



THE UNIVERSITY OF
SYDNEY

DEPUTY VICE-CHANCELLOR INTERNATIONAL
INTERNATIONAL NETWORKS
ANNUAL REPORT
2010

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EXECUTIVE SUMMARY

International network engagement forms an important part of the University of Sydney's internationalisation strategy. Such engagement confirms the University's commitment to innovation and leadership in global higher education.

The benefits of the University's international network engagement are many and include:

- increased international profile and visibility
- access to and input in high-level discourse on global higher education issues
- international research collaborations
- academic and student exchange
- enhanced funding opportunities, both domestic and international
- benchmarking and best-practice.

The University of Sydney is a member of four international university networks:

- Academic Consortium 21 (AC21)
- Association of Commonwealth Universities (ACU)
- Association of Pacific Rim Universities (APRU)
- Worldwide Universities Network (WUN).

The University is also an official knowledge partner of the Organisation for Economic Co-operation and Development (OECD).

Our international network partners are some of the world's leading universities, including Stanford; California Institute of Technology; University of California system; University of Washington; Peking University; University of Tokyo; National University of Singapore; and the University of Bristol.

Following significant growth in activity between 2007 and 2009, 2010 was a period of consolidation for the University's engagement in international networks. The number of active research collaborations under the banner of our international networks remained steady at 39 following the natural conclusion of three collaborations and the addition of three new ones. In

2010, more than 80 University of Sydney academics and postgraduate students were directly involved in international network activities, providing new opportunities for both the current and next generation of international researchers.

Following the expansion of WUN into Africa in 2009, the global spread of this network grew wider with the signing of the University of Auckland to the consortium in May 2010. Professor John Hearn, Deputy Vice-Chancellor (International), continued his appointment as WUN Chief Executive implementing his vision for the future growth and success of the network, compatible with those of the University of Sydney.

AC21 expanded its network into Africa in late 2009 with the addition of the University of Stellenbosch to the network, as well as the universities of Strasbourg in France and Minnesota in the United States.

Across 2007-2009, a total of \$876,132 was invested in international network engagement across all three networks (based on \$283,709 expenditure on membership fees and \$592,423 directly invested in research collaborations through the International Program Development Fund). This investment was recognised as catalytic in securing

\$4,744,012 in competitive research grants, as well as producing 44 publications and hosting 13 international conferences in that same period.

In 2010 alone, the University was successful in securing more than \$30,000 directly back from our international networks in network seed research grants.

International network engagement is relatively inexpensive to maintain but is a highly effective means of raising our international profile while continually generating new relationships and opportunities. Limited resources and strategically targeted seed-funding leverage enduring impact by establishing solid institutional links, facilitating dialogue between academics, building frameworks that support bids to external funding sources and engaging the next generation of scholars.

This report outlines the major activities of the University of Sydney's international network relationships in 2010 and the key priorities for advancing these relationships in 2011.

ASSOCIATION OF PACIFIC RIM UNIVERSITIES (APRU)

Number of members: 42

Date founded: 1997

Date Sydney joined: 1997

Objective: To foster cooperation in education, research and enterprise thereby contributing to economic, scientific and cultural advancement in the Pacific Rim.

Annual subscription: US\$16,000 (due to rise to US\$24,000 in FY11/12).

Distinct advantages: APRU places the University of Sydney amongst some of the region's, and the world's, leading research institutions (28 of the 42 member institutions are in the THE top 200 universities). APRU provides a leadership forum and a voice for the University of Sydney amongst the region's biggest players in higher education. Through the APRU World Institute, APRU is building critical mass of world-class researchers to address issues of major regional concern.

RESEARCH

Throughout the University there are numerous research collaborations with APRU partners occurring at the individual academic, department, school and faculty level. In addition to these, the University of Sydney is deeply engaged in two high-profile APRU research collaborations. They are listed below (with the leading institution marked in bold):

APRU WORLD INSTITUTE PUBLIC HEALTH INITIATIVE

Partners: Chinese University of Hong Kong, Claremont Graduate University, Hanoi School of Public Health, Johns Hopkins University, Nanjing University, **National University of Singapore**, Peking University, Seoul National University, Stanford, University of Southern California, **University of Sydney**, University of Tokyo, Zhejiang University.

Principal/s: Professor Stephen Leeder, Director, Menzies Centre for Health Policy, and Professor George Rubin, Faculty of Medicine.

Description: Senior level collaboration bringing together leading scholars and practitioners from throughout the region to collaborate on important public health issues affecting the Asia-Pacific region.

Highlights

- Professor Stephen Leeder attended the Steering Committee Meeting hosted by Chinese University of Hong Kong in November 2009.
- Sydney leads on an international research collaboration aimed at reducing cardiovascular morbidity in the region by 20 per cent alongside key partners Chinese University of Hong Kong, Nanjing and Peking.
- Professor Leeder attended the annual workshop hosted by Nanjing University in June 2010.
- Dr Mu Li of the School of Public Health attended the Steering Committee Meeting hosted by the University of Indonesia in November 2010.

IPDF funding: IPDF 2010, \$14,000.

APRU BRAIN AND MIND INITIATIVE

Partners: University of Auckland, Keio University, National University of Singapore, University of Oregon, Peking University, Seoul National University, **University of Sydney**.

Principal/s: Professor Maxwell Bennett and Professor Ian Hickie, Brain and Mind Research Institute.

Description: Research collaboration promoting brain and mind research in the Asia-Pacific region. The collaboration focuses on the following areas: the role of redox proteomics in Alzheimer's Disease, neurotoxicity, molecular research in neuro-degeneration, neural stem cells, genetic impact on neuropsychiatric disorders such as schizophrenia and anti-psychotic pharmaceuticals.

Highlights

- Sydney hosted the first APRU Brain and Mind Symposium in 2006 and is the lead university on this international collaboration.
- Sydney sent a delegation to the 3rd APRU Brain and Mind Symposium hosted by Seoul National University in August 2010. The proceedings of the symposium will be published in the new *Asia-Pacific Psychiatry* journal.

STUDENT AND ACADEMIC EXCHANGE

APRU DOCTORAL STUDENTS CONFERENCE

The University of Sydney funded five doctoral students to attend the 11th APRU Doctoral Students Conference hosted by the University of Indonesia in July 2010. The five students were: Stefan Gruber (Law), Karma Nidup (Veterinary Science), Jun Yi Ong (Architecture, Design and Planning), Mohammed Ashiqur Rahman (FAFNR) and Nathan Wales (Arts). The conference supports the developing academic careers of doctoral students by providing them with professional development and networking skills in an international arena.

Each year, University of Sydney PhD students are notified of the conference via an email sent direct to all current PhD students inviting submission of abstracts to the conference organiser. Students whose abstracts are selected by the conference organiser are then eligible for one of five travel scholarships jointly offered by the Office of the Deputy Vice-Chancellor (International), Graduate Studies Office and Vice-Chancellor's office.

APRU UNDERGRADUATE SUMMER PROGRAM

The University of Sydney sent two undergraduate students, Kate Drew (Veterinary Science) and Michelle Jansen (Health Science), to the 5th APRU Undergraduate Summer Program hosted by National University of Singapore in July 2010. The program brings together students from around the Pacific Rim in an exchange of ideas and cultures.

Annually, each faculty is invited to nominate one outstanding student leader, who is then asked to submit a short essay on the conference theme. The Office of the Deputy Vice-Chancellor (International) reviews these essays and selects the top two students to attend the program. Students' travel and registration fees are co-funded by the Office of the Deputy Vice-Chancellor (International) and the students' faculty.

APRU AGEING SYMPOSIUM SERIES

A University of Sydney postdoctoral student (Dr Leigh Wilson, Health Science) was selected to attend the 3rd APRU Symposium on Ageing hosted by the National University of Singapore in October 2010. The five-day symposium is part of an ongoing series of annual symposia that provide a platform for junior researchers in the Pacific Rim to network and learn about healthy ageing from international and local experts.



LEADERSHIP AND PROFILE BUILDING

- Mr Bruce Miekle, CIO, and Dr Andrew Cooper, Director of ICT Academic Services, represent the University of Sydney in the APRU CIO Forum. The forum is aimed at sharing best practice and solutions and to develop collaborative opportunities in information and communication technology among APRU universities. Staff from ICT participate in a regular series of monthly videoconferences hosted by APRU. Dr Cooper attended the 2010 APRU CIO Forum hosted by the University of Southern California in May 2010.
- Professor Robyn Ewing, Acting Dean of the Faculty of Education and Social Work, and Professor Robert Tierney, incoming Dean, both attended the 2nd APRU Meeting of Education Deans hosted by the University of Auckland in December 2009.
- Professor John Hearn attended the 7th APRU Senior Staff Meeting hosted by Keio University, Japan, in March 2010.
- Professor Anton McLachlan, Director of International Development, and Mr Nicholas Haskins, International Development Manager (Networks), attended the 14th APRU Presidents Meeting hosted by the University of Auckland in June 2010.
- The University of Sydney hosted a visit by the Associate Vice-President of the University of British Columbia in September 2010.

