

# AUSTRALIAN CENTRE FOR AGRICULTURE AND LAW



2014 Annual Report

*During 2014, the Centre progressed its 7 main projects and a number of doctoral theses, collaborating with industry, government and civil society partners and many scholarly collaborators from different countries. The current team is 3 staff researchers, 4 Postdoctoral researchers and an administrator. The Centre's staff supervised 16 doctoral students (from UNE and with other institutions). We have an effective team of adjuncts and collaborators who work closely with us. During the year our funded projects addressed the future of natural resource governance, the control of invasive animals, natural resources conflict, indigenous people's welfare, and research methods to improve natural resource governance, as well as internally funded research.*

## 2014 - A YEAR OF INTERNATIONAL ENGAGEMENT

The Centre is increasingly involved in international initiatives and partnerships. During this year, our international engagements involved China, Brazil, Mongolia, New Zealand, the United States of America, South Africa, Thailand, Bangladesh, Papua New Guinea, the EEC and India. This 2014 report highlights these international dimensions. Many other developments can be seen by visiting our website at [www.une.edu.au/aglaw](http://www.une.edu.au/aglaw)

### **China - the governance of food systems**

In May 2014 the University of New England, School of Law co-hosted an international conference in China with the Beijing Foreign Studies University (BFSU) on 'The Governance Challenges of Food Systems'. Capitalising on UNE's expertise in agricultural law, environmental law and food security, the conference focussed on sustainability and food production at an international level.

Conference organiser and Deputy Director of UNE's AgLaw Centre, Dr Amanda Kennedy, said that the expertise of the conference attendees made for an extremely productive event. "The speakers and contributors at the conference were very international, and included representatives from government and non-governmental organisations, as well as a range of leading experts and academics from BFSU, UNE and elsewhere," Dr Kennedy said.

"Among the topics discussed in depth were food consumption, equitable distribution and supply, food safety, the environmental factors of feeding populations, and the challenges that exist in maintaining efficient food systems. The risks of modern-day technologies and how they might be governed was also addressed, as were human rights in global food governance.

"Obviously these are some of the major questions of our times, and discussing them in the backyard of the world's largest consumer, China, made the conversation all the more relevant.



Participants of the Governance Challenges of Food Systems Conference in Beijing

"The world population is increasing at such a rapid rate that we need to reassess everything we know about food production and consumption.

"The participants of the conference examined these challenges and the possibilities for legal reform, with the ultimate goal of creating a world food system that is more efficient in meeting people's needs, does less harm to the earth, and is far more fair than present systems."

The conference was opened by Head of UNE School of Law, Professor Michael Stuckey, and the Dean of BFSU, Professor Meng Wan. A welcoming address was made by the Deputy Head of Mission at the

Australian Embassy in China, Mr Justin Hayhurst, who discussed the importance of the relationship between China and Australia.

UNE and BFSU have signed a Memorandum of Understanding. This conference paves the way for a broader f academic partnership. More information on the areas of discussion, and photographs can be found at the website of the *Governance Challenges of Food Systems Conference*: [www.foodsystemsgovernance.com](http://www.foodsystemsgovernance.com)

### **From Mongolia to Shanghai**

In September 2014 the School of Law, UNE's AgLaw Centre, and UNE's School of Environmental and Rural Sciences, co-hosted a conference in Ulaanbaatar, Mongolia, with local partners, the Law School at the National University of Mongolia and the Mongolian University of Life Sciences. Entitled 'Education and Research Opportunities in Environmental Science, Law and Policy'; the speakers from UNE, Professor Paul Martin, Professor Iain Young, Dr Amanda Kennedy and Professor Michael Stuckey addressed more than 50 academics, students and stakeholders from business and government. Earlier, Professors Stuckey and Young publicised the event on local television (translated into Mongolian).

Professor Stuckey, while in Ulaanbaatar, met Mr Batzandan Jalbasuren (Member of the State Great Hural) to discuss educational possibilities for Mongolian legislators in environmental law and governance.



Head of the School of Law, Professor Michael Stuckey and Professor Iain Young from Environmental and Rural Science being interviewed on Mongolian TV

From Mongolia, Law colleagues proceeded to other engagements in China. Dr Kennedy presented papers at Shanghai University Law School and at the Faculty of Law at the Shanghai University of Finance and Economics. Professor Stuckey concluded an MOU and Staff and Student Exchange Agreement with the Law School at Beijing Foreign Studies University, before travelling on to Hangzhou where he spoke at the 4th Sino-Australian Law Deans' Conference hosted by the Guanghua Law School at Zhejiang University.

