



Australian Government
**Department of Industry,
Innovation and Science**

Successful Group Missions funded under the Australia-China Science and Research Fund (ACSRF)

Group Missions (2011-2014)

Group Missions were intended as flexible mechanisms to allow relationships to extend beyond 'meet and greet' activities towards more complex undertakings related to research and its application.

For example, missions could be used for purposes such as negotiating and signing new Australia-China research facilitation agreements, sending teams to plan joint research-related programs with Chinese partners, or research/industry missions.

Group mission activities could include:

- Early and mid-career researcher exchange programs with Chinese partners
- Research-related workshops and symposia with Chinese partners
- Research-related visits and secondments of Australian researchers to China (including cross-disciplinary and cross-institutional missions)
- Research-industry missions to China.

Grant Type	Australian Eligible Research Organisation	Project title	Funding (GST excl.)
2011-12 Group Missions	NICTA	Effectively and efficiently building trustworthy systems	\$43 700
2011-12 Group Missions	The University of Sydney	Collaboration with Tsinghua University on electrostatic levitation and exploration of related industry opportunities	\$38 400
2011-12 Group Missions	The University of Sydney	Development of a collaborative relationship between the University of Sydney and Tsinghua University in the field of quantum science to enhance Australia's research and industrial partnerships	\$37 000
2011-12 Group Missions	University of Western Sydney	Partnership with Peking University Institute of Mental Health and Shanghai Mental Health Center on mitigating the mental health consequences of environmental disasters	\$45 000
2011-12 Group Missions	Macquarie University	Development of strategic links between Macquarie University, Beijing Language and Culture University and other project partners on language acquisition and childhood language disorders	\$13 455
2011-12 Group Missions	The University of Western Australia	Strengthening collaboration with Dalian University of Technology and Hohai University on geotechnical challenges in oil and gas extraction from shallow to deep waters and exploration of related industry opportunities	\$37 800
2011-12 Group Missions	The University of Western Australia	Strengthening collaboration with Sun Yat-sen University on novel chemical drug development against H. pylori infection	\$29 500
2011-12 Group Missions	University of Western Sydney	Strengthening Australia-China cooperation in research on plants for use in traditional Chinese medicine	\$20 000
2011-12 Group Missions	Macquarie University	Building strong university-industry partnerships between Australia and China in service and cloud computing and business process management	\$23 900
2011-12 Group Missions	University of the Sunshine Coast	Collaboration with the China Eucalypt Research Centre on disease resistance screening to protect trees from eucalyptus rust and other pathogens	\$28 010
2011-12 Group Missions	University of South Australia	Collaboration with Renmin University to advance rural Australia and China community enterprise development through connected infrastructure systems	\$44 400

2011-12 Group Missions	Southern Cross University	Collaboration with Beijing University of Technology in e-health research	\$45 000
2011-12 Group Missions	University of the Sunshine Coast	Collaboration with the Beijing Genomics Institute to strengthen genomics research capacity	\$45 000
2011-12 Group Missions	University of Newcastle	Collaboration to strengthen the research capabilities of the Australia-China Research Centre for Crop Improvement	\$40 000
2011-12 Group Missions	Southern Cross University	Collaboration with Tianjin University of Sport and partners to promote animal welfare and performance in the race horse industry	\$32 120
2011-12 Group Missions	Queensland University of Technology	Enhancing Science, Technology, Engineering and Mathematics [STEM] education through collaborative research partnerships in the Asia Pacific region	\$43 383
2011-12 Group Missions	University of Adelaide	Collaboration with Shandong University and others to build resilience to health impacts due to climate change/extreme heat among the elderly community	\$45 000
2011-12 Group Missions	University of Newcastle	Collaboration with Xiamen University on exploring chemical compounds using computer assisted mathematics, combinatorics and graph theory	\$35 000
2011-12 Group Missions	James Cook University	Strategic collaboration with the Institute of Soil and Water Conservation, Chinese Academy of Sciences and other collaborators on new models for flood forecasting and water management	\$45 000
2011-12 Group Missions	Royal Melbourne Institute of Technology	Collaboration with Beijing General Institute of Mining and Metallurgy on mineral processing technologies	\$45 000
2011-12 Group Missions	Griffith University	Collaboration with Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences in the area of biological mechanisms of soil carbon and nitrogen cycling	\$42 500
2011-12 Group Missions	Australian National University	Collaboration with Jiangnan University to establish a laboratory for research into advanced functional materials	\$40 000
2011-12 Group Missions	Griffith University	Collaboration with Sun Yat-sen University in the field of cancer stem cell research	\$44 700
2011-12 Group Missions	Swinburne University of Technology	Collaboration with the University of Science and Technology of China to develop smart interfaces	\$44 800

