

AUSTRALIAN CENTRE FOR AGRICULTURE AND LAW



2013

Annual Report

une
University of
New England

**The Australian Centre
for Agriculture and Law**

Australian Centre for Agriculture and Law

ANNUAL REPORT - 2013

The Australian Centre for Agriculture and Law (the Aglaw Centre) pursues a focused program of research in two areas:

1. The reform of rural natural resource governance to pursue sustainable resource use in ways that are less costly and more fair than existing arrangements; and
2. Addressing problems of rural social inclusion (particularly focused on rural Aboriginal people's interests).

We are committed to four principles:

1. Conducting our research through partnerships with community, government and non-government organisations. This ensures that our work reflects practical realities and has a real audience for whom we aim to deliver useful results.
2. An empirical, scientific orientation in how we conduct legal policy research, whilst respecting the traditions of legal scholarship and the unique contributions of the legal discipline
3. A concentration upon institutional issues that determine the effectiveness and impacts of legal arrangements.
4. Addressing law and policy issues using a systems-based and comprehensive approach. Inevitably this means we work across disciplines, in tightly knit but diverse teams.

The Centre is coming to the culmination of a number of research projects focused on options for improving rural natural resource governance. This research has been ongoing for the better part of a decade through discrete but interconnected research projects. During 2014 a priority is to create a series of reports and studies that will point to major improvements in rural natural resource governance.

The Centre has been developing its second major stream of work, focused upon rural social justice. Projects have explored rural access

to legal services, and the protection of indigenous cultural and economic values. This aspect of our work accelerated during 2013, and will gain further impetus in 2014.



STAFF PROFILES

The AgLaw leadership team consists of Professor Paul Martin, Dr Amanda Kennedy, Dr Jacqueline Williams and Trudy Page, working closely with our students, and our valued adjuncts.

Dr Miriam Verbeek, a contractor to the Centre, is an important part of the team, and Professor Ted Alter from Penn State University is as always a great collaborator and friend to the Centre team.

Recently 3 Postdoctoral appointments have been made, working mainly on the Invasive Animals CRC program. These are



- Dr Lyndal-Joy Thompson, based at the University of Canberra. Dr Thompson is working on community engagement, with Professor Ted Alter at Penn State University.
- Dr Patty Please, based at Griffith University, who is working on behavioural interventions and communications, with Professor Don Hine at UNE.
- Dr Elodie LeGal is working principally with Professor Paul Martin and Professor Darryl Low Choy (Griffith) on institutional issues. She is also involved in other projects at the AgLaw Centre. Elodie completed her PhD with the AgLaw Centre.

We have the pleasure of welcoming back one of our Doctoral graduates, Dr. Mark Shepherd, on a contractual basis.

Professor Paul Martin

Professor Martin's scholarly and service roles during 2013 included; as Deputy Head of the School of Law, Leader of the "Facilitating Effective Community Action" program for the Invasive Animals CRC, Convenor of the IUCN Academy of Environmental Law workshop "Towards a Jurisprudence of Environmental Law Implementation", and as co-convenor of the 11th IUCN Academy of Environmental Law Colloquium. He was invited by the Chair of the IUCN World Commission on Environmental Law to join a specialist group to help to establish a program for the evaluation of the effectiveness of legal aspects of environmental governance, at the International Environmental Law Centre in Bonn. He is on the steering committee for a community-based evaluation of the health impacts of mining in the Namoi region. He also gave a series of lectures in Brazil, China, USA and Scotland, during his sabbatical.

In addition to his own publications Professor Martin has edited the following books and special editions of journals during the year:

- Editor, International Journal of Rural Law and Policy themed editions on '*REDD+ and legal regimes of mangroves, peat lands and other wetlands*' and '*ASEAN and the world*';
- Editorial Panel, *IUCN Academy of Environmental Law eJournal*;
- Lead Editor, IUCN Academy of Environmental Law 2013 Colloquium proceedings *The Search for Environmental Justice*; and,
- Co-editor: *The Law and Policy of Biofuels* with Heather McLeod-Kilmurray, Annette Cowie and Yves Le Bouthillier (Edward Elgar 2014).

Dr Amanda Kennedy

Dr Kennedy was Acting Director of the AgLaw Centre during Professor Martin's study leave. She continued leadership of the Australian Research Council Discovery Early Career Researcher Award (DECRA) project, entitled 'Effective systems for managing intractable natural resource conflict'. She was Course Coordinator for the Masters of Sustainability, and taught into several units. She also led completion of a Department of Education, Employment and Workplace Relations project on developing strategies to prepare law graduates for rural practice. From this project she then oversaw the development of a subject offered online with UNEOpen utilising the same materials.

Dr Kennedy was a co-convenor of the 11th IUCN Academy of Environmental Law Colloquium held in Hamilton, New Zealand and the convenor of the Land Use Change Law and Policy Symposium at the University of New England, 1-5 July 2013. Dr Kennedy was appointed as a Council Member of the National Rural Law and Justice Alliance during 2013. In addition to her own publications Dr Kennedy has also been involved the following editing roles:

- Co-Editor in Chief, IUCN Academy of Environmental Law E-Journal;
- Co-Editor, IUCN Academy of Environmental Law 2013 Colloquium proceedings; and,
- Chief Editor, International Journal of Rural Law and Policy, Special Edition on Rural and Regional Law and Justice.

Dr Jacqueline Williams

Dr Williams served in a number of scholarly and service roles during 2013. She is the project leader of the ARC Linkage project on "Next Generation Rural Landscape Governance", supervising PhD students and working with the case study region stakeholders in Tasmania and NSW. During the year research was progressed on transaction costs of community participation, collaborative governance, the use of behavioural science and methods for engaging the community.

She is working closely with the Oorala Centre and other key partners on the development of a research project on 'Innovative Collaboration: Inclusive Practices, Governance and Cultural Capital'. That project is concerned with the experiences of farmers and Aboriginal people, in resource governance in rural areas.

Jacqueline worked with colleagues from other Schools at UNE on sustainability, mining and water research. She is facilitating a book on trans-disciplinary water policy (as co-editor with other UNE colleagues. She is the unit Coordinator for two Masters of Sustainability units (Sustainability Strategy and Resource Management Risk and Responsibility). She is also a member of the IUCN CEC committee. Her community service work includes providing scientific and institutional information to rural communities in the mid North coast region on mining and land use law and policy.

CURRENT RESEARCH

The Centre continues its record of securing the financial and other support from important government and private sector partners. The total cash and in-kind value of externally supported current projects reported below exceeds A\$6m.

Rural Landscape Governance

An Australian Research Council Linkage project, which finishes in 2014, is focused upon developing concepts for the reform of governance of rural natural resources. Partners include SEWPAC, Australian Organics, Cotton RDC and collaborative groups in the Tamar in Tasmania and the Namoi in NSW. The project is managed by Dr Williams as an ARC Postdoctoral fellow, with 3 PhD scholars researching:

1. The potential for effective co-regulation of rural industries;
2. Improving mechanisms for the engagement of rural communities;
3. Using behavioural science to improve the effectiveness of governance interventions;
4. Understanding the effects of complexity and administration (transaction costs) in rural NRM; and,
5. Social justice and equity issues of sharing the costs and benefits of natural resource management.

Associated with this research is our involvement in soils governance. As well as research being done by the staff and students of the Centre, our Adjunct Dr Ian Hannam is the Convenor of the Soils Specialist Group for the IUCN World Commission on Environmental Law. His ongoing work is a significant contributor in the international field of soils protection.

Natural resource conflicts

Under an Australian Research Council “DECRA” grant, research is being conducted in Australia and the United States to propose more effective ways of handling intractable natural resource conflicts. This research, led by Dr Amanda Kennedy, seeks to understand the role of the law in disputes over the exploration and exploitation of energy resources (e.g. coal and coal seam gas). The core research questions of the project are:

1. How do governance systems function in natural resource conflict situations?
2. How do legal arrangements facilitate or obstruct procedural fairness within natural resource conflict situations?