KEY PRIORITIES FOR 2011

Maintain the University of Sydney's leadership position in APRU by continuing to explore opportunities to further build our role in the network and enhance APRU's value to the University of Sydney.

WORLDWIDE UNIVERSITIES NETWORK (WUN)

Number of members: 16

Date founded: 2000

Date Sydney joined: 2006

Objective: To be one of the leading international higher education networks, collaborating to accelerate the creation of knowledge and to develop the people required to address the challenges and opportunities of our rapidly changing world. WUN creates new multilateral opportunities for international collaboration in research and graduate education. It is a flexible, dynamic organisation that uses the combined resources and intellectual power of its membership to achieve collective international objectives and to stretch international ambitions.

Annual subscription: £35,000

Distinct advantages: WUN provides administrative, infrastructure and financial support to international research collaborations, catalysing research productivity and external funding opportunities. WUN's range of output-driven research activities makes it the most productive of our international networks in terms of faculty participation. WUN also provides the most extensive reach of our international networks into Europe, North America and Africa.

RESEARCH

A key strength of WUN is its commitment to fostering multilateral, multi-disciplinary research collaborations that bring together centres of research excellence from partner universities throughout the network to engage in dynamic, innovative and globally-focused research. By bringing talent and resources together under the WUN umbrella, partner universities build capacity to address major research challenges more effectively than could be achieved working alone or bilaterally. This in turn increases scope for international research funding opportunities and greater research impact.

The University of Sydney is currently engaged in 35 international research collaborations under the auspices of WUN. They are listed below (with the leading institution marked in bold):

WUN ASIA PACIFIC INTERNATIONAL RELATIONS

Partners: University of Alberta, University of Bergen, University of Bristol, **University of Leeds**, Nanjing University, University of Sheffield, University of Sydney.

WUN+ Partners: University of Guadalajara, Peking University, Sciences Po, Seoul National University.

Principal: Dr James Reilly, Faculty of Arts.

Description: This research network examines political, cultural and economic relations throughout the Pacific Rim and investigates how the Asia-Pacific's international and regionalised relations are shaping global governance, economy and society.

Highlights

- Three participants from Sydney attended the opening workshop hosted by Guadalajara in January 2010. The workshop set forward the future research direction and activities of the group. Selected papers from the workshop will be published in *The Pacific Review*.

- Dr Minglu Chen visited Leeds for two months commencing in April 2011 to undertake joint research.
- The network includes a sub-theme on China-Latin America relations. Professor Goodman, Dr Adrian Hearn and Dr Minglu Chen will all participate in the sub-theme's international workshop to be hosted by Leeds in May 2011. The workshop will be followed by a special edition of the *Journal of Current Chinese Affairs*, as well as an edited volume.
- Sydney will send four academic staff (Professor David Goodman, Dr James Reilly, Dr Adrian Hearn and Dr Minglu Chen) to participate in the international workshop to be hosted by Leeds in May 2011, Asia-Pacific: Shaping the World.
- The group has plans to establish an international postgraduate summer school and plans to pursue external funding opportunities including ESRC, AHRC, British Academy, Leverhulme, EU FP7, and MacArthur.

IPDF funding: IPDF 2010, \$10,000.

WUN ASTRONOMY NETWORK

Partners: University of Bristol, University of Cape Town, University of Leeds, Penn State University, University of Southampton, University of Sydney, University of Western Australia, University of Wisconsin-Madison.

WUN+ Partners: University of Illinois.

Principals: Professor Bryan Gaensler, Professor Anne Green and Dr Greg Madsen, Faculty of Science.

Description: This developing initiative draws together the various strengths in the research of astronomy across WUN universities. The high investment in capital infrastructure required to undertake cutting-edge research in this field means that the benefits of inter-institutional collaboration are many.

Highlights

- The collaboration includes an international research project on the evolution of the Large and Small Magellanic Clouds – the nearest galaxies to our own and interfaces with another existing WUN collaboration between Leeds and Wisconsin, CORNISH-South.
- A meeting at the Square Kilometre Array (SKA) meeting hosted by Manchester in May 2010 allowed colleagues from Sydney and Leeds to discuss the development of the collaboration.
- Professor Melvin Hoare of Leeds visited Sydney in September 2010 to engage in joint research. The visit will result in a joint proposal to the next MOST survey, two joint papers and additional staff and postgraduate exchanges.
- A meeting of partners is planned to occur alongside the SKA meeting to be hosted by Wisconsin in mid-2011.
- The group is currently considering plans for greater collaboration and coordination to bring mutual benefit to one another's research, particularly in bringing together the wealth of astronomy researchers in the northern hemisphere with the understaffed facilities of the southern hemisphere.
- Plans to seek funding from Royal Society, Leverhulme, EU, WUN and ARC.

IPDF funding: IPDF 2010, \$10,000.

WUN CLIMATE CHANGE AND GENDER

Partners: University of Alberta, University of Leeds, Penn State University, University of Sydney, University of Washington.

WUN+ Partners: Federal University of Rio de Janeiro, University of Greenwich, Monash University, Tufts University, York University.

Principal: Professor Rosemary Lyster, Australian Centre for Climate and Environmental Law.

Description: Gender issues are complexly interlinked to vulnerability to the effects of climate change. In developing countries, where women bear primary responsibility for agricultural work and collecting water and fuel, changes in precipitation patterns due to climate change are expected to have a disproportionate impact on the lives of women. Women often have fewer rights, less power and less access to resources to deal with the effects of climate change than men. The goal of this network is to develop theoretical, methodological, and ethical approaches to studying this important topic.

Highlights

- Sydney was named on a successful funding application to WUN to seed this collaboration, valued at £9,000, awarded in February 2010.
- Sydney will participate in the global virtual seminar series in 2011.

WUN funding: WUN RDF Grant 2009, £9,005 (named partner).

WUN COGNITIVE COMMUNICATIONS

Partners: University of Bristol, University of Cape Town, University of Leeds, Penn State University, University of Sydney, University of Western Australia, University of York, Zhejiang University.

WUN+ Partners: Czech Technical University, King's College London, National Technical University of Athens, Peking University, Virginia Tech University.

Principal: Dr Yonghui Li, School of Electrical and Information Engineering.

Description: Communication devices today are becoming ever more sophisticated and diverse, delivering a plethora of new services and applications. The key to the next revolution in communications delivery is the application of distributed artificial intelligence (i.e. cognition) to wireless communications devices. This collaboration brings together the disciplines of wireless communications, artificial intelligence, applied electromagnetics and implementation to help realise this revolutionary change in communications.

Highlights

- Sydney was named on a successful funding submission to the WUN Research Development Fund led by York valued at £10,000 awarded in February 2010. The grant was used to support the travel of two Sydney academics and one PhD student to project partners to develop the collaboration.
- Dr Yonghui Li attended the international meeting in Singapore in April 2010.
- Dr Yonghui Li visited Zhejiang University to undertake joint research and delivered a guest lecture in April 2010.
- A PhD student from Sydney spent three months at York working on joint research from June to August 2010.
- Professor Branka Vucetic visited York to undertake joint research in June 2010.
- A joint MoU between York and Sydney is currently under development.
- Researchers from UWA and York visited Sydney to undertake joint research in December 2010.
- The group has defined plans for external funding bids including the Engineering and Physical Sciences Research Council (UK) and a revised approach to the EU.

IPDF funding: IPDF 2010 Special Round, \$10,000.

WUN funding: WUN RDF Grant 2009, £10,000 (named partner).

WUN INTERNATIONAL NETWORK IN COLONIAL AND POSTCOLONIAL STUDIES

Partners: University of Alberta, University of Bristol, University of Cape Town, University of Leeds, University of Sydney, University of Wisconsin-Madison.

Principals: Professor Robert Aldrich and Dr Kirsten McKenzie, Faculty of Arts.

Description: Studying the consequences of colonialism in the past and its legacies for today, with particular emphasis on slavery, post-colonial migrations, attitudes toward race, comparative public memory, and relationship between European empires and modern globalisation. A particular focus is on Indian/Pacific historic and cultural flows.