2011-12 Group Missions	Queensland University of Technology	Collaboration with Beijing Jiaotong University to build Australia-China research-industry collaboration in service and process innovation	\$45 000
2011-12 Group Missions	University of Technology, Sydney	Collaboration with Peking University in the field of requirements engineering for IT services	\$30 000
2011-12 Group Missions	Swinburne University of Technology	Collaboration with Tsinghua University and industrial partners to develop green photonics for a sustainable future	\$45 000
2011-12 Group Missions	Edith Cowan University	Collaboration with Tianjin Normal University on research methodologies relating to student exchanges	\$25 000
2011-12 Group Missions	Charles Sturt University	Bilateral collaboration with the University of Shanghai for Science and Technology in the field of forensic computing	\$11 100
2011-12 Group Missions	Charles Sturt University	Collaboration with Harbin Institute of Technology in the field of computer-enhanced surgical systems	\$38 000
2011-12 Group Missions	CSIRO	CSIRO science, innovation and trade group mission to the Chinese Academy of Sciences and other Chinese research and industry organisations	\$45 000
2011-12 Group Missions	CSIRO	Establishment of long term collaboration in ophthalmic biomaterials with Wenzhou Medical College to develop drug delivery methods and tissue-engineered constructs to treat ocular disease	\$27 500
2011-12 Group Missions	University of Southern Queensland	Collaboration with Nanjing University on research partnerships in climate science, agricultural systems and sustainable water resources	\$45 000
2011-12 Group Missions	University of Southern Queensland	Collaboration with Zhejiang University on future materials and composites	\$40 000
2012-13 Group Missions	University of Canberra	Collaboration with BGI-Shenzhen in the field of Genomics and Bioinformatics for Human Health and the Environment	\$37 800
2012-13 Group Missions	University of Melbourne	Collaboration with Donghua University to establish multilateral, cross-disciplinary, and cross-institutional polymer research cooperation	\$45 000
2012-13 Group Missions	University of Melbourne	Collaboration with North Western Polytechnical and South West Jiatong Universities in the field of information science to support agricultural systems	\$44 692

2012-13 Group Missions	University of Canberra	Collaboration with Hunan University in the field of intelligent data mining and information fusion	\$31 720
2012-13 Group Missions	Deakin University	Collaboration with Shanghai Jiao Tong University to promote best-practice and innovation in cross-cultural mental health research	\$20 585
2012-13 Group Missions	Rail CRC Ltd	Collaboration with the China Academy of Railway Sciences (CARS) in the field of rail research	\$37 136
2012-13 Group Missions	The University of Adelaide	Collaboration with the Center for Chinese Agricultural Policy, Chinese Academy of Sciences in the field of food security	\$38 400
2012-13 Group Missions	Monash University	Collaboration with Tsinghua University and three other Chinese universities in the area of cleaner fuels research and development	\$43 500
2012-13 Group Missions	University of South Australia	Collaboration with Shanghai Jiaotong University in the field of environment regulated self-organization of biomacromolecules	\$42 320
2012-13 Group Missions	Monash University	Collaboration with Tsinghua University in the field of technology relating to sustainable, alternative energy from the deep earth	\$39 300
2012-13 Group Missions	Victoria University	Collaboration with Harbin Institute of Technology in the field of renewable energy and fuel cell technologies	\$18 400
2012-13 Group Missions	Victoria University	Collaboration with the University of Science and Technology of China in the field of spatiotemporal identification of health events and complex event processing	\$44 621
2012-13 Group Missions	Flinders University	Collaboration with Hunan University on Supercomputing Computational Intelligence and Simulation	\$45 000
2012-13 Group Missions	The University of Adelaide	Collaboration with Peking University and Huazhong University of Science and Technology in the field of Nanophotonics to harness the power of nanoparticles using emerging photonic platforms	\$33 300
2012-13 Group Missions	Flinders University	Flinders University Group Mission to Strengthen Multi-Faceted Research Collaborations with Hunan University and Central South University, Changsa, China	\$45 000
2012-13 Group Missions	La Trobe University	Collaboration with Nankai University to promote the Early Identification of Autism Spectrum Disorders in Tianjin, China	\$25 500