Community action, invasives

Professor Martin is leading an Invasive Animals CRC research program to find better ways of supporting community action for the control of invasive animals. Research collaborators include Penn State University, Griffith University, Sam Houston University and Cornell. Engagement partners include the Queensland Murray Darling Committee, and government departments from NSW, Victoria, Tasmania and Western Australia. The work overlaps partly with the Next Generation Landscape Governance research. The Centre has recruited doctoral candidates and 3 postdoctoral fellows to work on this program.



The effectiveness of investments

A central aspect of natural resource governance is funding arrangements. During 2013 a major evaluation study funded by the Australian Government DAFF through Invasive Animals Ltd. allowed us to investigate the effectiveness of 'Caring for our Country' investment in invasive animals control programs across Australia. Extensive field research provided excellent data to develop reform recommendations. It also is a basis for publications during 2014. The research relates not only to invasive animals management, but also to reform of natural resource governance generally.

Sustainable Insurance

The Centre enjoys an ongoing collaboration with TAL Ltd, a major Australian insurer that is now owned by Dai-ichi Life of Japan. TAL and Dai-ichi have a strong commitment to sustainability. Part of that commitment is their leadership role in the United Nations Environment Program Sustainable Insurance initiative (see <http://www.tal.com.au/About-TAL/Corporate-Responsibility>) . We work closely with their Director of Governance in supporting this initiative. A related activity is the co-supervision of Mr. Bruce Christie, a Professional Doctorate candidate in the School of Business, who is exploring new approaches to strategic risk governance.

Aboriginal and Torres Strait Islander interests in 'bush foods'

The CRC Remote Economic Participation has funded PhD research to identify ways to protect the diverse interests of Aboriginal and Torres Strait Islander in 'bush tucker'. This research focuses upon the potential commercialisation of the 'bush tomato'. Our approach takes the perspective that in modern society Indigenous people's aspirations go well beyond traditional cultural interests. The research seeks improved law and policy that reflect the diversity of people's interests.

The cultural content of seeds

The CRC for Remote Economic Participation has commenced funding a project investigating how the process of scientific commodification (intrinsic to scientific seed and bio-banks), might result in the erosion of cultural values associated with that material. This is of particular significance to Indigenous people from many countries. It is led by Professor Mark Perry from the School of Law and involves Thomas Bristow from the School of Arts.

Training rural legal practitioners

An ATLC grant enabled the Centre to lead the development of an 'open access' program designed to train lawyers for rural practice. That program is now being offered to students at several institutions in Australia and there is international interest. At UNE, the program is offered to students enrolled in the undergraduate law program as a unit of study, as well as being offered more widely via UNEOpen – UNE's open access platform.



Independent assessment of sustainability certification

Supporting the Next Generation Landscape Governance project, a small project funded by the Australian Biodiversity Fund, is conducting an independent evaluation of a voluntary environmental self-management system for farmers. It is hoped to identify synergies between voluntary approaches, and the achievement of government policy objectives.

INTERNALLY RESOURCED PROJECTS

The Centre also carries out research that is internally resourced:

IUCN Academy of Environmental Law

During 2013, a major initiative was to co-host the 11th annual IUCN Academy of Environmental Law international Colloquium, jointly with University of Waikato in New Zealand. Professor Martin and Dr Kennedy, and our recently appointed adjunct, Dr Trevor Daya-Winterbottom, were the convenors of this conference.

This is the premier environmental law event in the international calendar, and attracted more than 200 participants from many countries. A number of AgLaw staff (including adjunct team members) and students presented papers. Professor Martin led a specialist 1-day research workshop for the Academy on issues in the implementation of environmental law.

Associated with the Colloquium, the School of Law hosted an event with international experts, focused upon land-use change, at UNE during July. Participants included experts from Japan, China, USA, Canada, and Singapore.

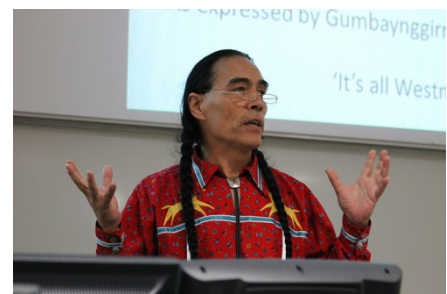


Mining in a Sustainable World Conference

The 'Mining in a Sustainable World' Conference was held at UNE in October. Focusing in an interdisciplinary fashion on environmental, social and political economic issues, the conference promoted a 'big picture' and solution-oriented approach. It promoted constructive dialogue between people with a range of perspectives. Notable speakers presented on aspects including: health; indigenous communities; social science; mining; law; humanities; physical sciences; economics and civil society perspectives. The AgLaw Centre in conjunction with Marty Branagan from Peace Studies is coordinating a special edition reflecting the conference content to be published in 2014 in the International Journal of Rural Law and Policy.

Cultural Perspectives and the Oral Narrative

The AgLaw Centre and School of Law partnered with the Oorala Centre to co-host a two-day event during October as part of a larger trans-institutional, multi-national collaboration. This aims to bring cultural perspectives, music and stories to people of all ages, nationalities and cultural backgrounds. Interactive discussion took place over both days, beginning with a focus on cultural safety and cultural knowledge. On the



second day, presenters and participants explored 'innovative collaboration', incorporating ideas such as inclusive practices, understanding governance and recognising cultural capital. On the evening of 17 October, performing artists from around the world took to the stage. The performances shared reflections through cultural expression, including music, song and storytelling.

International Journal of Rural Law and Policy

The International Journal of Rural Law and Policy (IJRLP) is the School of Law's flagship journal. The AgLaw Centre has led the development of this volume to date, and continues to be an active supporter. The IJRLP is a peer-reviewed journal covering the many interdisciplinary and complex issues that make up rural law and policy. Rural people encounter many of the law and policy issues that challenge their urban counterparts: crime, the struggle for social justice, property and commercial transactions, and the pursuit of sustainability. However, more than urban dwellers, rural people face these challenges from within environments that affect the character of the challenges as well as the feasible responses. Out of such features arise law and policy issues that are vital to rural people but which may be of marginal interest to the population in cities. Natural resources law and policy, indigenous social justice, and equity of access to services and transport are illustrative. There are also issues that take on a particular character in a rural setting, including sexual freedom, personal reputation or professional ethics in a small community, and the challenges of creating viable enterprise networks when distant from urban centres where most consumers reside.

The International Journal of Rural Law and Policy has begun to generate a lively community of scholars of rural law and policy, as well as contributing innovative and useful ideas to the field.



POSTGRADUATE COURSEWORK

The Australian Centre for Agriculture and Law is responsible for UNE's postgraduate programs in Sustainability.

The Graduate Certificate in Sustainability provides the opportunity for students to progress through to a Graduate Diploma in Sustainability, or a Masters in Sustainability. There is also the possibility to qualify for enrolment in a Research Masters Degree or PhD.

The program focuses on future leaders and managers in eco-service markets such as carbon and water trading, and in environmental governance. The coursework enables staff from consultancy groups, governance organisations (e.g. regional natural resource management bodies and state and federal agencies) to upgrade skills in this emerging and cross-disciplinary field, or facilitate a career change for those with discipline-based qualifications (e.g. teachers, lawyers, accountants).