### **Germany - the effectiveness of environmental law**

At RIO+20 the international community recognised that the focus for environmental law needs to be on improving effectiveness, rather than new legal instruments. This priority has been adopted by the United Nations Environment Programme (UNEP), the International Union for the Conservation of Nature (IUCN) and the Organisation of American States (OAS). During 2014 a method for the evaluation of the effectiveness of environment law was developed by Professor Paul Martin from the Australian Centre for Agriculture and Law, at the request of the IUCN World Commission for Environmental Law and the IUCN Environmental Law Centre. A *Draft Discussion Paper: Developing a Structure for a Legal Component for the IUCN Natural Resource Governance Framework*, IUCN Environmental Law Centre and the World Commission on Environmental Law, was issued on July 14 2014 for trial implementation and evaluation.

Teams from Australia, China, Brazil, South Africa and New Zealand have implemented this method in studies of the effectiveness of principles of environmental law in their own countries. Each team evaluated a specific principle and a particular environmental governance issue. Professor Martin provided guidance for all of the teams.

In early November a workshop in Bonn, Germany, at the IUCN Environmental Law Centre, allowed the various teams to report preliminary findings on the validity of the methodology, and their findings about effectiveness. The results were very positive. The approach clearly demonstrated the ability to use a scientifically disciplined approach, without the necessity for in-depth training. "What was exciting was that the approach generated important insights into how to improve the effectiveness of the legal instruments. The insights from this experimental use of our method were more sophisticated than those that usually emerge from discussions of environmental governance. I anticipate that the law reform strategies from such an approach would be more comprehensive than from a conventional doctrinal or economic evaluation" said Professor Martin.



IUCN Environmental Law Centre Evaluation project workshop celebratory dinner in Bonn, Germany

In early 2015 the results of this work will be published. It is planned that this will lead to further investigations, and more widespread use (and further development) of the methodology.

### **USA - community-led natural resource governance**

The AgLaw Centre leads a 5 year research program for the Invasive Animals Cooperative Research Centre. This is focused on improving the behavioral and institutional aspects of invasive species management. During 2014 partnerships were formed with partners including Qld Biosecurity, Victorian DEPI, Western Australian DAF, Tasmania DEPI, NSW DPI and other agencies; and non-government collaborators including Queensland Murray Darling Committee, the Invasive Species Council, and Meat and Livestock Australia. Our academic collaborators include teams from Penn State University, Griffith University, Sam Houston University and Cornell University.

The Program now involves six doctoral candidates, and 3 postdoctoral researchers, one contractor and other experts who are collaborating with the team. During May and June there were exciting developments in our collaboration with 3 major US universities on issues of community action in natural resource governance. A team of US specialists spent time with UNE and other colleagues investigating improvements to motivational and support arrangements and associated institutions. UNE and Penn State University also signed a Memorandum of Understanding to advance their existing partnership within the AgLaw Centre's ARC project on 'Next Generation Landscape Governance' and the Invasive Animals CRC projects on 'Facilitating Effective Community Action'.

Our USA collaboration now involves Sam Houston University and Cornell University, with a particular emphasis on reforms that will motivate and enable citizens to take action on the control of harmful species like wild dogs,



Penn State rural engagement specialists - Bill Shuffstall and Walt Whitmer with Professor Paul Curtis (Cornell University) and Michael Fortunato (Sam Houston University and Harley West from QMDC at Stanthorpe)

rabbits, cats and pigs. Included in this research is work on reforming legal and institutional arrangements to remove impediments and strengthen supports for citizen action.

### **Turkey – Organic farming**

PhD student, Andrew Lawson won a scholarship to the 18th IFOAM Organic World Congress Istanbul, Turkey, October 2014. Around 1,000 delegates from 81 countries, including farmers, agronomists, traders, certifiers,



Congress participants - left to right: Vital Panyakul (Green Net, Thailand; alumni of UNE), Andrew Lawson (UNE), Liz Clay (Organic Trust Australia), Gerald Herrmann (Organic Services, Germany; former IFOAM president), Ann-Helen Meyer von Bremen (Uttryck, Sweden) and Gunnar Rundgren (Grolink, Sweden; former IFOAM president)

researchers, thinkers, and activists participated in nearly 100 conference sessions and workshops. Istanbul is home to more than 14 million people, the capital of ancient empires, and a trend-setter for a country experiencing the excitements and shortcomings of rapid development.

Andrew was a panellist on the 'Institution Building' session. He also addressed questions related to this PhD research (supported by Australian Organic, one of Australia's organic certification organisations). He discussed major sustainability initiatives, their characteristics, and their implications for the organic movement. He contrasted the perspectives from his doctoral research with ideas within the organic movement.

### **Spain - IUCN Academy of Environmental Law**

Members of the AgLaw team attended the 12th annual colloquium of the IUCN Academy of Environmental Law 'Energy for a Fair Society in a Safe Planet' 30<sup>th</sup> June to the 5<sup>th</sup> July 2014 in Tarragon, Spain.