2012-13 Group Missions	La Trobe University	Collaboration with the Chinese Academy of Sciences on pharmacological strategies to treat obesity	\$27 500
2012-13 Group Missions	Burnet Institute	Building a collaborative research agenda with Nanjing University and members of the Australia China Association for Biomedical Sciences (ACABS) in the field of biomedical research	\$45 000
2012-13 Group Missions	Burnet Institute	Collaboration with the Institute for Pathogen Biology, Chinese Academy of Medical Sciences, in the area of novel tuberculosis diagnostics.	\$13 300
2012-13 Group Missions	Smart Services CRC	Development of a Collaboration between Smart Services CRC, Tsinghua University, Hunan University, the Beijing Film Academy and X Media Lab China in the area of 3D immersive broadband services	\$45 000
2012-13 Group Missions	The University of New South Wales	Collaboration with the China University of Mining and Technology in the area of radar remote sensing techniques and mining	\$29 500
2012-13 Group Missions	University of Technology Sydney	Collaboration with the Chinese Academy of Sciences on the effects of drought on carbon and hydrological cycles of terrestrial ecosystems	\$28 750
2012-13 Group Missions	The University of New South Wales	Collaboration with Zhejiang University and the Chinese Academy of Arts & Social Sciences on Intergenerational Solidarity in China: Public and Private Time and Money Transfers in an Era of Demographic Change	\$44 000
2012-13 Group Missions	The University of Queensland	Collaboration with the Nature Biodiversity Research and Conservation Centre to improve the understanding of biodiversity and fishery threats and responses in coastal zones	\$40 770
2012-13 Group Missions	University of Technology Sydney	Collaboration with Shanghai University to develop a joint long-term research program for Sustainable Smart Cities	\$42 500
2012-13 Group Missions	Curtin University of Technology	Collaboration with Huazhong University of Science and Technology to improve the Project Life Cycle Management of Building and Infrastructure through Building Information Modelling (BIM)	\$40 200
2012-13 Group Missions	National ICT Australia	Collaboration with Tsinghua University, to develop advanced machine learning for social media analysis	\$45 000
2012-13 Group Missions	CO2CRC Ltd	Collaboration with Tsinghua University, NICE and other partners to establish joint R&D programs in the field of CO2 Capture	\$25 000
2012-13 Group Missions	The Australian National University	Collaboration with Tsinghua University Beihang University and CityU-Zhenshen and others to strengthen Australia-China cooperation in computational social science and research into information diffusion in social media	\$41 700