The AgLaw Centre is responsible for a range of units within this program, including:

- **Resource Management Risks and Responsibility (LLM627)** – this unit takes a unique perspective on the application of risk governance frameworks to advancing sustainability. We consider both conventional risk analysis, and a novel approach to evaluation of the risks of policy itself. This unit teaches the students legal and non-legal aspects of resource management risk including: risk-based/science-focused approaches to regulation; legal/institutional challenges for national/ international aspects of carbon/climate risk; interaction between trade law issues and environmental laws; civil legal liability/environment risk; criminal environmental liability risk; regulatory process and risk; corporate environmental governance/strategic risk evaluation; risk concepts, policy risk assessment and risk evaluation and management standards and processes;
- **Resource Rules (LLM628)** – this unit considers the complex network of public and private rule frameworks that impact on the conservation and exploitation of natural resources. This unit exposes students to a range of concepts relevant to regulatory efficiency and effectiveness. This includes consideration of traditional regulatory theory and innovation in regulatory reform. Students are introduced to regulatory concepts such as private regulation, co-regulation, regulatory harmonisation, path dependence and transaction cost theory. The unit exposes students to the range of issues faced in developing a compliance strategy across an industry. Whilst the unit uses the design of compliance programmes as a focus, its underlying goal is to provide frameworks for understanding and designing rules;
- **Strategy and Sustainability (LLM629)** – this unit provides a systems-based approach to the design of integrated strategies involving laws, markets, and other mechanisms to shape resource consumption behaviour. It delivers an understanding of strategies to change resource use and other behaviour. Legal aspects of the unit include: introduction to developments in market and regulatory theories, legal underpinnings of different types of interventions and links between national/international environmental governance. Non-legal aspects include: introduction to strategy applied to Natural Resource Management (NRM) governance issues, understanding transactions and transacting systems, and the impact and role of institutional arrangements/introduction to institutional theories;
- **Resources, Relationships and Agreements (LLM630)** – this unit considers issues of contract design from within a framework of understanding of transaction systems, and which aims to provide students with skills to design and implement transacting systems. It equips students with a sound understanding of the challenges and opportunities for landscape-scale natural resource management strategies, including institutional issues of coordination. Students develop a deep understanding of the legal and managerial

complexities associated with biodiversity conservation on private lands, including negotiation of interests, as well as legal and administrative aspects of agreements;

- **Managing Conflict Over Resources (LLM631)** – This unit explores methods for managing conflict over natural resources, critically exploring the role of the law in managing social and political contests over natural resources. It examines from a multi-disciplinary perspective the development of patterns of conflict over natural resources, and how disputes may be more effectively managed through approaches that account for the influence of legal structures and dynamics themselves upon conflict and the outcomes of conflict;
- **Indigenous Natural Resource Issues and the Law (LLM632)** – This unit explores legal issues affecting Indigenous people with respect to natural resources. It focuses particularly upon how the legal system recognises or protects Indigenous cultural and economic interests, with particular attention to exploitation of indigenous knowledge, benefit sharing, and the legal recognition of collective ownership interests. Reform potentials will also be considered.

DOCTORAL CANDIDATES



Andrew Lawson (PhD candidate)

Andrew's research focuses on the potential for *co-regulation*, i.e. the interaction of non-government regulation (voluntary standards, codes of best practice, certification and labelling schemes) and government regulation and policy. Andrew has qualifications in law and science and a wealth of experience working with landcare groups, Land and Water Australia and policy groups.

Andrew's research over the last 12 months has revolved around establishing case studies, designing the interview and survey process and undertaking interviews. Andrew's research is specifically focusing on voluntary environmental certification programs for landholders and the value they add in helping landholders meet or exceed public interest objectives of policy and regulation.

Expected benefits of Andrew's research include:

- ***For Government:*** To provide insights into encouraging private landholders to join conservation efforts; a greater understanding of the extent to which the objectives of voluntary schemes align with policy objectives; and, whether participation helps landholders become aware of, and meet their legal obligations.
- ***For industry:*** Voluntary codes offer farmers an opportunity to showcase their management, and critically reflect through participation in environmental certification schemes. For rural industries the benefits include:
 - The potential for credibly demonstrating clean-green production systems to the local and global market place;
 - Insights about ways landholders can better meet community expectations through using their own knowledge; and,
 - Identification of whether voluntary programs can help landholders "stay ahead of the game" in a dynamic global environment of changing values.
- ***For community:*** The benefits include a better understanding of the checks, balances and shortcomings that voluntary programs can provide in relation to impacts on the environment. This research should extend understanding of the role of voluntary programs in harnessing intrinsic motivations and the rewards of recognition, in order to enable landholders to do more than the legal minimum.



Michael Forsyth (PhD candidate)

Michael's research is focused on the potential of behavioural interventions (such as social marketing) to improve the effectiveness of legal instruments. Michael has qualifications in law and psychology and experience in statistics. He is using recently developed statistical tools to research typologies for targeting NRM policy implementation.

Analysis of data from interviews commissioned by the Namoi CMA during 2011 produced useful findings. The sub-study of landholder types and their land management beliefs and behaviours used newly developed statistical approaches to explore the framing and 'marketing' of natural resource management (NRM) initiatives. A journal article has been submitted for publication.

A follow-up survey was implemented in partnership with the Namoi CMA. This 2013 survey of more than 500 landholders included 22 questions related to weed management. As hypothesised, landholders could be grouped into four NRM types based on their land management beliefs and attitudes. These groups indicated systematically different views towards land management; that were related to weed management.

These results validated segmenting landholder populations to better understand possible approaches as a useful tool for designing and targeting NRM policy initiatives. A final study is being planned for early 2014. This study will use a 'virtual' on-line experiment to indicate the degree that landholder type can predict NRM attitudes and behaviours. This study will focus on land management and weed control. It is intended that this work be the foundation for further work to better use behavioural science techniques to improve the effectiveness of environmental law.



Tanya Howard (PhD candidate)

Tanya's focus is on how natural resource management programs engage with the people affected by the issues. Tanya has a passion for community engagement. Her career background is in environmental conservation, sustainability education, and catchment management. Tanya's research focus is on improving how legal institutional arrangements affect rural communities participation in natural resource decision-making.

It difficult to bring a community into decision-making in a way that is authentic. Decision-making frameworks struggle to be inclusive of diverse community interests. Rural communities struggle to retain decision-making power as money and people gravitate to the larger towns and cities. Getting people involved in decision making requires more than public meetings and public comment periods. Formal legal commitments to consult or engage can be an encouraging sign of change. However, experience shows that implementation of these principles is the real challenge. This research is looking at examples under the *Catchment Management Act 2003* and the NSW Planning Act. The impact of changing institutional arrangements makes a good backdrop for this investigation, as organisations are merged, goal-posts are moved and the impact of politics create uncertainty in natural resource governance.

Tanya has interviewed 10 subjects so far. Those interviewed have been project proponents, industry representatives and government agents. The focus of these interviews is on understanding how legal requirements for community engagement are being implemented. Case studies are exploring varieties of governance mechanisms for community engagement being implemented under the NSW Planning Act and the *Catchment Management Act 2003*, and the impacts of changing institutional contexts in the development of next generation resource governance.

Tanya has three potential publications under consideration, and has conference presentations under development or accepted. The next 12 months will see completion of 4 case study analyses. A series of papers will describe each case, the governance model, the legal and policy arrangements, and an integrative paper will draw lessons from the overall analysis.



Hitelai Dorothy Polume-Kiele (PhD candidate)

Hitelai began her PhD in July 2013. The topic is '*The governance of natural resources: Issues affecting better management of revenues and distribution of wealth within Papua New Guinea.*'

Hitelai holds a Bachelor of Law and Master of Laws Degree, and has twenty-three years of experience as a civil, and a Government lawyer (17 years in the Department of Justice and Attorney General). Her legal career included the negotiation of commercial transactions involving investors and landowners for major natural resource projects in Papua New Guinea (PNG). This experience has had a major impact in the decision to pursue this research. In January 2007, Hitelai was appointed to head the Department of Justice and Attorney (on an acting basis), a position held for three years and assumed the role as the Attorney General of Papua New Guinea for 8 months. During this period she was concerned with major projects such as the

Exxon Mobil led PNG LNG Gas Agreement, the Inter Oil Gas Project and the International Finance Corporation share-holding in the Bank of South Pacific and many other commercial transactions involving the PNG government and investors.