Dr Elodie LeGal (a postdoctoral researcher within the Invasive Animal CRC program) presented a paper 'Using social science perspectives on risk to implement environmental justice analysis'. Elodie also presented a paper 'Incorporating behavioural sciences into legal scholarship to improve national water governance systems' at the online Interdisciplinary Water Congress, organised by the Universidade de Vigo in Spain (2<sup>nd</sup> to the 6<sup>th</sup> June 2014).

The Colloquium provided the opportunity for Hitelai Polume, a PhD candidate, to discuss with colleagues from a number of countries, issues of natural resource governance in Papua New Guinea. Papers were also presented by Drs. Amanda Kennedy and Jacqueline Williams on 'Good governance for sustainable energy development: An Australian case study'. Their paper explored current mining versus agriculture land use conflict in the Namoi region, examining State and Federal regulatory frameworks and identifying how the law has behaved as an "actor" in this conflict.

Professor Martin co-presented a special event on wine and the law with Prof. Dr. Fernando Zamora, Head of the Experimental Cellar, Enology Faculty, Universitat Rovira i Virgili, Spain. Prof Zamora is a Member of the Committee



Hitelai Pohlume, PhD candidate presenting on resource governance in Papua New Guinea

on Enology, International Organisation of Vine and Wine (IOV). Paul also participated as a member of the Research Committee of the IUCN Academy of Environmental Law Research Committee.

Dr Williams and Professor Martin participated in the Global Network for Human Rights and the Environment Symposium 'Reimagining 'humanity' in the nexus between human rights and the environment'. A paper by Jacqueline Williams, Johnnie Aseron (from UNE's Ooral Centre) and Professor Neyooxet Greymorning (University of Montana) was presented on 'Decolonising Environmental Law'. This research was also presented in Hannover at the International Symposium on Society and Resource Management (ISSRM): 'Challenges of Rural and Urban Transformation' as 'Innovative Collaboration, Inclusive Practices Governance and Recognising Cultural Capital: Sharing North American and Australian Experiences. They led a workshop that explored the ideas that define NRM ecological, economic and social impacts to First Nations Peoples and Agrarian Communities, sharing Australian and North American experiences.



AgLaw team members - Amanda Kennedy, Paul Martin, Jacqueline Williams and Elodie Le Gal, at the IUCN Colloquium

### **Community engagement and democracy**

In July Tanya Howard, PhD candidate, was invited to participate in an international workshop run by the philanthropic research centre the Kettering Foundation. Based in Dayton, Ohio, the Kettering Foundation organises research exchanges that connect grass roots practitioners with researchers and policy makers to promote deliberative techniques for communicating about complex issues. The foundation's research question is 'What does it take to make democracy work as it should?' Tanya's research focus on improving community engagement in natural resource governance was enhanced by workshop sessions that brought together participants from A (Angola) through to Z (Zambia) to reflect on local and global drivers for democratic change.



Workshop participants at the Kettering Foundation's 'Doing Democracy Better' research exchange 2014

Tanya also presented a paper at the 20th International Symposium on Society and Research Management (ISSRM) in Hannover, Germany. Her paper was entitled 'Giving the community a blank cheque: case studies of community engagement in natural resource governance'. It provided early results from case studies of environmental governance mechanisms under the NSW Planning Act, and the Draft Wind Farm guidelines. The discussion focused on conflict and planning for renewable energy in much more crowded landscapes, raised questions about what kind of land uses Australian rural communities expect, and find acceptable.

### **The E.C. Institute for Environment and Sustainability**

During the year Dr Jacqueline Williams visited the EC Institute for Environment and Sustainability in Ispra, Italy during June to discuss collaborative research on the EC Common Agricultural Policy (CAP) and Good Agricultural & Environmental Condition. Jacqueline also presented research on Soils and Regional NRM Governance in Australia. Dr Williams also attended the EC 'Land as a Resource' Conference in Brussels as a preliminary to a new EC directive on 'Land as a Resource'. For details see [http://ec.europa.eu/environment/land\\_use/conference\\_en.htm](http://ec.europa.eu/environment/land_use/conference_en.htm)



Lester Brown, founder of World Watch Institute and the Earth Policy Institute, was one of the keynote speakers at the Brussels Conference

## **RESEARCH PROJECTS**

### **Indigenous people's research**

*Post Doctoral Fellow – Dr Mark Shephard*

The UNE Seeds and Cultural Interests Colloquium was run during June 2014. This brought indigenous and non-indigenous speakers and observers from seed bank and other scientific institutions together to discuss the challenges of traditional knowledge and seed bank practices. Findings from the colloquium have been published by the CRCREP in 2014 as Working Paper CW018. Speaker presentations and findings of the colloquium will be published as a special issue of the International Journal of Rural Law and Policy during 2015. The Seeds and Cultural Interest project was selected as a paper for presentation to the 2nd Indigenous Knowledge Forum held at UTS Law School in Sydney during November 2014, and for publication as a book chapter. The Council of Heads of Australian Botanic Gardens has agreed that the Australian Seed Bank Partnership will collaborate with the UNE Seeds and Cultural Interests Project to strengthen protocols for the management of traditional knowledge in seed bank activities.