Highlights

- A team of postgraduate students from Sydney formed the editorial group of the inaugural edition of *Ex Plus Ultra*, the postgraduate e-Journal of the WUN International Network in Colonial and Postcolonial Studies. This journal is produced by postgraduate students for postgraduate students and is an excellent example of how WUN is supporting the next generation of scholars. The journal was launched in October 2009. In 2010, the second edition of the e-Journal was produced by Leeds and will continue to rotate through the network beyond that.
- Sydney is active in both sending and receiving WUN Research Mobility Program (RMP) awardees. To date five postgrad students and two faculty members have visited Sydney under the program and one postgrad student has travelled to Leeds under the program.
- Dr Kirsten McKenzie (Sydney) and Professor Nigel Worden (UCT) co-developed an Honours unit, Southern Crossings, and undertook a month-long staff exchange to teach the unit to the other's students in April 2010. The unit has incorporated videoconferencing and blogging to further connect the students on different sides of the globe. Funding has been received by the University of Cape Town to continue the program and staff exchange in 2011.

- Sydney hosted a month-long visit by Professor Nigel Worden of UCT in April 2010. During his visit, Sydney hosted a Sydney-UCT Research Roundtable to explore potential research collaborations with UCT.
- Professor Aldrich attended the international conference hosted by Wisconsin-Madison in Barcelona in June 2010.
- Sydney hosted the 3rd Annual Postgraduate Intensive Masterclass in July 2010. The masterclass included participants from WUN universities Sydney, Bristol and Leeds, as well as students from Harvard, Oxford, Birkbeck College (University of London), École Normale Supérieure (University of Paris) and ANU.
- Sydney, through Professor Alison Bashford, is involved in a sub-project led by Southampton and funded by the Southampton Internationalisation Fund focused on the role the printing industry played in migration flows throughout the British Empire in the late 19th century. The project also involves UWA and Cape Town.
- The University of Sydney hosted an international workshop, Colonial Cities, in September 2010. It included a keynote paper by Professor Robert Bickers of Bristol.
- Dr Kirsten McKenzie was awarded a short-term fellowship by Bristol to visit there in December 2010. She also visited partners in Leeds at this time.
- Sydney and Cape Town are collaborating on a joint ARC Discovery Grant bid to be submitted in early 2011.
- This collaboration has led to the recruitment of a PhD student from Cape Town on a University of Sydney International Scholarship.
- Sydney will host the 4th Annual Postgraduate Intensive Masterclass in July 2011. The keynote speaker will be Professor Antoinette Burton from the University of Illinois.
- Planning is under way for a possible international conference to be hosted in Sydney in 2011.

IPDF funding: IPDF 2008, \$10,000; IPDF 2009, \$7,100; IPDF 2010, \$25,000.

WUN CONSTRUCTING KNOWLEDGE SPACES

Partners: University of Bristol, University of Sydney, University of Wisconsin-Madison.

WUN+ Partners: University of Toronto.

Principal: Professor Anthony Welch, Faculty of Education and Social Work.

Description: The broad aim of this initiative is to bring together an interdisciplinary group of internationally distinguished researchers with overlapping interests in the emerging transnational governance of 'knowledge spaces' at a range of scales. Through a focus on 'education' broadly defined, this collaboration examines the material and discursive construction of knowledge spaces from a range of theoretical and methodological perspectives.

Highlights

- Professor Welch was named on a WUN Research Development Fund grant led by Bristol valued at £5,750 awarded in February 2010.
- Professor Welch participated in the international workshop in Chicago in March 2010.
- A book featuring a paper by Professor Welch on CHINA-ASEAN regionalism in higher education is planned for 2011.
- A special issue of the journal *Globalisation, Societies and Education* on China will be co-edited by Professor Welch and Associate Professor Yang Rui from the University of Hong Kong.

IPDF funding: IPDF 2008, \$10,000; IPDF 2010, \$2,000.

WUN funding: WUN RDF Grant 2009, £5,750 (named partner).

**WUN CONTEMPORARY
CHINA CENTRE**

Partners: University of Alberta, University of Bristol, University of Leeds, Nanjing University, University of Sheffield, University of Sydney, University of Washington-Seattle, Zhejiang University.

WUN+ Partners: University of Oslo.

Principal: Professor David Goodman, Faculty of Arts, on behalf of the University of Sydney Contemporary China Research Group.

Description: The Centre addresses contemporary China as a geographical unit of research and explores geographical, political, economic, environmental, social and cultural perspectives.

Highlights

- A large-scale research project on Perceptions of Class in China is being mounted as part of this collaboration.
- Dr Bray submitted an ARC Discovery Project application valued at \$169,000 in March 2010. This was unsuccessful.
- Dr Bray submitted an ARC Future Fellow application valued at \$700,000 in April 2010. This was unsuccessful.
- Two Sydney postgraduate students participated in the WUN Summer School hosted by Nanjing in July 2010.
- Four Sydney academic staff (Professor David Goodman, Professor Hans Hendrichske, Dr Terry Woronov and Dr Minglu Chen) participated in the China 2020 International Workshop hosted by Alberta in July 2010.
- Dr David Bray visited Nanjing University to undertake joint fieldwork in September 2010.
- Sydney will participate in 6 seminars as part of the 2010/11 global virtual seminar series.
- Sydney hosted an international workshop on class in China in February 2011.

IPDF funding: IPDF 2008, \$9,000.

WUN funding: WUN RDF Grant 2009, £5,000 (named partner).

WUN DISABILITY AND YOUTH NETWORK

Partners: University of Alberta, University of Bristol, University of Sydney, University of Western Australia, University of York.

WUN+ Partners: University of East Anglia, University of Lancaster, University of North Carolina.

Principal: Professor Gwynnyth Llewellyn, Faculty of Health Sciences.

Description: This collaboration brings together WUN universities with other leading universities, the Australian Institute of Health and Welfare and WHO to develop a robust set of indicators to advance policy and measure progress toward improving the health and wellbeing of disabled children and youth.

Highlights

- Articulated plans for submissions to international funding bodies.
- Sydney organised a roundtable held alongside the European Conference of the International Association for the Scientific Study of Intellectual Disability in Rome on October 2010.
- The group has plans to meet with representatives from WHO to present their work and discuss potential joint ventures.

IPDF funding: IPDF 2010, \$14,000.

**WUN FORUM FOR RESEARCH AND EDUCATION IN
SEXUAL HEALTH (FRESH)**

Partners: University of Alberta, Penn State University, University of Sheffield, University of Sydney, University of Washington-Seattle, University of Wisconsin-Madison.

WUN+ Partners: University of Agder, University of Virginia, University of Indiana, Widener University.

Principal: Dr Patricia Weerakoon, Faculty of Health Sciences.

Description: The Forum for Research and Education in Sexual Health (FRESH) brings together an international community of sex researchers and teachers with the aim of promoting a global research culture in sexual health and sexology through shared expertise and

collaborative academic activity. In doing so, FRESH will establish resources for international training in sexology and sexual health, and cultivate a dynamic mobility program for students and academics across partner institutions.

Highlights

- Sydney leads a collaborative research project on sexuality and gender as factors in the genesis of adolescent depression.
- Dr Weerakoon co-authored a paper with FRESH colleague Dr Kevan Wylie of Sheffield, *International Perspective on Teaching Human Sexuality*, which appeared in the September edition of *Academic Psychiatry*.
- Dr Weerakoon was successful in securing funding from the Australian Leadership Award Fellowship Program valued at \$105,766 to develop research and training links with key partners in Sri Lanka aimed at reducing child sexual abuse in Sri Lanka.
- A global virtual seminar series is being planned for this group.

IPDF funding: IPDF 2008, \$7,000.

WUN GLOBAL ENTERPRISE

Partners: University of Alberta, University of Leeds, Nanjing University, University of Sydney, University of York, Zhejiang University.

WUN+ Partners: University of Illinois, Indian Institute of Management Bangalore (IIMB).

Principal: Dr Richard Seymour, the University of Sydney Business School.

Description: A global network of academics and practitioners to expand the impact and quality of entrepreneurship in higher education. The network utilises research collaboration, e-Learning and experiential learning to enhance enterprise education for the business and social entrepreneurs of tomorrow.

Highlights

- Sydney chaired this collaboration from October 2009 through May 2010.
- Sydney is engaged in a specific research project with Leeds and Dun Laoghaire College (Ireland) under the

auspices of this collaboration. The project examines entrepreneurship in the cultural industries.