PNG's rich natural resources generate great wealth and contribute to PNG's development. Mining, oil and gas companies are operating in Porgera, Ok Tedi, Lihir, Hidden Valley, Sinivit, Simberi; and Kutubu, Gobe, Moran, Hides and Elk (PNG Report, 2012). However, governance and management issues do affect the delivery of essential services to rural areas, stability within government, and the expectations of landowners. Failures of law and policy may be a catalyst for conflicts such as in Bougainville, PNG. The Porgera gold mine and the Kutubu Oil projects agreements are examples of a process where the provincial governments and landowners were consulted during the development. However, after more than 15 years of production, there are widespread concerns about benefits not being distributed to all landowners and landowners' aspirations regarding these developments are not praiseworthy. On the other hand, groups such as the Lihir gold mine landowners are benefiting immensely as a result of development. Thus questions have to be asked as to: What issues have contributed to the discrepancies in the distributions of benefits and why is it that some landowners are benefiting more than the others?



Kylie Lingard (PhD candidate)

"Law and institutional reforms to more effectively enable and support the protection and use of Traditional Knowledge in economic enterprise."

The Cooperative Research Centre for Remote Economic Participation sponsors Kylie's postgraduate research. Her focus is upon legal issues associated with the commercialization of 'bush tucker', notably the 'bush tomato'. Different Aboriginal people have a variety of cultural and economic interests that could be affected by commercialisation, and this work aims to help to ensure that, to the maximum extent possible, Aboriginal interests and

expectations are respected.

The research aims to:

- Evaluate a range of legal and institutional mechanisms that may enable and support the protection and use of Traditional Knowledge in economic enterprise;
- Evaluate a range of complementary strategies that may support a legal and institutional framework; and,
- Propose a strategy that enables the use of commercially viable Traditional Knowledge in economic enterprise.

Kylie is also the Unit Coordinator for Indigenous Natural Resource Issues and the Law at the University of New England (LLM 632). Her research interests include: cross-cultural engagement mechanisms, protection and management of Aboriginal cultural heritage, protection of Traditional Knowledge in economic enterprise, use of Traditional Knowledge to achieve economic and social independence.



Wanida Phromlah (PhD under examination)

"Good Governance for Natural Resource Law in Thailand"

Wanida submitted her thesis for examination in December 2013. Her research concerned natural resource governance in Thailand. It aimed to develop best-practice mechanisms, procedures and a legal approach for good governance of natural resources in Thailand.

This is based on the framework of good governance principles, an integrated approach, behaviourally focused thinking, awareness of context, resource access, management of institutional transaction costs and risk management.

Wanida's research interests include: environmental governance, taxation policy, sustainable development to reduce costs and complexity related to environmental and taxation governance; social equity for vulnerable communities and the risks generated from making environmental and taxation policy.

Celebrating recent completions

Md Nazrul Islam (PhD completed)



"Can A Reflexive Governance Structure deliver IWRM Principles in Bangladesh?"

Nazrul submitted his thesis for examination in late 2013. The objective of his research was to find out a 'reflexive solution' to overcome obstacles in implementing the Integrated Water Resources Management (IWRM) principles in Bangladesh through a multi-disciplinary management approach. The findings of the study are intended to be useful for other countries as well to progress implementation of IWRM principles. A 'water governance model' was proposed with integration of all necessary elements that affect IWRM. It was examined whether the planning and managing water resources addresses the ecological, economic and community ambitions or IWRM principles. It is difficult to implement IWRM based on the foundation of 'less integrated' and certainly less reflexively organised' foundations for water resources policy planning and management.

The applied contribution of this research is to provide specific advice on the arrangement of institutional or governance arrangements with the potential to underpin IWRM implementations in countries like Bangladesh.



Elodie LeGal (PhD completed).

"Opportunities for, and Impediments to, Natural Resource Governance Innovation Illustrated by the Biofuels Weed Risk Case Study"

Dr LeGal's thesis was concerned with the potential to use innovative approaches to natural resource governance to address the complex risk problem of potential weeds associated with biofuels plantations. The study looked both at potential governance models and the impediments to reform. The conceptual model that was developed incorporated advances in market-based risk instruments, industry co-regulation and self-regulation and other advances into a systemic approach that responds to the complexities of governing this new industry. The approach has implications for all forms of environmental risk governance. The study identified the likely impediments to any such reform, which can be generalized to many forms of modern governance innovation.

Dr LeGal has since joined the Postdoc team for the Invasives Animals CRC research on institutional impediments to effective community action.

Developing leaders in the community



Participants in the Pennsylvania 'Leadership in Community Engagement' program, together with representatives of the USDA, Penn State University and collaborators.

As part of the Invasives Animals CRC research program, Professor Martin had the pleasure of working with a team of front-line professionals who are tackling aspects of the human dimensions of invasive animals management. A number are undertaking a Professional Doctorate through UNE. Supervision is managed on a team basis, with collaborators from across UNE and other institutions and industry. During mid 2013, in conjunction with Professor Ted Alter and colleagues from Penn State University, he facilitated a program on 'Leadership in Community Engagement', at Penn State University. This program is the forerunner of ongoing training in engagement leadership supported by the CRC.

The doctoral cohort consists of Lisa Yorkston (QMDC), Bernadette York (NSW DPI), Roxane Blackley (QMDC), Darren Marshall (QMDC) and Peter Lloyd (Quadrant, non-CRC candidate). Other participants in the program included Drs. Please and Thompson, Heather McLeod (UNE PhD student) Lisa Adams (National Rabbit Management Facilitator at Department of Environment and Primary Industries, Victoria), Tanya Howard (UNE PhD student), Jessica Marsh (Invasive Animals CRC NRM Liaison Officer) and Katrina McDonald (UNE PhD student, supervised by Robyn Bartel, Professor Ted Alter and Lyndal Joy Thompson).

The Centre also provides co-supervision to candidates from other schools. At the present time we co-supervise the PhD of Mr. Grant Pink (with Dr Robyn Bartel, UNE), Mr. Brendan George (with Dr Annette Cowie, UNE) Liz Charpleix (with Dr Louise Noble, UNE) and Mr. Kip Werren (with Professor Donna Craig, UWS)

ADJUNCT AND ASSOCIATE PROFILES

Details of the following Adjuncts and Associates can be obtained from the Centre website. Adjunct appointments and research associates of the AgLaw Centre include:

- Professor John Becker: Emeritus Professor of Agricultural Economics and Law, Penn State University;
- Professor Jack Beetson: Indigenous researcher and consultant;
- Professor Donna Craig: School of Law, University of Western Sydney;
- Dr Ian Hannam: Convenor Soils Specialist Group. IUCN World Commission on Environmental Law;
- Mr Steven Mark: formerly Legal Services Commissioner NSW;
- Dr Andrew Monk: Managing Director of environmental sector services company Mulching Technologies Pty Ltd;
- Mr Peter Noble: Head of Corporate Governance at TAL Australia;
- Mr Grant Pink: Environmental enforcement networks specialist;
- Emeritus Professor Peter Rogers, School of Biotechnology and Biological Sciences, Faculty of Science, University of NSW;
- Dr Justin Rose, specialist in island state laws in the Pacific;
- Professor Jim Shortle, Distinguished Professor of Agricultural and Environmental Economics and Director of the Environment and Natural Resources Institute at the Pennsylvania State University;
- Dr Miriam Verbeek: Consultant and editor;
- Dr Ashley Webb: Leader, Soils North & Senior Research Scientist with NSW DPI; and,
- Dr Dedee Woodside: consultant and company director.