### **Next Generation Governance**

*ARC Linkage project on the next generation of rural landscape governance, led by Jacqueline Williams and Paul Martin*

The research team has been finalising data collection from case study regions around Australia, researching co-regulation, transaction costs, effective community engagement, social justice and behaviourally effective law. Synthesis of the research themes is now underway. The integrated policy options for the next generation rural landscape governance for Australia are to be published by mid 2015. A scoping paper exploring policy options for the future was developed in August 2014 and workshopped with the National Landcare Network in Melbourne prior to the National Landcare Conference in September, where preliminary results were presented. The next iteration of this research is also being explored in discussions with potential partners and collaborators. Publications began to flow in 2014 with expectations of a high number of publications in 2015.

Associated with this project was an evaluation of a voluntary environmental certification scheme for farmers called Certified Land Management (CLM), carried out by Andrew Lawson and Paul Martin. The evaluation was commissioned by the Australian Land Management Group (ALMG), which operates the CLM program, as a part of ALMG's project on removing constraints to improving biodiversity conservation on farms, funded by the Australian Government's Biodiversity Fund. The five broad findings of the evaluation were: (1) CLM has design features that

make it more likely participant landholders will deliver improved environmental and animal welfare outcomes. (2) CLM landholders perceive the expectations of outside stakeholders (such as government, and environmental and animal welfare groups) as legitimate. (3) CLM landholders are proactive and future-oriented. (4) CLM landholders are receptive to interactions with external stakeholders such as governments and environmental and animal welfare NGOs and are they willing to expose their operations to some level of outside scrutiny. (5) CLM landholders believe that CLM was helping them achieve outcomes beneficial to the public interest.

### **DECRA**

Dr Amanda Kennedy continued this year with research on land use conflict, funded by an Australian Research Council DECRA grant. Dr Kennedy has been engaged in field work throughout the year, and has presented her preliminary research findings at international conferences. These include: the IUCN Academy of Environmental Law Annual Colloquium, the Global Network for the Study of Human Rights and the Environment Symposium on 'Reimagining "Humanity" in the Nexus Between Human Rights and the Environment', and 'Governance Challenges of Food Systems: An International Conference on Food Security, Sustainability and the Law'. She also presented her research at research seminars in Australia. Dr Kennedy published one book chapter and one journal article in early 2014. A further book chapter and two journal articles are under review for publication in early 2015. Dr Kennedy is also working on a book exploring explore case studies in land use conflict from the perspective of environmental justice.

### **Invasive Animals CRC Project 4E2 – 'Triggers for Effective Action' – part of IA CRC Program 4 led by Prof Paul Martin**

Professor Don Hine continued to lead IA CRC Project 4E2 where behavioural science is applied to develop behaviourally effective communications to trigger action by private citizens. The team includes Dr Patty Please (postdoctoral researcher), Lynette McLeod (PhD), Bernadette York (Prof Doc) and Aaron Driver (Consultant and PhD). A few of the highlights include: completion of a practical behaviourally effective communications guide for invasive animal management; the completion of a communications audit of the PestSmart website; progress in two Community-Based Social Marketing projects - one focussing on cat management in Tasmania and one focussing on periurban wild dogs management at the Gold Coast, Queensland; and completion of a media content analysis on wild dogs and dingoes.

### **PRIZES AND CELEBRATIONS**

During the year there were many causes for celebration, for research students and staff.



**Dr Wanida Phromlah** received her PhD for the thesis *Feasible Reforms for Thailand's Forest Governance System* supervised by Professor Paul Martin, Dr Amanda Kennedy, Dr Jacqueline William, and Dr Miriam Verbeek. Wanida's research on forest resource governance in Thailand evaluates feasible reform directions for forest governance in Thailand. The thesis focuses upon ten feasible recommendations, together with possible implementation actions, to improve Thailand's forest governance system. Dr Phromlah has returned to university lecturing in Thailand.



**Dr Nazrul Islam's** thesis was entitled *'Can Reflexive Governance deliver Integrated Water Resources Management outcomes in Bangladesh?'* This thesis was based upon an in-depth case study, surveys and interviews concerning Bangladesh water policy and governance and a comparative water policy analysis of India and Australia. Dr Islam has recently taken up the role of Charge D'Affairs at



the Bangladesh Embassy in Beirut Lebanon.

Prizes were awarded to **Dr Amanda Kennedy** (Citation for Excellence and Innovation in the Teaching of the Law) and **Dr Mark Shephard** who, with Associate Professor Bettina Lange from the Centre for Socio-Legal Studies at the University of Oxford, has been awarded the inaugural Annual Richard Macrory Prize for the best article in the *Journal of Environmental Law* in 2014. The article – ‘Changing Conceptions of Rights to Water? An Eco-Socio-Legal Perspective’, *J Environmental Law* (2014) 26 (2): 215-242 - concerns stewardship and conceptions of water rights. The research was funded by the British Academy.