- Sydney led a faculty exchange program with key partners Zhejiang, Leeds, Illinois and IIMB. The program operated both inbound and outbound and ran over two years from Jan 2009 – October 2010.
- Sydney hosted the inaugural Stimulate: WUN Enterprise Student Forum in April 2010. This event brought together student teams and academics from WUN partner universities around the world in an exchange of knowledge and cultures. Minister for Innovation, Industry, Science and Research, Kim Carr, delivered the keynote address at the forum. The forum partnered with the Department of Innovation, Industry, Science and Research (DIISR), with the international student teams working on a real business challenge presented by DIISR. The results of the student projects fed into a submission by the University of Sydney to the DIISR Book Industry Strategy Group and will influence government policy in this area.

IPDF funding: IPDF 2008, \$10,000; IPDF 2009, \$12,150.

WUN GLOBAL FACTORY

Partners: University of Alberta, **University of Leeds**, University of Sydney, Zhejiang University.

WUN+ Partners: Cambridge.

Principals: Professor Hans Hendrichske and Dr John Mikler, Faculty of Arts.

Description: This network investigates how multinational enterprises are responding to international policies concerning climate change, while remaining internationally competitive. This group will contribute to research on adaptation to climate change from a combined political economy, engineering, and international business perspective.

Highlights

- Professor Hinrich Voss of Leeds undertook a one-month visiting fellowship at Sydney in August 2010.
- This project will feed research outcomes into both the WUN Asia-Pacific International Relations Network and the WUN Contemporary China Centre.

- Three paper submissions to leading journals are planned by mid-2011.
- Plans to seek funding from Sino-British Fellowship Trust.
- This group received a \$10,000 grant from the Institute for Social Sciences in August 2010 to support their engagement in this network.

WUN GLOBAL HEALTH JUSTICE

Partners: University of Alberta, University of Bergen, **University of Bristol**, University of Leeds, Penn State University, University of Sydney, University of Western Australia.

Principal: Associate Professor Ruth Colagiuri, Menzies Centre for Health Policy.

Description: The processes of globalisation have exposed populations worldwide to new or resurgent health risks, including communicable diseases (SARS, pandemic influenza, cholera, tuberculosis, HIV/AIDS), chronic conditions generated by global marketing of harmful products (lung cancer, obesity) and bioterrorism. Such threats transcend geographical boundaries, rendering traditional forms of regulation and control through national laws ineffective. At the same time, growing inequalities in health standards between and within nations present the most critical health security challenge of our time. The aim of this group is to establish an international network of scholars to critically interrogate frameworks and structures of global public health justice and provide an informed resource for national and global policy-makers.

Highlights

- Associate Professor Ruth Colagiuri attended and presented a paper at the international conference hosted by Bristol in February 2010.
- A/Prof Colagiuri leads a sub-strand of the network focusing on the intersection of climate change and public health, particularly non-communicable diseases.
- Sydney secured a WUN Research Development Fund grant valued at £14,460 in December 2010 to support the development of this network.

- Sydney will host an international workshop on the intersection of public health and climate change in April 2011.

IPDF funding: IPDF 2011, \$10,000.

WUN funding: WUN RDF Grant 2010, £14,470.

WUN IDEAS & UNIVERSITIES

Partners: University of Bergen, **University of Bristol**, University of Southampton, University of Sydney, University of Washington-Seattle, University of Wisconsin-Madison, Zhejiang University.

WUN+ Partners: University of Hong Kong.

Principal: Professor Anthony Welch, Faculty of Education and Social Work.

Description: To explore the way in which ideas have found institutional expression in universities from the emergence of the earliest European universities in the late 12th century to now, and to take a comparative approach: universities in different times and in different places.

Highlights

- Professor Welch attended the 3rd International Conference titled The Global University: Past, Present and Future Perspectives, hosted by Madison in February 2010. His attendance was funded by Madison.
- The conference will result in a book featuring a chapter by Professor Tony Welch on Australia's offshore campuses in SE Asia.
- Sydney participates in the global virtual seminar series, connecting postgraduate students with leading academics and scholars abroad. Professor Welch and Mr Cai Hong-Xing, a CSC scholar, had a proposal accepted to deliver a virtual seminar on China's Overseas Talent Recruitment Schemes in March 2011.

WUN INTERNATIONAL AND COMPARATIVE CRIMINAL JUSTICE NETWORK (WUN ICCJNET)

Partners: **University of Leeds**, Nanjing University, University of Sheffield, **University of Sydney**.

WUN+ Partners: University of California-Berkeley, University of Illinois, International Criminal Court, International Peace Academy, Max Plank Institute, Nottingham Trent University, University of Oslo, University of Toronto, University College London, University of Utrecht.

Principal: Professor Mark Findlay, Faculty of Law.

Description: This network draws together leading scholars and practitioners examining the internationalisation and policy transfer of international criminal trials, comparative penology, comparative urban governance and international policing.

Highlights

- Sydney co-leads this network with the University of Leeds.
- Sydney developed an interactive website to encourage a global virtual research community in this field. The website contains a blog, information clearinghouse and other interactive functionality.
- Sydney has co-developed PG teaching modules to be delivered in Sydney and Leeds.
- Sydney secured a grant from the WUN Research Development Fund valued at £14,650, awarded in February 2010.
- Sydney, Leeds and Sheffield awarded the second Network Fellow to Dr Ilaria Bottiglieri of the International Development Law Organisation (IDLO). She undertook the six-week fellowship at Leeds and Sheffield in May and September 2010. Dr Bottiglieri's fellowship will result in a publication exploring victims' participation in global justice mechanisms and will also result in the ongoing involvement of the IDLO in WUN ICCJnet.
- The University of Sydney hosted an international workshop in October 2010 aimed at further advancing the international research collaboration and producing a special issue of *Current Issues in Criminal Justice*.

- The network will publish a collection of essays titled *International and Comparative Criminal Justice and Urban Governance: Convergence and Divergence in Global, National and Local Settings* by Cambridge University Press in early 2011. It will feature an essay by Professor Findlay.

IPDF funding: IPDF 2008, \$5,000; IPDF 2009, \$10,000.

WUN funding: WUN Grant 2008, \$15,000; WUN RDF 2009, £14,650.

WUN LABORATORY BLOG BOOK

Partners: Penn State University, **University of Southampton**, University of Sydney.

WUN+ Partners: UNSW.

Principals: Dr Matthew Todd and Dr Peter Turner, Faculty of Science.

Description: This project is aimed at advancing the core concept of collaborative, digital “open science”. Using chemistry laboratory notebooks as a pilot, the project will develop new web-based technology to deliver open source software and provide for the intuitive uploading and sharing of manipulable data across multiple sites around the globe. The development of this technology will lead to rapid advances in research, teaching, learning and dissemination of research findings to the public.

Highlights

- This project uses and supports datasets from the ARCand WHO-funded University of Sydney LINKAGE Project as its pilot.
- The project is web-based and can be found at: <http://www.oureperiment.org/>
- The project links with other key Australian organisations including Australian National Data Service, Australian Research Collaboration Service and the ARC-funded Molecular and Materials Structure Network.
- Dr Todd and Dr Turner participated in the planning meeting hosted by Southampton in December 2010.
- Sydney was awarded a \$70,000 grant from the Medicines for Malaria Venture (MMV), which will fund a postdoctoral researcher to work on the project for nine months in adapting the open source software

the collaboration has developed in finding drugs to combat malaria.

- MMV has pledged a further \$60,000 per year over 2012-14 as part of an ARC Linkage grant to develop this project further. The outcome of the ARC Linkage application is due in November 2011.
- The project is also receiving support from the University of Sydney eResearch team to develop the archiving and backup functionality of the open source software with the aim of producing a tool for the entire University.
- Dr Todd and Dr Turner are also in negotiations with Sydnovate regarding spinning-out this product for use by other universities.
- Dr Todd and Dr Turner will participate in a project meeting in Washington state in April 2011.

IPDF funding: IPDF 2010, \$10,000.

WUN funding: WUN RDF 2009, £12,000 (named partner).

WUN MEDICINES INFORMATION, REVIEW AND PARTNERSHIP NETWORK

Partners: **University of Leeds**, **University of Sydney**, University of Wisconsin-Madison.

WUN+ Partners: University of North Carolina Chapel Hill.

Principal: Associate Professor Parisa Aslani, Faculty of Pharmacy.

Description: This collaboration brings together two of the world’s leading institutions in medication research to conduct novel research in three key areas of medicine use: consumer medicines information (the written medicine information provided to consumers), medication review (the regular review of patients on long term medication), and medicine partnership (patients taking an active role in decisions about their medicines).