International Specialists

- Professor Ted Alter (Penn State University, USA); and,
- Andres Arnalds (Soil Conservation Service, Iceland).

THE NEXT STAGE

- Our commitment to maximising our contribution to the UNE School of Law will remain constant. As well as our primary role of contributing to the School's research ratings and research student performance, we are committed to assisting our colleagues and research students where we can, to realise their ambitions. We aim to expand the number of Law School staff with opportunity participate in AgLaw projects, and to assist them in securing funding and other resources.
- We will build on our momentum in rural natural resource governance:
 - During 2014 we will integrate key findings from the research conducted over the last five years into strategic publications intended to point the way to major law and policy reforms, and new research potentials. Our goal is to achieve a tangible impact from the work to date.
 - We will be lead authors and editors on a number of books and journal special editions that will come to fruition over the next 2 years. These address biofuels policy, natural resource governance, rural resource conflict, implementing environmental law, co-regulation, social justice, behaviourally effective law and effective engagement.
 - We have a large number of individual journal papers and book chapters that will be published during this period.
 - Over the period to 2017, we will produce a number of studies on invasive species issues. We are working with collaborators to create an institute or other ongoing arrangement focused upon 'the human and institutional dimensions of invasive species'.
 - Our intention is to pursue a number of substantial grants, hopefully commencing from 2015, to allow us to maintain the momentum on rural natural resource governance research.
 - During 2013 Professor Martin began work with the IUCN World Commission on Environmental Law on a new initiative on improving the effectiveness of environmental law. This work will continue into 2014, and is likely to expand.
- We intend to strengthen our rural social justice focus, particularly in relation to the economic and cultural interests of indigenous people.
 - We have a number of relevant studies in train, which will be advanced during the next two years.
 - We are working with the Ooralta Centre and other key collaborators to secure additional funding and scholars to support this area of focus.
 - We will further strengthen our international and domestic collaborations, potentially hosting at least one specialist workshop (with associated publications) within the next 2 years.
- We intend to maintain the current level of PhD, Professional Doctorate and Masters students, and to maintain the high level of satisfactory completions that we have achieved to date.

In 2017, the Director of the Centre will be 65. Our intention is that by then a succession plan will have been implemented to ensure that the Centre has ongoing strong leadership.

CENTRE RESEARCH GRANTS SINCE 2005

1. Invasive Animals CRC – *Community Led Action* research program (2012 - 2017)
2. Australian Research Council – Discovery Early Career Researcher Award (DECRA) on ‘Effective systems for managing intractable natural resource conflict’ (2012)
3. Dept of Agriculture, Forestry and Fisheries – Program evaluation of Caring for Our Country investments in pest animal control (2012)
4. Department of Education, Employment and Workplace Relations – ‘Rethinking law curriculum: strategies to prepare law graduates for practice in rural and regional Australia’ (2011-2012)
5. Ninti One Inc (CRC Remote Economic Participation) – *Voluntary Ethics Code design* (2011)
6. RIRDC – *Innovations in institutions to improve weed funding, strategy and outcomes* (2011)
7. Australian Research Council – Linkage Grant, *Next Generation Natural Resource Governance*. (2010-2014)
8. Murray Darling Basin Authority – *Expert review of the Socio-economic reviews of the Draft Murray Darling Basin Plan*. (2010)
9. Department of Environment, Water, Heritage, and the Arts – *Evaluation of the strategic risks and opportunities associated with environmental property rights*. (2010)
10. Department of Environment, Water, Heritage and the Arts – The risks and benefits associated with ‘unbundling’ rights in land (2010)
11. Dept of Sustainability and Environment, Victoria – *Developing a business model for landscape conservation*. (2009)
12. United National Global Environment Foundation – *Transboundary Law in the High Pamirs* (2008)
13. University of New England – ‘Rural Professions Research Initiative; recruitment, retention and development of professional employees in rural and regional communities (2008)
14. Land & Water Australia *A tax-leveraged conservation model for rural landscapes* (2007)
15. NSW Government Climate Action Grant – 2nd Generation Biofuels (2007)
16. Cooperative Research Centre for Irrigation Futures – *Social, Cultural and Institutional Research Program* (2005-2010).
17. WWF Australia – *The Costs and Benefits of a proposed Mandatory Invasive Species Labelling Scheme* (2005)
18. Land & Water Australia/Australian Farm Institute – *Developing a Good Regulatory Practice Model for Environmental Regulations Impacting on Farmers* (2006)

Early career researchers' inaugural winners

JILL ROWBOTHAM | THE AUSTRALIAN | NOVEMBER 15, 2011 12:00AM



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Deputy Director Australian Centre for Agriculture and Law at the University of New England, Dr Amanda Kennedy. Picture: Gary Ramage Source: The Australian

AMANDA Kennedy is young, has a couple of children and a promising academic future: perfect for the government's new early career researcher scheme.

Dr Kennedy, a lawyer who is on maternity leave, was among 277 researchers with recent PhDs to receive an inaugural Discovery Early Career Researcher Award yesterday.

"It seemed ideally tailored to my personal circumstances," Dr Kennedy said of the Australia Research Council grant.

CENTRE PUBLICATIONS SINCE 2005

Forthcoming (accepted) outputs

- **P. Martin** '*Biofuels: why should we be cautious about policy*'? In *The Law and Policy of Biofuels*, Edward Elgar expected publication, 2014.
- **P. Martin** '*Biofuels governance: insufficient legal instruments or innovative international governance systems*'? IUCN Academy of Environmental Law: *Global Environmental Law at a Crossroads* 2014
- **P. Martin** '*Ecosystem Services, Economic Valuation, and Environmental Equity: Complementary or Contradictory*'? International Specialists workshop, IUCN Academy of Environmental Law 2014
- **P. Martin** & N. Gunningham '*Improving regulatory arrangements for sustainable agriculture: Groundwater as an illustration*'. Submitted to *Environmental Policy and Governance*
- **J. Williams, A. Kennedy** and D. Craig '*Lost in Translation: Threatened Species Law in Australia*' in 10th Annual Colloquium of the IUCN Academy of Environmental Law Colloquium, Percival, B., and Piermattei, W. (eds), Edward Elgar Publishing, forthcoming.

Books and Book Chapters

- **G. Pink**, '*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*. Routledge. (2014)
- **J. Williams** and **P. Martin**, *Water Governance: A policy risk perspective* in *Water Resource Management VII* Wessex Institute UK, 2013.
- **J. Williams** and **P. Martin** '*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, 2013.
- **P. Martin** '*Embedding social justice in the design of environmental regulation*' Ch9 in *Poverty Alleviation and Environmental Protection*, pp179-197, Edward Elgar 2012.
- **P. Martin, J. Williams** and **A. Kennedy** '*Creating next generation rural landscape governance: the challenge for environmental law scholarship*' in *Environmental Governance and Sustainability*, Martin, P., Zhiping, L., Tianbao, Q., Du Plessis, A., and Le Bouthillier, Y. (Eds.), Edward Elgar Publishing, 46-80, 2012.
- **P. Martin**, L. Zhiping, Q. Tianbao, A. Du Plessis, Y. Le Bouthillier, A. Williams. '*Introduction: The scholarship of Environmental Governance, in Environmental Governance and Sustainability*' Martin, Zhiping, Tianbao, Du Plessis, Williams and Bouthillier (eds) Edward Elgar publishing, 2012 pp46-80
- **P. Martin**, A. Du Plessis, L. Zhiping, Q. Tianbao, and Y. LeBouthillier (eds) '*Environmental Governance and Sustainability*' Edward Elgar, 2012.
- **Webb, A.A.**, Bonell, M., Bren, L., Lane, P.N.J., McGuire, D., Neary, D.G., Nettles, J., Scott, D.F., Stednick, J.D. & Wang, Y. (Eds, 2012). *Revisiting Experimental Catchment Studies in Forest Hydrology*. International Association of Hydrological Sciences (IAHS) Publication 353, IAHS Press, Wallingford, UK, ISBN 978-1-907161-31-5.
- **Webb, A.A.** (2012). Reducing wildfire risk in water supply catchments using payments for ecosystem services. In: M. Stone, A. Collins & M. Thoms (Eds), *Wildfire and Water Quality: Processes, Impacts and Challenges*. IAHS Publication 354, 108-115.
- Dragovich, D, **Webb, A.A.** & Jamshidi, R. (2012). Suspended sediment yield following wildfires in a mixed species eucalypt forest, southeastern Australia. In: M. Stone, A. Collins & M. Thoms (Eds), *Wildfire and Water Quality: Processes, Impacts and Challenges*. IAHS Publication 354, 17-24.
- **Webb, A.A.** (2012). Payments for watershed services and the role of experimental catchment studies. In: A.A. Webb et al. (Eds), *Revisiting Experimental Catchment Studies in Forest Hydrology*, IAHS Publication 353: 207-216.