### PHD STUDENT HIGHLIGHTS

**Andrew Lawson** (1) Joint author with Prof. Paul Martin of a publication 'Voluntary Measures and Environmental Law' – a summary of key literature for the IUCN Academy of Environmental Law's series, 'Essential Readings in Environmental Law' ([www.iucnael.org](http://www.iucnael.org)). (2) Presentation with Prof. Paul Martin of results of the CLM evaluation at the *Symposium on Innovation in Natural Resource and Animal Welfare*, Brisbane 11 June 2014, organized by the Australian Land Management Group. (3) Panelist at the Organic World Congress, Istanbul Turkey, 13-15 October 2014, in a session called *Institution Building: Organic Agriculture in the landscape of sustainability initiatives*. Attendance at the congress was made possible with the generous support of the AgLaw Centre, and Organic Trust Australia – Research and Education (OTA-RE) through its Organic Research Travel Grant. (4) Joint author with Dr Cameron Holley, UNSW of a chapter on collaborative governance for a book (pending) on implementing environmental law, edited by Prof. Paul Martin and Dr Amanda Kennedy.

**Tanya Howard** visited Narrabri in May 2014 to take part in the Cotton Research and Development Corporation's (CRDC) post-graduate industry tour. Along with other students from all over Australia, Tanya visited a family owned cotton farm, a large corporate cotton farm, saw a cotton gin and classing operation in action, and heard from seed distributors, growers, agricultural suppliers and scientific researchers about the successes and challenges of the cotton industry.

The tour provided a first hand experience of the industry and gave students a chance to ask questions from people involved at almost every stage of the production cycle.

The cotton industry invests heavily in research and development, and is proud of its reputation as early adopters of new technology and seed and pesticide improvements. Of interest to the AgLaw Centre is how cotton farmers interact with the regulatory framework and the adoption of the industry standard, My BMP (best management practice). Changing climactic conditions and competition for resources such as water are factors that will characterize the future of R&D in cotton growing areas.



Tanya Howard (third from left) in Narrabri for CRDC post-graduate industry tour

**Kylie Lingard** received a scholarship to attend the Indigenous Studies Summer program, hosted by the Centre for Race and Ethnicity at Columbia University, New York. The program ran from 27 May 2014 – 7 June 2014, and included interdisciplinary academics and practitioners from over 30 countries. Program venues included Columbia University, United Nations, and tribal courts and councils in upper New York State.

The program provided an overview and analysis of the major questions in Indigenous affairs today, as they have emerged globally in the last decades. The program incorporated lectures and workshops on the most recent and innovative academic research and policy debates on Indigenous peoples' issues. Kylie presented a paper on *Aboriginal and Torres Strait Islander people's interests in the commercial development of Australian native plants*. The presentation is available at [http://www.slideshare.net/Ninti\\_One/lingard-k-aboriginaltorresstraitislanderinterestscommercialisationnativeplantsissp2014](http://www.slideshare.net/Ninti_One/lingard-k-aboriginaltorresstraitislanderinterestscommercialisationnativeplantsissp2014)



Indigenous study group, New York

## ADJUNCT HIGHLIGHTS

### Theodore Alter

This past March, Penn State University Professor Ted Alter visited the Victorian Department of Environment and Primary Industries (DEPI) in his role as a leader in the Community Engagement Program of the Invasive Animals Cooperative Research Centre (IACRC). Alter participated in a high visibility panel of community and government leaders, organized by National Rabbit Facilitator (NRF) Lisa Adams to discuss community engagement for rabbit management in Victoria. He also participated in the launch of the NRF's two Learning Groups, which were co-designed with IACRC post-doctoral researcher Lyndal Thompson, as well as Penn State Extension Educators Bill Shuffstall and Walt Whitmer.

In May 2014 Alter, along with Darren Marshall from the Queensland Murray Darling Committee (QMDC), travelled to Sam Houston State University (SHSU) in Texas to meet with SHSU Professor Michael Fortunato. Along with other collaborators at SHSU, the team developed a US-based research project focused on the human dimensions of feral pig control, to parallel the IACRC Community-led action project in Australia. Subsequently, Fortunato presented an abstract at the 2014 Australasian Vertebrate Pest Conference (AVPC), held in Brisbane, titled "The Human Dimensions of Invasive Vertebrate Pest Control: Innovating for Effective Community-Wide Action."