Highlights

- Sydney and Leeds jointly supervise a PhD attached to this collaboration.
- Joint research project Qualitative Study of Patient

Views on Positive Information and Tailored Information in Consumer Medicine Information (QPIT) is under way.

- Sydney hosted the second workshop of this collaboration in May 2010. Two papers from the workshop have been submitted for publication.
- The Sydney workshop developed a third research stream for this group – Pharmacist Role in Enhancing Diabetes Care in an International Collaborative Team (PREDICT).
- Sydney submitted a funding application to the National Seniors Agency Proactive Health Centre for \$50,000. The application was unsuccessful.
- The research group met alongside the Federation of International Pharmacists Conference in Portugal in August 2010.
- Defined plans to contribute to health policy in the US, UK and Australia.
- Plans to develop a website aimed at providing a comprehensive, globally-recognised resource for consumer medicine information have been put on hold due to resource constraints and IP issues with the Australian Department of Health and Ageing.

IPDF funding: IPDF 2009, \$12,500; IPDF 2010, \$12,000.

WUN MEDIEVAL PLAYS IN MODERN PERFORMANCE

Partners: University of Alberta, University of Bristol, University of Leeds, **University of Southampton**, University of Sydney.

Principal: Associate Professor Margaret Rogerson, Faculty of Arts.

Description: Religious drama of medieval England languished unperformed for 300 years due to the puritanical regimes over that period. “Underground” or purely defiant performances were, however, staged throughout the early 20th century leading up to the eventual lifting of censorship in the 1960s. This network aims to archive all recordings of 20th century performances of medieval religious plays.

Highlights

- Sydney was named on a successful funding bid to the WUN Research Development Fund valued at £7,000 to support the Medieval Plays in Modern Performance archival project.
- A/Prof. Rogerson has been assisting an archival researcher appointed at the University of Bristol to locate materials in Australia and New Zealand.

WUN funding: WUN RDF Grant 2009, £7,000 (named partner).

WUN MEGACITIES

Partners: University of Bristol, University of Bergen, Nanjing University, **University of Sydney**, **University of York**, Zhejiang University.

WUN+ Partners: Ewha Women’s University (Korea), Government of Mexico City, Sun Yat Sen University.

Principal: Professor Michael Humphrey, Faculty of Arts.

Description: This network focuses on megacities in the era of globalisation. The rapid growth in the number of megacities through mass urbanisation is a major social and political issue for the 21st century. The network aims to develop comparative theoretical frameworks and methodologies to provide greater insights into the contemporary challenge of mass urbanisation.

Highlights

- Sydney co-leads this network with the University of York.
- Multiple research visits have been undertaken between partners.
- Creating new empirical classification of global mega cities that will add value to existing rankings and classifications.
- Activity in the network slowed in 2010. Professor Humphrey visited York in November 2010 to develop plans for the network’s future direction.

IPDF funding: IPDF 2008, \$9,300.

WUN funding: WUN Grant 2009, A\$22,000.

WUN NETWORKING YOUNG CITIZENS

Partners: University of Leeds, University of Sydney, University of Washington-Seattle, University of Wisconsin-Madison, **University of York.**

WUN+ Partners: Australian Centre for Educational Research.

Principal: Dr Ariadne Vromen, Faculty of Arts.

Description: This network focuses on the engagement of new media and social networking applications in helping young people to develop new civic capacities. It explores whether and how traditional political institutions can respond to these new youth media practices.

Highlights

- Sydney was named on a funding bid to the joint international research grant competition Digging into Data (a joint scheme offered by the UK's Joint Information Systems Committee, the US National Endowment for the Humanities and the National Science Foundation and Canada's Social Sciences and Humanities Research Council). The bid was valued at \$200,000 but was advised in December 2009 that it was unsuccessful.
- Aims to undertake research that will influence national policy.
- Dr Vromen attended a meeting of the network alongside the Networking Democracy Conference in Cluj, Romania, in June 2010. Dr Vromen also presented a paper at the conference.
- A research grant proposal, led by Sydney and valued at \$350,000, was submitted to the Spencer Foundation in July 2010. After initial feedback from Spencer the proposal is being reworked for a re-submission in late April 2011.

IPDF funding: IPDF 2010, \$11,750.

WUN NURSING NETWORK

Partners: **University of Southampton, University of Sydney, University of Washington.**

WUN+ Partners: Health Canada, King's College London, International Council of Nurses.

Principal: Professor Jill White, Faculty of Nursing and Midwifery.

Description: An innovative, international and interdisciplinary collaboration linking academics, nurses, policy makers and other health care professionals in the research and policy development of professional patient care.

HIGHLIGHTS

- Sydney participated in three seminars as part of the global virtual seminar series between December 2009 and May 2010.
- Dean of Nursing and Midwifery encourages all faculty academic staff to give primary consideration to visiting WUN partner universities (particularly Southampton and Washington) when going on sabbatical.
- Sydney led a funding bid worth £15,000 to the WUN Research Development Fund. It was announced as unsuccessful in February 2010. Other funding options are being pursued.
- A second international workshop to build upon the outcomes of the inaugural Sydney workshop in 2009 will take place in London or Italy in mid-2011. The workshop will bring together leading nursing academics, practitioners and policymakers from Australia, UK, US and Canada.

IPDF funding: IPDF 2009, \$15,000; IPDF 2011, \$21,000.



Science Minister Kim Carr, accompanied by the Vice-Chancellor and Deputy Vice-Chancellor International, arrives for the inaugural WUN Stimulate forum at the University.

WUN PLANT SYSTEMS RESEARCH NETWORK

Partners: University of Alberta, University of Southampton, **University of Sydney**, University of Washington-Seattle, University of Western Australia, Zhejiang University.

WUN+ Partners: University of British Columbia, University of Illinois, International Centre for Tropical Agriculture (CIAT), University of Missouri-Columbia.

Principal: Dr Andrew Merchant, Faculty of Agriculture, Food & Natural Resources.

Description: The Plant Systems Research Network conducts multidisciplinary research towards advancing our understanding of plant function in a changing environment. Programs within the network seek to develop tools for use at a range of scales to meet the challenges of global agricultural productivity and conservation. The effects of global change and increasing human population present major challenges to agricultural and natural systems. Increasing demand for food and fibre will require more efficient agricultural practices based on knowledge of biological systems. For conservation, a better understanding of plant processes that underpin ecosystem health is vital for long term sustainable management. The Plant Systems Research Network seeks to meet these challenges through a combination of basic and applied research programs, education and advocacy.

Highlights

- Sydney leads this research network.
- Sydney was named on a successful funding application to the WUN Research Development Fund led by the University of Washington valued at £10,000.
- Dr Merchant represented Sydney at the WUN Adapting to Climate Change Global Challenge Workshop hosted by Penn State University in May 2010.
- Dr Merchant attended a WUN-sponsored international workshop on improving tolerance of common beans to abiotic stress hosted by the International Centre for Tropical Agriculture (CIAT) in Colombia in November 2010. The workshop resulted in a special issue of the journal *Functional Plant Biology*. The workshop also

led to a major joint submission, led by Michigan State University, to USAID (Collaborative Research Support Program) and on which Sydney is a named partner.

The submission runs into the millions of dollars and is aimed at establishing a five-year research and training program. A decision is due in the first quarter of 2011.

- Dr Merchant undertook research visits to Washington-Seattle and Illinois in December 2010. These visits included guest lectures.
- Dr Merchant will undertake a month-long research visit to partner labs at Washington and Illinois in May 2011, funded by an Australian Academy of Sciences International Science Linkages Program grant valued at \$9,500.
- Research outputs in climate adaptation of urban plants (collaboration with the University of Washington) and improving legume resilience to water availability via non-transgenic technologies (University of Sydney).
- Sydney is working with WUN to develop a website to promote student and academic exchanges between institutions participating in the Plant Systems Research Network.
- Dr Merchant is developing research and funding links with the US Department of Agriculture.

IPDF funding: IPDF 2009, \$15,000.

WUN funding: WUN Grant 2008, US\$30,000; WUN RDF Grant 2009, £10,000 (named partner).

WUN POST-CONFLICT RECOVERY NETWORK

Partners: University of Bergen, University of Wisconsin-Madison, **University of York**.

WUN+ Partners: ANU, Jordan Regional Human Security Centre, University College London.

Principal: Professor Michael Humphrey, Faculty of Arts.