- Walsh, P, **Webb, A.A.** & Thompson, C. (2012). Sediment yield, storage and wood accumulation in ephemeral headwater channels in southeastern Australia. In: A.A. Webb et al. (Eds), *Revisiting Experimental Catchment Studies in Forest Hydrology*, IAHS Publication 353: 185-194.
- R, Jamshidi, D, Dragovich, D. and **A. Webb** (2012). Native forest C factor determination using satellite imagery in paired catchments. In: A.A. Webb et al. (Eds), *Revisiting Experimental Catchment Studies in Forest Hydrology*, IAHS Publication 353: 64-73.
- **I. Hannam**. 'International Perspectives on Legislative and Administrative Reforms as an Aid to Better Land Stewardship' in V. Squires (Ed) *Rangeland Stewardship in Central Asia, Balancing Improved Livelihoods, Biodiversity Conservation and Land Protection*, Springer, Dordrecht, 2012. P 407-430.
- **A. Kennedy and W. Phromlah** '**Behavioural strategies to support climate change resilience**' in *Critical Issues in Environmental Taxation*, Kreiser et al. (Eds.), Edward Elgar Publishing, 2011.
- J. Becker and **A. Kennedy**, '**American Agriculture's Social Licence to Operate**' in *Translating Social Licence: Issues, Challenges & New Directions for Agriculture*, Williams, J. and Martin, P. (Eds.) CSIRO Collingwood, 2011.
- **P. Martin** and **M. Shephard**, '**What is meant by the social licence?**' Chapter 1 in *Defending the social licence of farming: issues, challenges and new directions for agriculture*. J. Williams and P. Martin (eds) pp3-12, CSIRO publishing, 2011.
- C. Stone and **P. Martin** '**The business judgement rule and voluntary reporting**' Chapter 13 in *Defending the social licence of farming: issues, challenges and new directions for agriculture*. J. Williams and P. Martin (eds) pp143-160, CSIRO publishing, 2011.
- **M. Shephard** and **P. Martin** '**The state of social impact indicators: measurement without meaning?**' Chapter 12 in *Defending the social licence of farming: issues, challenges and new directions for agriculture*. J. Williams and P. Martin (eds) pp127-142, CSIRO publishing, 2011.
- **P. Martin** and **J. Williams** '**Renegotiating Farmers' social licence**' Chapter 17 in *Defending the social licence of farming: issues, challenges and new directions for agriculture*. J. Williams and P. Martin (eds) pp195-202, CSIRO publishing, 2011.
- **J. Williams**, '**A conceptual framework for sustainable agriculture**'. In *Defending the Social licence of Farming: Issues, challenges and new directions for agriculture* CSIRO Collingwood, 2011.
- L. Montanarella and **J. Williams** '**Soil conservation in Europe**' in *Defending the Social licence of Farming: Issues, challenges and new directions for Agriculture* CSIRO Collingwood, 2011.
- **J. Williams** and **P. Martin**, '**Defending the Social licence of Farming: Issues, challenges and new directions for agriculture**' CSIRO Collingwood, 2011.
- **M. Shephard** and **P. Martin**.. '**The political discourse of stewardship, reframed as a statutory duty**' in Kim Rubenstein and Brad Jessup (eds.) *Environmental Discourses in International and Public Law*, pp71-95, Cambridge University Press, 2011.
- **P. Martin** and J. Page '**Property: the legal link between people and the soil**' *Encyclopaedia of Soil Science*, 2011, Taylor and Francis
- **I. Hannam**, and Q. Qun. *Law, Policy and Dryland Ecosystems: People's Republic of China*, IUCN Gland, Switzerland and Cambridge, UK, 2011. 140pp.
- **I. Hannam**, 'Human Dimensions of Soil and Water Conservation: Mongolia', in T. Napier (Ed) *Human Dimensions of Soil and Water Conservation: A Global Perspective*, Agriculture Issues and Policies, Nova Science Publishers, Inc, New York, 2011.
- **P. Martin**, J. Shortle '**Transaction costs, risks and policy failure**' in *Critical Issues in Environmental Taxation: International and Comparative Perspectives Vol VIII* Ed. Claudia Dias Soares pp 705-720 Oxford University Press, 2010
- **P. Martin** and K. Werren '**The Use of Taxation Incentives to Create New Eco-Service Markets**' *Critical Issues in Environmental Taxation Volume VII* Edited by Lin-Heng Lye, Janet Milne, Hope Ashiabor, Kurt Deketelaere and Larry Kreiser, Oxford University Press 2009 pp 511-528

- **P. Martin** *'The changing role of Law in the pursuit of sustainability in Bridging the North South Divide'* Ed: M. Jeffrey, J. Firestone, K. Bubna-Litic, IUCN Academy of Environmental Law, Cambridge University Press 2008 (Book chapter) ISBN 978-0-521-88503-4 pp 49-65
- **P. Martin** *'Weeds: new strategies for an old problem in Managing Weeds in a Changing Climate'* 15th Australian Weeds Conference proceedings, 24-28 September. pp. 118-121
- **P. Martin** and M. Verbeek *'Sustainability strategies'* Federation Press 2006 (Book).
- G. Gregory, **P. Martin** *'The anatomy of a health reform agenda'*: 2002-2005 Health issues; 86 pp24-28

