Australia)
- Water Services Association of Australia
- Yarra Valley Water Ltd

Funding for 2002-03: \$2.5 million

Information and Communication Technology

Australian Photonics CRC

Date Established: 1 July 1999

Core Participants

- ABB Transmission and Distribution Limited
- Allen & Buckridge Pty Ltd
- AOFR Pty Ltd
- Australian Electronics and Electrical Manufacturers Association
- Australian National University
- Australian Photonics Pty Ltd
- Bishop Innovation Ltd
- CEOS
- Coherent Scientific Pty Ltd
- Department of Defence
- Ericsson Australia Pty Ltd
- Filtronic Components Pty Ltd
- Future Fibre Technologies Pty Ltd
- JDS Uniphase Pty Ltd
- Macquarie Photonics Pty Ltd
- Nextrom Oy
- Photonic Technologies Pty Ltd
- Redfern Fibres Pty Ltd
- Redfern Photonics Pty Ltd
- Royal Melbourne Institute of Technology
- Southern Sydney Institute, TAFE
- Telstra Corporation Limited
- Tenix Systems Pty Ltd
- TransGrid
- University of Melbourne
- University of New South Wales
- University of Sydney
- Virtual Photonics Incorporated

Funding for 2002-03: \$6.1 million

Australian Telecommunications CRC

Date Established: 1 July 1999

Core Participants

- Agilent Technologies Australia Pty Ltd
- CSIRO
- Curtin University of Technology
- Ericsson Australia Pty Ltd
- Monash University
- Open Telecommunications Limited
- Radio Frequency Systems Pty Ltd
- Royal Melbourne Institute of Technology
- Strategic Industry Research Foundation Limited
- University of Western Australia
- Victorian University of Technology
- Vodafone

Funding for 2002-03: \$2.3 million

CRC for Enterprise Distributed Systems Technology**Date Established:** 1 July 1999**Core Participants**

- Boeing Australia
- Centre for Information Technology and Communications
- CiTR
- CSIRO
- Defence Science and Technology Organisation
- Department of Defence
- Dialog Pty Ltd
- DSTC Pty Ltd
- Griffith University
- Mincom Pty Ltd
- Monash University
- Queensland Department of Innovation and Information Economy
- Queensland University of Technology
- RSA Data Security Australia Pty Ltd
- South Australian Department of Premier and Cabinet
- Sun Microsystems Australia Pty Ltd
- Telstra Corporation Limited
- University of Queensland
- University of South Australia
- University of Technology Sydney

Funding for 2002-03: \$3.3 million**CRC for Satellite Systems****Date Established:** 1 January 1998**Core Participants**

- ARIES Consortium
- Auspace Ltd
- CSIRO
- Queensland University of Technology
- University of Newcastle
- University of South Australia
- University of Technology Sydney
- VIPAC Engineers and Scientists Pty Ltd

Funding for 2002-03: \$0.7 million**CRC for Sensor Signal and Information Processing****Date Established:** 1 July 1999**Core Participants**

- CEA Technologies Pty Ltd
- Compaq Computer Australia Pty Ltd
- Defence Science and Technology Organisation
- Flinders University
- RLM Systems Pty Ltd
- Telstra Corporation Limited
- University of Adelaide
- University of Melbourne
- University of Queensland
- University of South Australia

Funding for 2002-03: \$2.1 million

CRC for Smart Internet Technology**Date Established:** 1 July 2001**Core Participants**

- Adacel Technologies Limited
- Australian National University
- Hewlett-Packard Australia Limited
- Motorola Australia Pty Limited
- New South Wales Government Telecommunications Authority
- Telstra Corporation Limited
- University of New South Wales
- University of Sydney
- University of Wollongong

Funding for 2002-03: \$3.5 million**CRC for Technology Enabled Capital Markets****Date Established:** 1 July 2001**Core Participants**

- ABN Amro
- ac3
- Australian Financial Markets Association
- Computershare Limited
- Credit Suisse First Boston
- Macquarie University
- Securities Industry Research Centre of Asia Pacific
- SMARTS Pty Ltd
- University of Melbourne
- University of New South Wales
- University of Sydney
- University of Technology Sydney

Funding for 2002-03: \$2.3 million**Manufacturing Technology****CRC for Advanced Composite Structures****Date Established:** 1 July 1997**Core Participants**