Description: Post-conflict re-construction has, in the past two decades, emerged as a critical humanitarian and diplomatic issue. This network will bring together academics, practitioners, governments and NGOs to examine the governance of reconstruction and the measurement, evaluation and assessment of reconstruction in promoting stability.

Highlights

- Professor Sultan Barakat from York visited Sydney on a research visit in August 2010.
- Professor Humphrey was named on a Leverhulme funding submission. The application was unsuccessful.
- Professor Humphrey submitted an ARC application, with international collaborators named. The application was unsuccessful.

WUN REMEDIE – SOCIAL IMPACTS OF REGENERATIVE MEDICINE

Partners: University of Bristol, University of Sheffield, University of Sydney, **University of York**, University of Wisconsin-Madison.

WUN+ Partners: Imperial College London, University of Vienna.

Principal: Professor Catherine Waldby, Faculty of Arts.

Description: Examines the socio-economic, political and bioethical implications for Europe of near-term and future global developments in the field of regenerative medicine.

Highlights

- Professor Waldby co-authored the paper *Stem cell-based clinical trials* presented to the symposium *Beyond the Embryo: Transnational, Transdisciplinary and Translational Perspectives on Stem Cell Research* hosted by the Brocher Foundation in Geneva in November 2009.
- Professor Waldby provided the keynote address to the 2010 international project meeting hosted by Madison in June 2010.
- A PhD student from the University of Leeds spent three months from June to September 2010 under Professor Waldby's host supervision as part of the WUN Researcher Mobility Program.
- Professor Waldby co-authored a research paper, *Clinical trials in regenerative medicine: stem cell heterogeneity and the disciplining of ectopic life*, with Professor Andrew Webster, for submission to the journal *Biosocieties*.
- The network secured a €1.54 million grant from COST in July 2010 for the project *Bio-objects and their boundaries: governing matters at the intersection of*

society, politics and science. This will provide funding for the research mobility of Professor Waldby.

- Professor Waldby was awarded a prestigious Future Fellowship in November 2010. She acknowledges the role her work in this network has played in contributing to this success.
- Professor Waldby will participate in an international workshop hosted by Bristol in April 2010.

IPDF funding: IPDF 2009, \$8,950; IPDF 2011, \$17,000.

EU funding: Sydney is named in a €1.3 million FP7 grant administered by the University of York.

Sydney is named in a €1.54 million European Cooperation in the field of Scientific and Technical Research (COST) Action.

WUN SHAPING HEALTH SYSTEMS

Partners: University of Bergen, University of Cape Town, **University of Leeds**, Nanjing University, University of Sydney, University of Wisconsin-Madison.

Principals: Professor Stephanie Short and Dr Kirsten Harley, Faculty of Health Sciences.

Description: A global network of leading academics, health managers and professionals, community leaders, social activists and organisational change experts who collaborate around health management, governance and innovation. The network brings together thought and practice leaders from across the globe to improve health systems and outcomes in local and international contexts.

Highlights

- Sydney participated in the inaugural international conference in Bangkok in March 2010.
- This collaboration connects with the University of Sydney-led HealthGov, an ARC-funded Australian health governance research network convened by Professor Short.
- Professor Short and Dr Harley met with Professor Kirkpatrick (Leeds) at the International Sociological Association World Congress in Gothenberg in July 2010 to develop proposals for the April 2011 workshop.
- Sydney will host the next international workshop, focusing on primary health care governance in

Indonesia, with the University of Indonesia in Bali in April 2011.

- Sydney led a funding submission to the WUN Research Development Fund valued at £14,000. Outcome expected in January 2011.

IPDF funding: IPDF 2011, \$10,000.

WUN SKILLED MIGRATION AND GLOBAL ENGLISH

Partners: University of Bristol, University of Cape Town, University of Leeds, **Penn State University**, University of Sydney, University of Wisconsin-Madison, University of York.

Principal: Dr Ahmar Mahboob, Faculty of Arts.

Description: Skilled migrants have come into prominence recently as they present a new approach to socio-economic development among less developed countries.

This multidisciplinary research network examines the role of language in skilled migration flows and how much English proficiency is linked to success. The US, UK and African network partners focus on African diaspora, while the University of Sydney will focus on South and South East Asian diasporas.

Highlights

- Sydney was named on a successful funding submission to the WUN Research Development Fund led by Penn State valued at £12,104.
- Sydney participated in an international workshop hosted by Penn State in April 2010.
- Sydney-area field studies and population surveys, which will feed into the project, have commenced.
- Sydney participated in the 2nd international workshop hosted by Penn State in December 2010.
- Articulated plans for a journal article, policy report and external funding applications.

IPDF funding: IPDF 2010, \$2,150.

WUN funding: WUN RDF Grant 2009, £12,104 (named partner).

WUN SOCIAL EXCLUSION ACROSS CULTURES

Partners: **University of Sydney**, University of Wisconsin-Madison.

Principals: Dr Lisa Zadro and Dr Karen Gonsalkorale, School of Psychology.

Description: This groundbreaking collaboration is the first cross-national (US-Australia) experimental investigation into racial violence arising from social rejection by ethnic outgroups. The project's findings will inform strategies to ameliorate these negative effects.

Highlights

- Dr Zadro spent two weeks on a research visit at Wisconsin in July 2010.
- Dr Zadro and Dr Gonsalkorale, together with their Wisconsin counterpart, Dr Patricia Devine were successful in securing an ARC grant valued at \$250,000 over three years.
- Dr Devine from Wisconsin will visit Sydney in March 2011 to undertake joint research and present a seminar and workshop.

IPDF funding: IPDF 2010, \$14,000.

WUN SPINTRONICS NETWORK

Partners: University of Bristol, University of Leeds, Nanjing University, Penn State University, University of Sheffield, University of Southampton, University of Sydney, **University of York**, Zhejiang University.

WUN+ Partners: UC Santa Barbara, University of Illinois, Tohoku University.

Principals: Professor Simon Ringer and Dr Rongkun Zheng, Australian Centre for Microscopy & Microanalysis, Faculty of Science.

Description: International collaboration researching a new generation of technologies that will be smaller, more efficient, more versatile and more robust through exploiting the spin of an electron in addition to its charge. Spintronics is cutting-edge nanotechnology and is important both to fundamental research and industrial application.

Highlights

- Research breakthrough in understanding spintronic materials in collaboration with Tohoku University.
- A total of six research publications have been co-written by Dr Zheng et al and published as a result of this collaboration.
- A total of five conference papers have been written and presented by Dr Zheng et al as a result of this collaboration.
- Sydney submitted an application to DIISR valued at \$450,000. Pending outcome in June 2011.
- Dr Zheng attended the WUNSPIN10 Conference hosted by the University of Illinois in June 2010.
- In large part resulting from this collaboration and the research links developed through it with Nanjing, Sydney hosted a successful symposium on Spintronics at the Shanghai World Expo in June 2010. Strong participation by the Chinese thought leaders in this area, which is a great priority in the Chinese nanotechnology roadmap.
- In July 2010, Sydney was awarded the rights to host the prestigious 2012 International WUN Spintronics Conference. The event will take place in August 2012.

IPDF funding: IPDF 2008, \$10,000; IPDF 2011, \$20,000.

WUN WATER NETWORK

Partners: University of Bristol, **University of Leeds**, Nanjing University, University of Sheffield, University of Sydney, University of Western Australia, University of York, Zhejiang University.

Principals: Dr Willem Vervoort and Dr Tihomir Ancey, Faculty of Agriculture, Food & Natural Resources.

Description: This emerging WUN collaboration evaluates the social, economic and environmental effect of climate change on water resources in upper and middle income countries and impacts on global water governance. Through the development of new tools and interdisciplinary techniques, the project addresses the major issues that cut across natural, social and political science disciplines.

Highlights

- This is an embryonic WUN research collaboration that has been initiated by Leeds with considerable financial backing.
- Sydney was named on a successful funding submission to the WUN Research Development Fund led by UWA valued at £4,963. The grant will assist the Sydney to both host and participate in meetings that further develop the international research collaboration throughout 2010.

WUN funding: WUN RDF Grant 2009, £4,963 (named partner).

WUN WEATHERING CONSORTIUM

Partners: University of Bristol, **Penn State University**, University of Sheffield, University of Sydney.

Principal: Dr Willem Vervoort, Faculty of Agriculture, Food & Natural Resources.

Description: Weathering is the environmental process by which the earth's bedrock is broken down to create soil. This is crucial to the long term sustainability of soil which is under threat from environmental change and human pressures from food production and expanding cities. This consortium links key international teams in this field and establishes weathering science as a major priority for soil research in the US, UK and EU.