Monographs and reports

- **P. Martin**, M. 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 (Invasive Animals Limited, on behalf of the Invasive Animals CRC)
- **G. Pink**, and Lehane J. (2013). *Environmental Enforcement Networks and The Network Evaluation Matrix: Their role in climate change compliance and enforcement*. In Compliance Strategies to Deliver Climate Benefits. INECE, Online <http://inece.org/resource/climate-report/>
- **P. Martin**, M. Verbeek, S. Riley, R. Bartel and **E. Le Gal**: *'Innovations in institutions to improve weed funding, strategy and outcomes'*, Proposals for a national weed institutions research agenda May 2012 RIRDC Publication RIRDC 12/091 ISBN: 978-1-74254-433-5, 113 pages
- **Webb, A.A.** (2012). *Payments for watershed services and other market-based approaches to forest management*. 2011 Gottstein Fellowship report, J.W. Gottstein Memorial Trust Fund, Clayton South VIC, 126pp. <http://www.gottsteintrust.org/media/Webb%202010.pdf>
- **I. Hannam**, (2012). Working Report 1: *Legal and Policy Framework for Grassland NAMA Approach: Background*, ADB R-CDTA 7534 - Strengthening Carbon Financing for Regional Grassland Management in Northeast Asia.
- **I. Hannam**, (2012). Working Paper 2: *Legal and Policy Framework for Grassland NAMA Approach: Outline of Framework*, ADB R-CDTA 7534 - Strengthening Carbon Financing for Regional Grassland Management in Northeast Asia.
- **I. Hannam**, (2012). *Legal and Policy Framework to Support a Livestock/Grassland NAMA in Mongolia*, ADB R-CDTA 7534 - Strengthening Carbon Financing for Regional Grassland Management in Northeast Asia.
- **I. Hannam**, (2012). *Legal Framework for Improving Carbon Management in Grasslands in the People's Republic of China: "A Preliminary analysis of three environmental laws in relation to carbon management"*, ADB R-CDTA 7534 - Strengthening Carbon Financing for Regional Grassland Management in Northeast Asia.
- **P. Martin** and M. Verbeek *'Australia'* within "A comparative assessment of existing policies on invasive species in the EU member states and in selected OECD countries" Bio Intelligence Service [Contract number: 070307/2010/577435/ETU/B2] September 2011, pp 369-400 at http://ec.europa.eu/environment/nature/invasivealien/docs/BIO_IAS Policies2011.pdf
- **I. Hannam**, (2011). Report 1: *Framework and Technical Guidelines for Monitoring the Implementation of Legislation Relevant to SLM in Pamir-Alai*: Workshop Bishkek, Kyrgyzstan 19-23 September 2011, GEF/UNEP/UNU Sustainable Land Management in the High Pamir and Pamir-Alai Mountains.
- **I. Hannam**, (2011). Report 2: *A Framework and Technical Guidelines for Participatory Development of New Legislative Proposals Relevant to SLM in Pamir-Alai*: Workshop Bishkek, Kyrgyzstan 19-23 September 2011, GEF/UNEP/UNU Sustainable Land Management in the High Pamir and Pamir-Alai Mountains.
- **P. Martin**, *'Expert review from a social and economic perspective'* in *Developing the Guide to the proposed Basin Plan: Peer review reports*, pp190-202, Published by the Murray–Darling Basin Authority, ISBN (online) 978-1-921557-77-4, Australian Government, 2010

- R. Bartel, **P. Martin** and C. Stone, '**Harmonising Australia's Environmental Laws: Scoping of Harmonisation of Environmental Regulation and Regulatory Practice across Jurisdictions in Australia**'. Report to the Australasian Environmental Law Enforcement and Regulators Network, February 2011
- **P. Martin, J. Williams, C. Stone, and T. Alter**, (2010). '**Researcher Lessons from Community Partnership and Trans-disciplinary Research in a Peri-urban Setting: The WISER Experience in Western Sydney**'. CRC for Irrigation Futures Technical Report Series No. 05/10. May 2010. At <http://www.irrigationfutures.org.au/news.asp?catID=9&ID=1211>
- **P. Martin, J. Binney, A. Kennedy, J. Williams, and J. Page** '**Evaluation of the Risks and Benefits of Granting Rights in Land**', report commissioned from the Australian Centre for Agriculture and Law and Marsden Jacobs Associates by the Department of Environment, Water, Heritage and the Arts, August 2010.
- **J. Williams, P. Martin, and C. Stone**, (2010). '**Using Ecosystem Services as a Means to Diffuse Political Land Use Decisions in Peri-Urban Regions**'. CRC for Irrigation Future Technical Report Series No. 06/10. June 2010
- **P. Martin and K. Werren**, '**Discussion paper: An industry plan for the Victorian environment**'? Dept of Sustainability and Environment, Victoria (2009)
- **P. Martin, J. Williams and C. Stone**: '**Transaction costs and water reform: the devils hiding in the details**' Cooperative Research Centre for Irrigation Futures Technical Report UNE CRCIF 9.1 <http://www.irrigationfutures.org.au/newsDownload.asp?ID=768&doc=CRCIF-TR0808-web.pdf>
- S. Wiedemann, R. Davis, E. Zadow, E. McGahan, P. Watts, W. Nielsen, D. Cottle and **P. Martin** (UNE) '**Review of GHG and Water in the Red Meat Industry – Report 1**' Meat and Livestock Australia, October 2009
- **P. Martin, K. Werren, S. Shearing** '**Concepts for private sector funded conservation using tax-effective instruments**' Land & Water Australia PR071389, November 2007.
- **P. Martin, R. Bartel, J. Sinden, N. Gunningham and I. Hannam** '**Developing a Good Regulatory Practice Model for Environmental Regulations Impacting on Farmers**' Australian Farm Institute and Land and Water Australia 2007, ISBN978-0-9803460-4-6
- **P. Martin, M. Verbeek, Sophie Thomson, Julie Martin** '**The Costs and Benefits of a Proposed Mandatory Invasive Species Labelling Scheme**', September 2005. ISBN 1 921031 00X
- **P. Martin**, '**Lessons, Learning From Down Under**' The Environmental Forum, May/June 2013 p35
- **P. Martin, and J. Williams**, (2010). '**Policy Risk Assessment**'. CRC for Irrigation Futures Technical Report Series No. 03/10. March 2010
- **J. Williams** 2009 '**Traveston Crossing Dam 2020: Sustainable Infrastructure Delivery: Indicators Projects Overview**'. Report for Queensland Water Infrastructure, Brisbane.
- **J. Williams, I. Sauer, C. Love, G. English, M. Jackson, J. Cherry, G. Sansom, B. Wood, A. Russell, J. O'Sullivan, S. Ecker** (2008) '**A National Framework for Sustainable Agriculture**' Report prepared for DAFF from Canberra Stakeholders Workshop August 2007.

Journal Articles

- Jamshidi, R., Dragovich, D. & **Webb, A.A.** (2014). Distributed empirical algorithms to estimate catchment scale sediment connectivity and yield in a subtropical region. *Hydrological Processes*, 28: 2671-2684
- **P. Martin, A. Kennedy, J. Page, and J. Williams**, 'Environmental Property Rights in Australia: Constructing a New Tower of Babel', (2013) 531(1) *Environmental Planning Law Journal*.
- B. Bryan, W. Meyer, A. Campbell, G. Harris, T. Lefroy, G. Lyle, **P. Martin, J. McLean, K. Montagu, L. Rickards, D. Summers, R. Thackway, S. Wells, M. Young**, '**The second industrial transformation of Australian landscapes**', *Current Opinion in Environmental Sustainability*, Available online 24 June 2013, ISSN 1877-3435, <http://dx.doi.org/10.1016/j.cosust.2013.05.011>.
- **P. Martin**, (2013). '**The risks of using REDD+ to manage rich socio-ecological systems**'. *International Journal Of Rural Law And Policy*. Retrieved from <http://epress.lib.uts.edu.au/journals/index.php/ijrlp/article/view/3352>
- **Webb, A.A. & Hanson, I.L.** (2013). Road to stream connectivity: implications for forest water quality in a subtropical climate. *British Journal of Environment and Climate Change*, 3(2): 197-214,