- A Goninan and Company Ltd
- ADI Ltd
- Aerospace Technologies of Australia Ltd
- Defence Science and Technology Organisation
- Hawker de Havilland Ltd
- Monash University
- Royal Melbourne Institute of Technology
- University of New South Wales
- University of Newcastle
- University of Sydney

Funding for 2002-03: \$3.2 million dollars**CRC for Bioproducts****Date Established:** 1 July 1999**Core Participants**

- Food Science Australia Ltd
- Tridan Ltd - Albright & Wilson (Aust) Limited Partnership
- University of Melbourne

Funding for 2002-03: \$2.2 million

CRC for CAST Metals Manufacturing**Date Established:** 1 July 1999**Core Participants**

- Australian Die Casting Association
- Australian Magnesium Corporation
- Comalco Aluminium
- CSIRO
- Deakin University
- Ferra Engineering
- Ford Australia
- Icelandic Magnesium Corporation
- ION Automotive (Aregent Metals Technology Limited)
- London & Scandinavian Metallurgical
- Monash University
- Nissan Casting Australia
- o.d.t. Engineering Pty Ltd
- Queensland Department of State Development
- Queensland Manufacturing Institute
- Swinburne University of Technology
- University of Queensland
- Victorian Department of State Development

Funding for 2002-03: \$3.4 million**CRC for Construction Innovation****Date Established:** 1 July 2001**Core Participants**

- Australian Building Codes Board
- Bovis Lend Lease Pty Ltd
- Building Control Commission
- CSIRO
- John Holland Group Pty Ltd
- Kennards Hire Pty Ltd
- Ove Arup Consult Pty Ltd
- Queensland Department of Main Roads
- Queensland Department of Public Works
- Queensland Department of State Development
- Queensland University of Technology
- Rider Hunt Sydney Pty Ltd
- Royal Melbourne Institute of Technology
- Springfield Land Corporation Pty Ltd
- University of Newcastle
- University of Sydney
- University of Western Sydney

Funding for 2002-03: \$2 million**CRC for Functional Communication Surfaces****Date Established:** 1 July 2001**Core Participants**

- AMCOR Packaging (Australia) Pty Ltd
- Australian National University
- Carter Holt Harvey Tissue Pty Ltd
- CSIRO
- Monash University
- Norske Skog Paper Mills (Australia) Ltd
- Note Printing Australia Limited
- PaperlinX Pty Ltd

Funding for 2002-03: \$2.4 million

CRC for Intelligent Manufacturing Systems and Technologies**Date Established:** 1 July 1999**Core Participants**

- Anca Pty Ltd
- CSIRO
- Dynek Australia Pty Ltd
- Godfrey Office Equipment
- Hawker de Havilland Ltd
- HPM Industries Pty Ltd
- Laser Lab International Pty Ltd
- Limestone Crest Pty Ltd
- Mitsubishi Motors Australia Pty Ltd
- Moldflow Pty Ltd
- Philmac Pty Ltd
- Royal Melbourne Institute of Technology
- Sola International Holdings Ltd
- Swinburne University of Technology
- Technical Components Pty Ltd
- University of New South Wales
- University of South Australia
- University of Wollongong

Funding for 2002-03: \$2 million**CRC for MicroTechnology****Date Established:** 1 July 1999**Core Participants**

- Alcatel Australia Ltd
- Australian Institute of Sport
- Bioproperties (Australia) Pty Ltd
- Cochlear Ltd
- CSIRO
- Department of Defence
- Griffith University
- Motorola Australia Pty Limited
- Queensland Department of State Development
- Robert Bosch Australia Pty Ltd
- Royal Melbourne Institute of Technology
- Strategic Industry Research Foundation Limited
- Swinburne University of Technology
- Vetbiosearch Pty Ltd

Funding for 2002-03: \$2.3 million

CRC for Polymers**Date Established:** 1 July 1999**Core Participants**

- Australian Cables Pty Ltd
- Australian Nuclear Science and Technology Organisation
- Basell Pty Ltd
- BTR Nylex Ltd
- Ciba Speciality Chemicals Inc
- CSIRO
- Department of Innovation, Industry and Regional Development
- Moldflow Pty Ltd
- Monash University
- Qenos Pty Ltd
- Royal Melbourne Institute of Technology
- Sola International Holdings Ltd
- University of New South Wales
- University of Sydney
- Visy Plastics Pty Ltd
- VisyPak

Funding for 2002-03: \$2.2 million**CRC for Railway Engineering and Technologies****Date Established:** 1 July 2001**Core Participants**