Highlights

- The collaboration now seeks to expand its geographic and academic spread and to turn its focus to large scale data collection and sharing.
- The consortium is currently preparing funding submissions to the EU FP7, National Science Foundation PIRE Program and the Engineering and Physical Science Research Council (UK).

WUN WHITE SPACES NETWORK

Partners: University of Cape Town, **University of Leeds**, University of Southampton, University of Sydney, University of York.

WUN+ Partners: University of Loughborough, UTS, Massey University, Victoria University (NZ).

Principal: Dr Catriona Elder, Faculty of Arts.

Description: This research network aims to research experiences of racial inequality in institutional contexts across a range of multicultural states. This comparative project uses an innovative whiteness studies approach to explore the implementation of programs that challenge white privilege in a range of spaces (educational institutions, private businesses, public sector organisations and social movements). Several research projects are developing: one explores the concept of diversity as a framing practice for achieving equity in institutional settings, while a second analyses the role of memory in shaping understandings of ethnic and racial equality in different national contexts.

Highlights

- Dr Elder was awarded an Australian Academy of the Humanities International Sciences Linkage travel grant valued at \$4,700 to support her involvement in this collaboration. This grant funded her travel to Leeds in January 2010 to work with network members from around the UK.

- Dr Elder was awarded a \$5,000 grant under the ISS Sydney-Leeds Junior Staff Exchange Program to support her participation in this network.
- Sydney was named on a funding submission to the WUN Research Development Fund led by Leeds valued at £15,000. The application was unsuccessful.
- Dr Elder and colleagues from this collaboration presented a panel session at the ISA World Congress in Goteborg in July 2010. The group also held a project meeting alongside the congress.
- The group is preparing a book to be published in 2011.
- The group has established a postgraduate student arm to develop and mentor the next generation or researchers in this field.
- Sydney participates in a global virtual seminar series.
- Dr Shona Hunter from Leeds spent a month at Sydney undertaking joint research and hosting a joint masterclass with funding from the Leeds-Sydney Junior Staff Exchange Program.
- Dr Elder will host an Australia/NZ regional workshop.
- Dr Elder will undertake a research visit to Leeds in February 2011 and will participate in a European/African regional workshop.
- Sydney will host the international conference in 2011.
- Articulated plans for joint publications, PhD exchange and virtual seminars.
- Actively pursuing a number of alternative funding opportunities.

IPDF funding: IPDF 2010, \$10,000.

WUN WORLD CINEMAS NETWORK

Partners: University of Alberta, **University of Leeds**, University of Sheffield, University of Southampton, University of Sydney, University of York.

WUN+ Partners: University of Copenhagen, Meiji Gakuin University, RMIT.

Principal: Dr Richard Smith, Faculty of Arts.

Description: The World Cinemas Network represents a new orientation in world cinema studies. Cinema is an international, interdisciplinary and intercultural medium that draws eclectically on narrational and aesthetic strategies of all other art forms. This program activates internationally acclaimed film and area studies expertise in WUN to address intra-regional perspectives on transnational film 'scenes' and strategies, with a complementary focus on European and Asian dimensions.

Highlights

- Dr Smith participated in the international workshop hosted by Leeds in May 2010. The workshop resulted in plans for a number of joint publications, workshops and funding applications including EU FP7, ARC Discovery, AHRC, and Leverhulme.
- Dr Smith visited Southampton in May 2010 to discuss collaborative opportunities. An exchange program for postgraduate coursework students in the creative enterprises is planned. The exchange program will be delivered in conjunction with School of International Business, exploring enterprise in the creative industries.
- Dr Smith is collaborating with partners to co-publish the book *Mixed Cinema: Interdisciplinary and Intercultural Approaches to World Cinema*. The manuscript will be delivered in March 2013.
- Sydney hosted an international workshop in December 2010 looking at politics in world cinema and expanded the WUN network to include researchers from across the Sydney Faculty of Arts.
- A team of two researchers and one PhD student from Leeds will visit Sydney to undertake joint research for 4 weeks in June 2011 under the WUN RMP.

IPDF funding: IPDF 2009, \$14,000.

WUN WORLD DEMOCRACY FORUM

Partners: University of Cape Town, University of Sheffield, **University of Sydney**, University of Western Australia, University of Wisconsin-Madison.

Principal/s: Professor Graeme Gill, Faculty of Arts and Professor Murray Print, Faculty of Education and Social Work.

Description: The WUN World Democracy Forum aims to bring together leading scholars and practitioners in democracy and allied fields in an interdisciplinary discourse on all aspects of democracy. Democracy as a political method and as an ideal is central to the advancement of global civilisation.

Highlights

- Sydney leads this international collaboration.
- Sydney secured a grant from the WUN Research Development Fund valued at £10,000.
- Sydney hosted a regional workshop in April 2010.
- Sydney participated in a regional workshop hosted by UWA in April 2010.
- Sydney coordinated the first international conference in Washington DC May 2010 alongside the WUN AGM. The conference included a reception and public lecture at the Australian Embassy hosted by the Australian Ambassador to the US, Kim Beazley.

IPDF funding: IPDF 2009 \$14,000.

WUN funding: WUN Grant 2008 \$2,038; WUN RDF 2009 £10,000.

Dr Andrew Merchant, the University's lead researcher in the WUN Plant Systems Research Network.



EMERGING OR EMBRYONIC WUN RESEARCH COLLABORATIONS EXIST IN:

- Early Life Opportunities for the Prevention of Non-communicable Disease in Developing Countries
- Genetically modified corn
- Global Social Initiative in Ageing
- Health Literacy
- Immigrants, Place and Cross-Cultural Understanding
- International Culture and Exchange
- Renewable Energy.

STUDENT AND ACADEMIC EXCHANGE

WUN manages a successful international Research Mobility Program (RMP), which facilitates a global exchange of ideas and research amongst postgraduate students, early career researchers and established academics.

Inbound

42 RMP awardees have visited since the University of Sydney joined the network. Of these, 21 have been postgraduate students and 21 have been academic staff.

Outbound

The University of Sydney's engagement in the WUN Research Mobility Program falls under the auspices of the International Development Program. As such, visits by academic staff and PhD students to WUN partners are considered an integral component of research engagement and such data is not collated.

Right: Associate Professor Ruth Colagiuri, Sydney's lead representative in the WUN Global Health Justice initiative; far right: students from UWA at the WUN Stimulate forum in the new Law School.



LEADERSHIP AND PROFILE BUILDING

- Professor John Hearn continued his appointment as WUN Chief Executive, leading new initiatives and providing new direction in the development of the network.
- The University of Sydney sent a delegation of 10 university academic and support staff, led by the Deputy Vice-Chancellor (International), to the WUN AGM in Washington DC in May 2010.
- The International Development Manager (Networks) concluded his two-year service as Chair of the WUN Coordinators Group in May 2010.
- The University of Sydney hosted a visit by the Vice-Provost and Associate Vice President of the University of Alberta in April 2010.
- The University of Sydney hosted a visit by a delegation from prospective WUN members, Ludwig-Maximilians University Munich in May 2010.
- The International Development Manager (Networks) visited new member, The University of Auckland in July 2010.

- The University of Sydney hosted a visit by the Pro-Vice-Chancellor of the University of Southampton in August 2010.
- The University of Sydney sent a delegation of four, led by the Deputy Vice-Chancellor (International) to visit WUN partner universities Nanjing and Zhejiang in October 2010.

KEY PRIORITIES FOR 2011

Continue to assess further collaborative opportunities, particularly in the identified WUN Global Challenge areas.

Leverage the international research collaborations developed through WUN to participate in research funding submissions to international and local funding bodies.

Focus on metrics-driven research outputs to quantify the value of WUN activities to the University of Sydney.

ACADEMIC CONSORTIUM 21 (AC21)

Number of members: 21

Date founded: 2000

Date Sydney joined: 2002

Objective: To encourage the further advancement of global cooperation to the benefit of higher education and to contribute to world and regional society.

Annual subscription: US\$5,000

Distinct advantages: A key advantage of AC21 is its strong commitment to university-industry partnerships at the global level. Membership dues in this network are modest.

RESEARCH

Throughout the University there are numerous research collaborations with AC21 partners occurring at the individual academic, department, school and faculty level. There are currently 12 research collaborations with AC21 partner universities that are supported via the International Program Development Fund. In addition to these, AC21 funds a small number of joint research collaborations through the AC21 Special Projects Fund. The University of Sydney is involved in two of these (with the leading institution marked in bold):

AC21 RESEARCH NETWORK ON FOOD SAFETY AFFECTED BY GLOBAL WARMING

Partners: University of Adelaide, Nagoya University, **Nanjing University**, University of Sydney.