2012-13 Group Missions	Curtin University of Technology	4th (2013) Sino-Australian Symposium on Advanced Coal and Biomass Utilisation Technologies	\$45 000
2012-13 Group Missions	Griffith University	Collaboration with Institute Pasteur Shanghai and the Chinese Academy of Sciences Institute for Microbiology and Immunology on antiviral drug discovery	\$22 540
2012-13 Group Missions	Griffith University	Collaboration with the Institute of Psychology, Chinese Academy of Sciences in the field of mental health to enhance Australia's research and industrial partnership	\$40 250
2012-13 Group Missions	University of Wollongong	Collaboration with Shanghai Institute of Microsystem and Information Technology (Chinese Academy of Sciences) to explore the application of carbon nanomaterials in terahertz science and technology	\$20 000
2012-13 Group Missions	University of Wollongong	Collaboration with Shanghai Advanced Research Institute (Chinese Academy of Sciences) to develop a novel carbon neutral desalination process based on forward osmosis (FO) and membrane distillation (MD)	\$24 400
2012-13 Group Missions	Edith Cowan University	Collaboration with Capital Medical University, Beijing, China to jointly conduct a pilot survey on suboptimal health status	\$34 000
2012-13 Group Missions	Commonwealth Scientific and Industrial Research Organisation	Collaboration with Satellite Surveying and Mapping Application Centre, National Administration of Surveying, Mapping and Geoinformation (NASG) to conduct national scale assessment and monitor natural resources by using satellite data	\$37 100
2012-13 Group Missions	James Cook University	Strengthening Collaboration with Tianjin University on Dental Ceramic Fabrication and Characterization	\$45 000
2012-13 Group Missions	Woolcock Institute of Medical Research	Collaboration with the China Asthma Alliance (CAA) to improve the understanding and management of severe asthma	\$15 000
2012-13 Group Missions	James Cook University	Collaboration with Wenzhou Medical College to explore treatment mechanisms for orthodontic management of periodontal diseases in adult and aged population	\$44 950
2012-13 Group Missions	Queensland University of Technology	Collaboration with three leading Chinese groups to develop a comprehensive platform for in-depth understanding of nanomaterial behaviours based on theoretical, numerical and experimental studies	\$45 000
2012-13 Group Missions	The University of Queensland	Collaboration with Huazhong Agricultural University to understand the Epigenetic Regulation of Important Agricultural Traits in Canola	\$13 500

2013-14 Group Missions	RMIT University	Collaboration with Tsinghua University and Harbin Institute of Technology to develop integrated international construction supply chains: knowledge cluster for seamless off-site housing (OSH) systems	\$44 638
2013-14 Group Missions	University of South Australia	Collaboration with Tianjin University to develop a strategic partnership in the field of urban sustainability research	\$45 000
2013-14 Group Missions	Griffith University	Collaboration with Yunnan Police Officer Academy to build counter-narcotics capacity	\$43 732
2013-14 Group Missions	University of the Sunshine Coast	Collaboration with East China Normal University to boost subtropical planted forests carbon stock and timber via soil amendment of biochar	\$44 760
2013-14 Group Missions	Southern Cross University	Development of a strategic collaboration between Zhejiang University and Huazhong Agricultural University in major food crop seed grain composition and nutritional quality.	\$44 940
2013-14 Group Missions	University of Technology, Sydney	Collaboration with Shanghai Jiaotong University and other partners to build a Research Network for Big Data Analytics	\$40 905
2013-14 Group Missions	University of Ballarat	Collaboration with the Nanjing Institute of Geography and Limnology Chinese Academy of Sciences (NIGLAS) to develop a China Australia Floodplain Wetland Network research partnership	\$40 290
2013-14 Group Missions	The HEARing CRC Limited	Collaboration with Beijing Language and Cultural University on hearing impairment and language acquisition	\$43 556.25
2013-14 Group Missions	University of Melbourne	Collaboration with Fudan University to understand human immunity to A/H7N9 infection	\$20 000
2013-14 Group Missions	Flinders University	New directions in marine biotechnology: a collaboration between Flinders University and the Chinese Academy of Sciences.	\$45 000
2013-14 Group Missions	University of New South Wales	Collaboration with the Chinese Centre for Antarctic Astronomy to undertake astronomical research and develop infrastructure at China's Kunlun Station in Antarctica	\$45 000
2013-14 Group Missions	University of Western Sydney	Collaboration with the Chinese Center for Disease Control and Prevention to apply health informatics to map disease transition in China	\$30 261.61