- Australian Rail Track Corporation Ltd
- Central Queensland University
- Freight Australia
- Monash University
- Pacific National
- Queensland Rail
- Queensland University of Technology
- Rail Infrastructure Corporation
- TMG International Pty Ltd
- University of Queensland
- University of South Australia
- University of Wollongong

Funding for 2002-03: \$1.9 million**CRC for Welded Structures****Date Established:** 1 July 1999**Core Participants**

- Agility Teambuilding Pty Ltd
- Australian Nuclear Science and Technology Organisation
- Australian Pipeline Industry Association
- Broken Hill Proprietary Company Limited
- Comweld Group Pty Limited
- CSIRO
- Defence Science and Technology Organisation
- Pacific Power
- Tubemakers of Australia Pty Ltd
- TWI
- University of Adelaide
- University of Sydney
- University of Western Australia
- University of Wollongong
- Welding Technology Institute of Australia
- Woodside Energy Ltd

Funding for 2002-03: \$1.6 million

CRC for Wood Innovations**Establishment Date:** 1 July 2001**Core Participants**

- Auspine Limited
- Australasian Furnishing Research and Development Institute Limited
- Carter Holt Harvey CRC Innovative Wood Manufacturing Holdings Pty Limited
- CSIRO
- Forest and Wood Products Research and Development Corporation
- Forest Products Commission
- Kempsey Timbers Pty Limited
- Microwood Australia Pty Ltd
- Queensland Department of Primary Industries
- Swinburne University of Technology
- University of Melbourne

Funding for 2002-03: \$3 million**Medical Science and Technology****CRC for Aboriginal and Tropical Health****Date Established:** 1 July 1997**Core Participants**

- Central Australian Aboriginal Congress
- Charles Darwin University
- Danila Dilba Medical Service
- Flinders University
- Menzies School of Health Research
- Northern Territory Department of Health and Community Services

Funding for 2002-03: \$2.3 million**CRC for Asthma****Date Established:** 1 October 1999**Core Participants**

- 3M Pharmaceuticals Pty Ltd
- AstraZeneca Australia Pty Ltd
- Aventis Pharma Ltd
- Garvan Institute of Medical Research
- GlaxoSmithKline Australia
- Monash University
- New South Wales Department of Health
- University of Sydney
- University of Western Australia
- Woolcock Institute of Medical Research

Funding for 2002-03: \$1.8 million**CRC for Cellular Growth Factors****Date Established:** 1 July 1997**Core Participants**

- AMRAD Operations Pty Ltd
- Biomolecular Research Institute Ltd
- CSIRO
- Ludwig Institute for Cancer Research
- Walter and Eliza Hall Institute of Medical Research

Funding for 2002-03: \$2.5 million

CRC for Chronic Inflammatory Diseases**Date Established:** 1 July 2001**Core Participants**

- AstraZeneca Australia Pty Ltd
- Monash University
- University of Melbourne
- University of Queensland

Funding for 2002-03: \$2.5 million**CRC for Cochlear Implant and Hearing Aid Innovation****Date Established:** 1 July 1999**Core Participants**

- Australian Hearing Services
- Bionic Ear Institute
- Cochlear Ltd
- University of Melbourne

Funding for 2002-03: \$2.1 million**CRC for Diagnostics****Date Established:** 1 July 2001**Core Participants:**

- Child Health Research Institute Inc
- CSIRO
- La Trobe University
- Panbio Ltd
- Queensland Medical Laboratory
- Queensland University of Technology

Funding for 2002-03: \$2.6 million**CRC for Discovery of Genes for Common Human Diseases****Date Established:** 1 July 1997**Core Participants**

- Cerylid Bioscience
- Institute for Molecular Bioscience
- Murdoch Institute (Victoria)
- Queensland Institute of Medical Research
- Walter and Eliza Hall Institute of Medical Research

Funding for 2002-03: \$1.9 million**CRC for Eye Research and Technology****Date Established:** 1 July 1997**Core Participants**

- Bausch and Lomb (Aust.) Pty Ltd
- Ciba Vision Australia Pty Ltd
- CSIRO
- National Vision Research Institute
- Optometric Vision Research Foundation
- Queensland University of Technology
- University of New South Wales
- University of Western Sydney

Funding for 2002-03: \$2.1 million

CRC for Vaccine Technology**Date Established:** 1 July 1999**Core Participants**

- Australian Red Cross Blood Service
- CSIRO
- CSL Limited
- La Trobe University
- Monash University
- Queensland Institute of Medical Research
- University of Melbourne
- Walter and Eliza Hall Institute of Medical Research