Principal/s: Professor Ivan Kennedy, Professor John Crawford and Associate Professor Inakwu Odeh, Faculty of Agriculture, Food and Natural Resources.

Description: Globalisation and the development of modern, high-yield agricultural methods means concerns for developed nations are moving away from food quantity to food quality. The global trade in foodstuffs, means that food safety is no longer a national concern but one which must be coordinated across national boundaries. Recent trends in global food production, processing, distribution and preparation are creating an increasing demand for food safety research. Improving food quality safety is a major concern for the governments of both Australia and China.

Highlights

- The original collaboration spun out to develop a related collaboration focusing on urbanisation on agricultural production and food security in Southeast Asia.
- This led to a second AC21 Special Project Fund Grant being awarded in May 2010 to the value of \$5,000, incorporating a Japanese partner.
- Professor Odeh submitted a funding application to the Asia Pacific Research Network for Global Change Research valued at US\$108,760 in July 2010. The submission proceeded to the 2nd round but was ultimately unsuccessful.
- Professor Odeh conducted a research visit to Nanjing in July 2010.
- The lead academic from Nanjing spent two months at Sydney in late 2010.
- Resulting from the exchanges between Nanjing and Sydney, two manuscripts are in preparation and due for completion in early 2011.

IPDF funding: IPDF 2010, \$10,000.

AC21 funding: Special Project Fund 2009, US\$5,000; Special Project Fund 2010, US\$5,000.

AC21 COLLABORATION ON THE ANTI-TUMOUR POTENTIAL OF IRON CHELATORS IN THE TREATMENT OF COLORECTAL CANCER

Partners: Shanghai Jiao Tong University, University of Strasbourg, **University of Sydney**.

Principal/s: Professor Des Richardson, Faculty of Medicine.

Description: This project unites the expertise of the AC21 partners involved towards the development of a novel treatment for colorectal cancer. Colorectal cancer is the second largest cause of cancer deaths in Australia annually, and the third largest cause of cancer deaths in China. The collaboration will focus around clinical trials, research seminars and exchange of PhD students.

Highlights

- A Sydney PhD student undertook a month-long fellowship at Shanghai Jiao Tong in September 2010.
- Sydney participated in a research symposium hosted by Shanghai Jiao Tong in October 2010. The symposium resulted in the establishment of a joint Sydney-SJTU Cancer Cell Biology Research Laboratory at Shanghai Jiao Tong University, co-headed by Professor Richardson.
- This collaboration led to the appointment of Professor Richardson as a Visiting Professor at Shanghai Jiao Tong University, with SJTU covering the costs of Professor Richardson's travel and accommodation in Shanghai.
- A Shanghai Jiao Tong PhD student will undertake a month-long fellowship at the University of Sydney in January 2011, with support from the Chinese Scholarship Council.

AC21 funding: Special Project Fund 2010, US\$5,000.

STUDENT AND ACADEMIC EXCHANGE

AC21 Student World Forum

The Student World Forum is a biennial event. The last Forum was hosted by Chemnitz University of Technology, Germany in June 2009. The University of Sydney sent three undergraduate students to the Forum. The next Forum will be hosted by Chulalongkorn University, Thailand in May 2011 and will focus on the theme of Sustainable Rural Development. The University of Sydney intends to send two students to attend.

LEADERSHIP AND PROFILE BUILDING

- Professor John Hearn sits on the AC21 Steering Group.
- The International Development Manager (Networks) sits on the editorial board of the AC21 Newsletter.
- The University of Sydney sent a six-person delegation to the 5th AC21 International Forum hosted by Shanghai Jiaotong University in October 2010.

KEY PRIORITIES FOR 2011

Assess the University of Sydney's role in AC21 and the value derived from membership in the network.

ASSOCIATION OF COMMONWEALTH UNIVERSITIES (ACU)

Number of members: 520

Date founded: 1912

Objective: Working with members to promote and contribute to the provision of excellent higher education for the benefit of all people throughout the Commonwealth.

Annual subscription: £4,943

The Association of Commonwealth Universities incorporates many of the leading universities throughout the Commonwealth of nations. The University of Sydney retains its long-standing membership in this association as it provides unique networking opportunities with a vast variety of partners in both developed and developing economies.

LEADERSHIP AND PROFILE BUILDING

Professor Anton McLachlan, Director of International Development, presented a paper at the 2010 ACU Conference of Executive Heads in Cape Town, South Africa in April 2010.

THE ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

The Organisation for Economic Co-operation and Development (OECD) promotes policies to improve the economic and social well-being of people around the world. It provides a forum in which governments can work together to share experiences and seek solutions to common problems and measure productivity and global flows of trade and investment. The size of OECD's budget and its program of work are determined on a two-year basis by member countries. OECD planning, budgeting and management are all organised on a results-based system. Unlike the World Bank or the International Monetary Fund, OECD does not dispense grants or make loans.

Each year, the OECD gathers stakeholders, business CEOs, labour leaders, academics, government ministers and leaders of international organisations in a forum to discuss the most pressing issues on the international agenda. The OECD Forum takes place in conjunction with the annual OECD ministerial summit.

The University of Sydney is a knowledge partner of the OECD Forum. The objectives to be achieved by the University's association with the forum include fostering academic involvement with OECD Work Programmes and Directorates; participation by leading Sydney academics in the forum as speakers on OECD

program themes; the potential to leverage Australian funding from academic involvement with the OECD; contribution to publications and reviews of OECD Directorates; and the opportunity for those involved in work program research to influence international policy. University academics involved with the OECD Forum can engage with key influencers, global decision makers and senior government officials. We aim to position The University of Sydney as a knowledge base for the Asia Pacific region and to increase our visibility and profile by engaging with OECD Directorates.

The University has hosted senior level officials from the OECD at major fora and roundtables involving high-level Australian government representatives. Of note have been the visit of the Secretary General, Angel Gurría, to a public forum on the OECD in the Asia Pacific region; and two visits by the Deputy Secretary General, Aart de Geus, for public fora on the impacts of the GFC and on economic development in the GFC.

Our academics are involved in providing research for the following Directorates of the OECD: Science and Technology, Education, Employment and Migration, Innovation and the Futures Programme (in particular the Bioeconomy 2030 project).

APPENDIX

INTERNATIONAL NETWORK PARTNER UNIVERSITIES



Australia

- Australian National University
- University of Melbourne

Canada

- University of British Columbia

Chile

- University of Chile

China

- Fudan University
- Hong Kong University of Science and Technology
- Nanjing University
- Peking University
- Tsinghua University
- University of Hong Kong
- University of Science and Technology of China
- Zhejiang University

Chinese Taipei

- National Taiwan University

Indonesia

- University of Indonesia

Japan

- Keio University
- Kyoto University
- Osaka University
- Tohoku University
- University of Tokyo
- Waseda University

Korea

- Korea University
- Seoul National University

Malaysia

- University of Malaya

Mexico

- Instituto Tecnológico de Monterrey
- National Autonomous University of Mexico

New Zealand

- University of Auckland

Philippines

- University of the Philippines

Russia

- Far Eastern National University

Singapore

- National University of Singapore

Thailand

- Chulalongkorn University

USA

- California Institute of Technology
- Stanford University
- UC Berkeley
- UC Davis
- UC Irvine
- UC Los Angeles
- UC San Diego
- UC Santa Barbara
- University of Oregon
- University of Southern California (USC)
- University of Washington

Australia

- University of Western Australia

Canada

- University of Alberta

China

- Nanjing University
- Zhejiang University

New Zealand

- University of Auckland

Norway

- University of Bergen

South Africa

- University of Cape Town

UK

- University of Bristol
- University of Leeds
- University of Sheffield
- University of Southampton
- University of York

USA

- Pennsylvania State University
- University of Washington, Seattle
- University of Wisconsin, Madison

Australia

- University of Adelaide

China

- Fudan University
- Huazhong University of Science and Technology
- Jilin University
- Nanjing University
- Northeastern University
- Peking University
- Shanghai Jiao Tong University
- Tongji University

France

- University of Strasbourg

Germany

- University of Freiburg
- Chemnitz University of Technology

Indonesia

- Gadjah Mada University

Japan

- Nagoya University

Laos

- National University of Laos

South Africa

- Stellenbosch University

Thailand

- Chulalongkorn University
- Kasetsart University

USA

- University of Minnesota
- North Carolina State University

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THE UNIVERSITY OF
SYDNEY

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