## PUBLICATIONS

### In press

- **Paul Martin, Amanda Kennedy**, du Plessis, W., Daya-Winterbottom, T., and Bigdeli, S. (eds.), *The Search for Environmental Justice*, Edward Elgar Publishing (forthcoming 2015)
- **Paul Martin and Amanda Kennedy** (eds.), *Meeting the Implementation Challenge of Natural Resource Governance*, Edward Elgar Publishing (forthcoming 2015)
- **Paul Martin and Amanda Kennedy**, 'Intra-national rivalries: A submerged aspect of transboundary water governance' in 'Trans-Jurisdictional Water Governance', Gray, J., and Holley, C. (eds.), Cambridge University Press (forthcoming 2015)
- **Amanda Kennedy**, 'Environmental Justice and Land Use Conflict: The governance of mineral and gas resource development', Routledge: Earthscan Studies in Natural Resource Management (book in preparation 2015)
- **Elodie Le Gal**, 'Climate Change, Invasive Species Law and Agriculture' (Edward Elgar, in preparation)
- **Jonathon Liljeblad and Amanda Kennedy**, 'Food Systems Governance: Challenges for Justice, Equality and Human Rights', Routledge (edited book forthcoming 2015).

- **Jacqueline Williams**, 2015 *'Soils Governance in Australia: challenges of cooperative federalism'*, International Journal of Rural Law and Policy Issue 1, 2015
- **Amanda Kennedy**, 'Conflict Over Rural Resources' in Research Handbook on Climate and Agricultural Law, Angelo, M.J., and du Plessis, A. (eds.), Edward Elgar Publishing (forthcoming 2015)
- **Tanya Howard**, *'From international principles to local practices: a socio-legal framing of public participation research'*, accepted for publication in the international journal 'Environment, Development and Sustainability' ([DOI](https://doi.org/10.1007/s10668-014-9572-3)) [10.1007/s10668-014-9572-3](https://doi.org/10.1007/s10668-014-9572-3)
- Solange Teles da Silva and **Tanya Howard**, *'Implementation of legal obligations to consult: Australia and Brazil'*. Chapter accepted for a book on *'Implementation of Environmental Law'*, edited by **Paul Martin** and **Amanda Kennedy**
- **Tanya Howard**, *'The rules of engagement: A socio-legal framework for improving community engagement in natural resource governance'*, accepted for publication in the Oñati Socio-legal Series <http://opo.iisj.net/>
- **Tanya Howard**, 'Olive branches and idiot's guide: frameworks for community engagement in Australian wind farm development', invited to re-submit addressing reviewer comments, Energy Policy Journal
- **Tanya Howard**, 'The Iceland Workshop: Aspects to Consider in the Planning and Facilitation of Cross-Disciplinary Research'. International Journal of Rural Law and Policy (co-author with **Andrew Lawson**)
- **Amanda Kennedy** and Kai Schafft, 'Taking Away David's Sling': Environmental Justice and the Role of the Law in Land Use Conflicts Over Natural Resource Extraction', journal article currently under review.
- **Amanda Kennedy**, 'A Case of Place: The Concept of 'Solastalgia' at Law', journal article currently under review.
- **Grant Pink** and **Robyn Bartel**, *'Regulator Networks: Collaborative Agency Approaches to the Implementation and Enforcement of Environmental Law'*. Chapter accepted for a book on 'Implementation of Environmental Law', edited by **Paul Martin** and **Amanda Kennedy** (Edward Elgar)
- **Grant Pink**, *'Environmental Enforcement Networks: Theory, Practice and Potential'*, Chapter 1 in Environmental Enforcement Networks: Concepts, Implementation and Effectiveness. Edited by Michael Faure, Peter de Smedt and An Stas (Edward Elgar)
- **Grant Pink** and James Lehane, *'Evaluating and assessing environmental enforcement networks: through use of the network evaluation matrix'*, Chapter 5 in Environmental Enforcement Networks: Concepts, Implementation and Effectiveness. Edited by Michael Faure, Peter de Smedt and An Stas (Edward Elgar)
- **Grant Pink**, *'Environmental Enforcement Networks: Their 'value proposition' during times of reducing resources and budgets'*, Chapter 7 in Environmental Enforcement Networks: Concepts, Implementation and Effectiveness. Edited by Michael Faure, Peter de Smedt and An Stas (Edward Elgar)
- **Donald Hine, Patricia Please, Lynette McLeod & A Driver** (Final Draft submitted to IACRC for publication). *'Behaviourally Effective Communications for Invasive Animals Management: A Practical Guide'*, IA CRC, Canberra
- **Lynette McLeod, Donald Hine, Patricia Please & A Driver**, (submitted Jan 2015), *'Embedding Behavioural Theory onto Invasive Animals Management'*, Submitted to Journal of Environmental Management