Funding for 2002-03: \$2 million**Mining and Energy****AJ Parker CRC for Hydrometallurgy****Date Established:** 1 July 1999**Core Participants**

- Alcan International
- Alcoa of Australia Ltd
- Anglo Gold
- Australian Mineral Industries Research Association
- BHP Billiton Innovation Pty Ltd
- Billiton Aluminium Australia
- Comalco Aluminium Ltd
- CSIRO
- Curtin University of Technology
- Murdoch University
- Newmont Australia Ltd
- Pasminco Limited
- Queensland Alumina Ltd
- Resolute Ltd
- Rio Tinto Ltd
- University of Queensland
- Western Australia Department of Industry and Resources
- WMC Resources Ltd

Funding for 2002-03: \$3.3 million

Australian CRC for Renewable Energy**Date Established:** 1 July 1996**Core Participants**

- Anutech Pty Ltd
- Australian Inland Energy
- Australian National University
- Centre for Appropriate Technology Inc
- Charles Darwin University
- Curtin University of Technology
- Energy Australia
- Industrial Research Ltd (NZ)
- Integrated Technical Services Pty Ltd
- Murdoch University
- Power and Water Authority
- Powercorp Pty Ltd
- PowerSearch Ltd
- Queensland University of Technology
- Sustainable Technologies Australia Pty Ltd
- University of New South Wales
- University of Newcastle
- University of Technology Sydney
- Western Power Corporation
- Westwind Turbines Ltd
- ZBB Technologies Ltd

Funding for 2002-03: \$1.6 million**Australian Petroleum CRC****Date Established:** 1 July 1997**Core Participants:**

- Australian Petroleum Production and Exploration Association
- CSIRO
- Curtin University of Technology
- Geoscience Australia
- University of Adelaide
- University of New South Wales

Funding for 2002-03: \$2.1 million**CRC for Clean Power from Lignite****Date Established:** 1 July 1999**Core Participants**

- Alstom Power Limited
- CSIRO
- Edison Mission Energy Australia
- Geo-Eng Australia Pty Ltd
- Herman Research Pty Ltd
- International Power Hazelwood
- Loy Yang Power Ltd
- Monash University
- NRG Flinders
- Strategic Industry Research Foundation Limited
- Swinburne University of Technology
- University of Adelaide
- Victorian Department of State Development
- Yallourn Energy Ltd

Funding for 2002-03: \$1.9 million

CRC for Coal in Sustainable Development**Date Established:** 1 July 2001**Core Participants:**

- Australian Coal Research Limited
- BHP Billiton Innovation Pty Ltd
- CNA Resources Limited
- CS Energy Limited
- CSIRO
- Curtin University of Technology
- Delta Electricity
- Griffin Coal Mining Company Pty Ltd
- Macquarie University
- Queensland Department of Natural Resources and Mines
- Rio Tinto Ltd
- Tarong Energy Corporation Ltd
- University of New South Wales
- University of Newcastle
- University of Queensland
- Wesfarmers Premier Coal Limited
- Western Power Corporation
- Xstrata Coal Australia Pty Ltd

Funding for 2002-03: \$2.6 million**CRC for Landscape Environments and Mineral Exploration****Date Established:** 1 July 2001**Core Participants:**

- Australian National University
- Bureau of Rural Science
- CSIRO
- Curtin University of Technology
- Geoscience Australia
- Minerals Council of Australia
- New South Wales Department of Minerals Resources
- South Australian Department of Primary Industries and Resources
- University of Adelaide
- University of Canberra

Funding for 2002-03: \$3.3 million**CRC for Mining Technology and Equipment****Date Established:** 1 July 1997**Core Participants**

- Anglo Coal Australia Pty Ltd
- BHP Australia Coal Pty Ltd
- CRA Ltd
- CSIRO
- Hamersley Iron Pty Ltd
- MTA
- Pasminco Limited
- University of Queensland
- University of Sydney
- Western Mining Corporation Resources Ltd

Funding for 2002-03: \$2.1 million

CRC for Predictive Mineral Discovery

Date Established: 1 July 2001

Core Participants

- Australian Mineral Industries Research Association
- CSIRO
- Geoscience Australia
- James Cook University
- La Trobe University
- Monash University
- University of Melbourne
- University of Western Australia

Funding for 2002-03: \$3 million