### **Book Chapters**

- Johnnie Aseron, **Jacqueline Williams** and Neyooxet Greymorning 2014, *'Inclusive Practices, Innovative Collaboration, Governance and Recognising Cultural Capital: Environmental Law through a Cultural Lens'*, 11th Colloquium Proceedings of the IUCN Environmental Law Academy (Edward Elgar, Cheltenham)
- **Jacqueline Williams** and **Paul Martin** (2014) *'Developing Law and Governance Strategies for Peri-urban Sustainability'*, in Urbanisation of Peri-urban Regions: Challenges and Opportunities for Security of Water, Food and Liveability of Future Cities, Springer Science, Netherlands

- **Ian Hannam**, 2014, *'Legal and policy aspects of rangeland management'* – Mongolia, P Herrera, J Davies and P Manza Baena (eds) *The Governance of Rangelands*, Earthscan from Routledge London and New York. pp 156-167. ISBN 978-1-138-78514-4 (hbk)
- **Jacqueline Williams, Amanda Kennedy and Donna Craig** (2014): *'Lost in Translation: threatened species law in Australia'* in *Global Environmental Governance: 10<sup>th</sup> Colloquium Proceedings of the IUCN Environmental Law Academy* Edward Elgar Cheltenham

### Reports

- **Miriam Verbeek, Paul Martin, Ted Alter** and ors *'A methodology for monitoring, evaluating and learning from NRM projects'* (submitted for review for publication)
- **Paul Martin and Jacqueline Williams**, *'Productive, biodiverse farming landscapes: Why is governance innovation essential?'* Report for the North Western Local Land Service, commissioned briefing paper for NW Productivity Summit, Narrabri October 21<sup>st</sup> and 22<sup>nd</sup> 2014
- **Jacqueline Williams, Paul Martin, Elodie Le Gal, Darryl Low Choy**, Graham Marshall and **Katrina Dickson**, *'Improving Invasive Animal Institutions: A citizen-focused approach. A citizen-focused review of institutional arrangements for Invasive Animal management'*. 3 versions issued Version 1.1, May 25 2014, Version 1.2 December
- **Paul Martin, Miriam Verbeek** and others, *'Measuring the Impact of managing invasive species'*. Report number K112-25, May 13 2013 for the Australian Government Department of Agriculture Forestry and Fisheries (contractor: Invasive Animals Limited, on behalf of the Invasive Animals CRC)
- **Paul Martin and Elodie LeGal**, *'Human Dimensions of Invasive Management: the science gap?'* (under preparation for 2015)

### Other Outputs

With various presenters *'Leadership in Community Engagement'*, July 2013, Penn State University, Pennsylvania

### Conference and seminar presentations

- **Paul Martin**, Keynote address *'Legal natural resource governance: Innovation in response to fundamental rural challenges'*, Governance and service delivery in agriculture and allied sectors, 18-19 December 2014 Hyderabad, India
- **Jacqueline Williams and Paul Martin**, *'The Next Generation of Landcare'* National Landcare Conference, Melbourne, Australia, Sept 19 2014
- **Jacqueline Williams and Paul Martin**, (2014) *'The Next Generation Rural Landscape Governance for Australia'*, National Landcare Conference, Melbourne 17<sup>th</sup> to 19<sup>th</sup> September 2014
- **Amanda Kennedy and Jacqueline Williams**, (2014) *'Good Governance for Sustainable Energy Development: An Australian Case Study'* IUCN Academy of Environmental Law Colloquium, Tarragona Spain, 2<sup>nd</sup> to 4<sup>th</sup> July 2014
- **Amanda Kennedy**, *'Who counts? Recognition, participation and access to environmental justice in land-use regulation: An Australian case study'*, paper presented at the Global Network for the Study of Human Rights and the Environment Symposium *'Reimagining "Humanity" in the Nexus Between Human Rights and the Environment'*, Tarragona, Spain, 30 June – 1 July 2014.
- **Jacqueline Willams**, Johnnie Aseron, Neyooxet Greymorning, (2014) *'Decolonising Environmental Law'*, Global Network Human Resources and the Environment Symposium, Tarragona Spain, 30<sup>th</sup> June to 1<sup>st</sup> July 2014
- **Jacqueline Willams**, Johnnie Aseron, Neyooxet Greymorning, (2014) *'Highlighting North American and Australian Experiences: looking toward collaborative efforts'* International 20<sup>th</sup> Symposium for Society and Resource Management, Hannover Germany, 8<sup>th</sup> to 14<sup>th</sup> June 2014
- **Jacqueline Willams**, Johnnie Aseron, Neyooxet Greymorning, (2014) *'Innovative Collaboration, Inclusive Practices, Governance and Recognising Cultural Capital: Sharing North American and Australian Experiences: Workshop'* International 20<sup>th</sup> Symposium for Society and Resource Management Hannover Germany 8<sup>th</sup> to 14<sup>th</sup> June 2014

- **Amanda Kennedy** and **Jacqueline Williams**, (2014) *'Land Use Conflict and Food Systems Governance: An Australian Case Study'* An International Conference on Food Security, Sustainability and the Law, Beijing Foreign Studies University, 24<sup>th</sup> May 2014
- **Paul Martin**, **Darryl Low Choy** and **Elodie LeGal**, *'Reconsidering the effects of complexity and fragmentation on resource governance'*, Peri-urban'14 Conference, University of Western Sydney, 9 July 2014
- **Paul Martin** and **Andrew Lawson**, *'Designing the new rural governance toolkit'*, Symposium on Innovation in Natural Resource and Animal Welfare Management—Agricultural Competitiveness, June 11 2014, Brisbane
- L Adams, **Paul Martin**, A Woolnough, *'Application of a systems mapping tool to support community-led action on rabbit management'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- M Fortunato, A Smith-Herron, Beach, B Chapman, C Ellis, A Prelog, G Theodori, **P Martin**, **T Alter**, *'The human dimensions of invasive vertebrate pest control: innovating for effective community-wide action'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- **Paul Martin**, **Darryl Low Choy** and **Elodie Le Gal**, *'Reducing institutional impediments to community-based invasives control'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- **Paul Martin**, *'Entrenching scientific continuous improvement in the human issues of invasives management'*, Keynote address, Weed Society of Victoria Annual Conference, Geelong Victoria, May 2014
- **Bernadette York**, **Donald Hine**, P Fleming, G Ballard, *'Wild dog aware: Communicating management issues with diverse audiences'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- **Tanya Howard**, *'Understanding community "rules of engagement": experiences of Australian natural resource governance through a socio-legal lens'*, presented at the 20th International Symposium on Society and Research Management (ISSRM) to be held in Hannover, Germany, from June 9-13, 2014. <http://www.issrm2014.iasnr.org/>
- **Ashley Webb**, Brad Jarrett & Lisa Turner, (2014) *'Soil erosion and sediment yields following wildfires and eucalypt forest logging in southeastern New South Wales'*, National Soil Science Conference, 23-27 November 2014, MCG, Melbourne
- **Katrina Dickson**, *'Organizational and Network Learning in Invasive Animal Management'*, 14<sup>th</sup> Vertebrate Pests Conference, Brisbane, May 2014
- **Grant Pink**, *'Implementation and enforcement of environmental law: The role of professional practitioners'*, presented at the ESRC Green Criminology Conference – Environmental Law and Regulation Panel, held in London, England, 7-8 July 2014
- **Lynette McLeod & Donald Hine**, *'Improving the effectiveness of cat management programs through sustained human behaviour change'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- **Patricia Please & Donald Hine**, *'Deep framing versus social marketing: Eliciting long-term, meaningful behaviour change in community-engaged invasive animal management'*, 16<sup>th</sup> Australasian Vertebrate Pest Conference, Brisbane, May 2014
- **Donald Hine**, invited presentation on *'Behaviour Change for Tasmanian State Government'*, Nov, 2013.
- **Donald Hine**, invited presentation on *'Behaviour change for Australian Wool Producers'*, at Wild Dogs Action Plan Stakeholder Meeting, May 2014
- **Patricia Please**, invited keynote presentation at Weeds Society of Queensland AGM (Nov 2014) on Project 4E2 work. *'Applying Community-Based Social Marketing and other behavioural science tools to pest management'*
- **Patricia Please**, presented *'Behavioural science approaches to community engagement'*, at two NSW DPI Vertebrate Training Courses (March and Sept 2014)

### **Published**

- Marty Branagan, **Jacqueline Williams** and **Amanda Kennedy**, 2014 *'Editorial: Mining in a Sustainable World'* International Journal of Rural Law and Policy Issue 1, 2014
- **Paul Martin** and **Jacqueline Williams** (2014) *'Science Hubris and insufficient safeguards'*, Environmental and Planning Law Journal Vol 31/ 4

- **Tanya Howard**, '*Cotton: part of the social fabric*'? E-brief published in the proceedings of the 17<sup>th</sup> Annual Cotton Conference, Gold Coast, Australia
- R Jamshidi, D Dragovich & **Ashley Webb**, (2014) '*Distributed empirical algorithms to estimate catchment scale sediment connectivity and yield in a subtropical region*', *Hydrological Processes*, 28: 2671-2684, <http://dx.doi.org/10.1002/hyp.9805>
- R Jamshidi, D Dragovich & **Ashley Webb**, (2014) '*Catchment scale geostatistical simulation and uncertainty of soil erodibility using sequential Gaussian simulation*', *Environmental Earth Sciences*, 71: 4965-4976, <http://dx.doi.org/10.1007/s12665-013-2887-9>
- **Grant Pink**, 2014 '*Governmental Coordination to Enforce Environmental Laws: Perspectives of an Australian Regulator*' in Rose, Gregory (ed) *Following the Proceeds of Environmental Crime: Forests, Fish and Filthy Lucre*. pp. 185-212 (Routledge)