- Jamshidi, R., Dragovich, D. & **Webb, A.A.** (2013). Catchment scale geostatistical simulation and uncertainty of soil erodibility using sequential Gaussian simulation. *Environmental Earth Sciences*,
- **Webb, A.A.** & Jarrett, B.W. (2013). Hydrological response to wildfire, integrated logging and dry mixed species eucalypt forest regeneration: the Yambulla experiment. *Forest Ecology and Management*, 306: 107-117
- Jamshidi, R., Dragovich, D. & **Webb, A.A.** (2013). Estimating catchment-scale soil loss in managed native eucalypt forests, Australia. *Forest Ecology and Management*, 304: 20-32..
- **Webb, A.A.**, Kathuria, A. & Turner, L. (2012). Longer-term changes in streamflow following logging and mixed species eucalypt forest regeneration: The Karuah experiment. *Journal of Hydrology*, 464-465: 412-422.
- **Webb, A.A.**, Dragovich, D & Jamshidi, R (2012). Temporary increases in suspended sediment yields following selective eucalypt forest harvesting. *Forest Ecology and Management*, 283: 96-105.
- **Webb, A.A.** & Kathuria, A. (2012). Response of streamflow to afforestation and thinning at Red Hill, Murray Darling Basin, Australia. *Journal of Hydrology*, 412-413: 133-140.
- **Webb, A.A.** (2012). Can timber and water resources be sustainably co-developed in south-eastern New South Wales, Australia? *Environment, Development and Sustainability*, 14: 233-252.
- J. Becker and **P. Martin** '**A tale of two systems: conflict, law and the development of water allocation in two common law jurisdictions**' in *International Journal of Rural Law and Policy*, p. 1-19, 2011.
- **P. Martin** and **A. Kennedy**, '**Water management in rural Australia: The human rights dimension**', *Human Rights Defender*, Vol 20 (2) June 2011, 12-15.
- **P. Martin** and N. Gunningham, '**Leading reform of Natural Resource Management Law: Core Principles**' in *Environmental Planning and Law Journal* No. 1, 2011 pp137-158
- **M. Shephard** and **P. Martin** '**Using the moot court to trial legislation about land stewardship**', Elsevier Land Use Policy Volume 28, Issue 2, April 2011, Pages 371-377
- **P. Martin** and **E. Le Gal** '**Concepts for Industry Co-Regulation of Bio-fuel Weeds**' IUCN Academy of Environmental Law eJournal, Vol 1, May 2010.p. 1-13
- **P. Martin** '**Finding a Partial Cure for Rural Policy Insanity**' *Australian Farm Policy Journal*, Vol. 7. 2, May Quarter 2010 p. 33-42
- M. Burgman, T. Walshe, L. Godden, and **P. Martin**, 2009. '**Designing regulation for conservation and biosecurity**'. *The Australasian Journal of Natural Resources Law and Policy* 13, 93-112.
- **M. Shephard** and **P. Martin**, 2009. '**The multiple meanings and practical problems with making a duty of care work for stewardship in agriculture**' *Macquarie Journal of International and Comparative Environmental Law* Volume (6):191. pp191-215
- **J. Williams** & **P. Martin** '**Ecosystem services: a means to diffuse political land use decisions in peri-urban regions**' *Ecosystems and Sustainable Development* VII 279-291 *WIT Transactions on Ecology and the Environment*, Vol 122, 2009 WIT Press
- **A. Kennedy** and S. Winn, '**An examination of continuing professional education (CPE) opportunities for legal practitioners in rural and regional Australia**' (2011) 15 *Deakin Law Review*.
- **P. Martin**, **J. Williams** and **A. Kennedy** '**Professional Services and Rural Services Poverty**' *Deakin Law Review* Vol 16 No. 1, 2011 pp57-73
- **A. Kennedy**, '**Using Community-Based Social Marketing Techniques to Enhance Environmental Regulation**' (2010) 2 *Sustainability* 1138.
- A. Brower, J. Page, **A. Kennedy**, and **P. Martin**, (2009) '**The Cowboy, the Southern Man, and the Man from Snowy River: The Symbolic Politics of Property in the US, New Zealand, and Australia**', 21 *Georgetown International Environmental Law Review* 455, 2009 p. 455-493
- **J. Williams**, (2009) Review of Daniel Connell 'Water Politics in the Murray Darling Basin' *Australasian Journal of Environmental Management* Vol 16 p 48-49
- **J. Williams**, R. Beeton and G. McDonald, 2008 Success attributes of regional natural resource management Issue 3 Volume 3 *International Journal of Sustainable Development and Planning* 2008

- **M. Shephard and P. Martin** '**Social Licence to Irrigate: The Boundary Problem**' Journal of Social Alternatives Vol 2:3 2008 pp32-39
- **P. Martin and M. Jeffrey** '**Using a Legally Enforceable Knowledge Trust Doctrine to Fulfill the Moral Obligation to Protect Indigenous secrets**' NZ Journal of Environmental Law, Vol 11, 2007 pp1-31

Non-refereed Journal Articles / Case Notes

- **A. Kennedy and P. Martin**, '**Recent Developments in Australian Environmental Law and Policy**', IUCN Academy of Environmental Law e-Journal, 2011 (1), p. 47-52.

Refereed Conference Papers

- **A. Kennedy**, R. Coverdale, C. Hart, C. Macken, R. Mortensen, T. Mundy, J. Nielsen, and T. Smith-Ruig, '**Preparing law graduates for rural and regional practice: A new curriculum-based approach**', paper presented at the World Conference on Learning, Teaching and Administration, 25-28 October 2012, Brussels, Belgium.
- **M. Shephard and P. Martin**, '**A statutory duty of care and farmers' natural resource management. XXV European Congress and Colloquium of Agricultural Law**'. Queens' College Cambridge, September 2009.

Conference Papers

- **J. Williams**, (2013) Lessons from Natural Resource Zoning Systems *Mining in a Sustainable World* University of New England Armidale 13th – 15th October 2013.
- J. Aseron; **J. Williams**; N. Grey-Morning; A. Miller; (2013) '**Earth Jurisprudence and Collaborative Governance? Highlighting perspectives from First Nations Peoples and Rural Communities of Australia and North America.**' Wild Law Conference Australian Earth Laws Alliance Brisbane 27th - 29th September 2013.
- **J. Williams** 2013 '**Credit Makers and Credit Takers: Issues of Equity in Australian Government NRM Programs**' He Tapuwae: The Search for Environmental Justice 11th Annual Colloquium of the IUCN Academy of Environmental Law, Hamilton NZ 24th - 28th June, 2013
- J. Aseron, N. Grey-Morning, and **J. Williams** 2013 '**Inclusive Practices and innovative Governance Structures from the Cultural Perspectives of Indigenous Peoples: Highlighting a North American and Australian Experience**' He Tapuwae: The Search for Environmental Justice 11th Annual Colloquium of the IUCN Academy of Environmental Law, Hamilton NZ 24th - 28th June, 2013
- **Webb, A.A.** (2013). Paired Catchment Evidence of the Effects of Commercial Plantations on Water Resources in the Murray-Darling Basin, Australia. *Asia Oceania Geosciences Society Annual Meeting*, Brisbane, 24-28 June 2013.
- **Webb, A.A.** (2013). Long-term hydrological responses to logging, wildfires and mixed species eucalypt forest regeneration. *Asia Oceania Geosciences Society Annual Meeting*, Brisbane, 24-28 June 2013.
- **A. Kennedy**, 'Next Generation of Leaders for Sustainability: Curriculum Innovations from Postgraduate Legal Education', paper presented at the International Greening Education Event, 6-8 November 2013, Karlsruhe, Germany.
- **A. Kennedy**, 'Preparing Students for Rural and Regional Legal Practice: Creating 'place conscious' law curricula', paper presented at the Australasian Law Teachers Association Annual Conference 'Law Teachers as Gatekeepers', 29 September - 1 October 2013, Canberra, Australia.
- **A. Kennedy**, '**Re-imagining the law as an actor in land use conflicts**', paper presented at the Eleventh Annual IUCN Academy of Environmental Law Colloquium, 24-28 June 2013, Hamilton, New Zealand.
- **P. Martin** and D. Craig '**Accelerating the Evolution of Environmental Law through Continuous Learning from applied experience**'. IUCN Academy of Environmental Law research workshop "Towards a Jurisprudence of Environmental Law Implementation", University of Waikato, Hamilton NZ, 22 June 2013

- **W. Prohmlah and P. Martin**, *'REDD+ implementation in Thailand – legal and institutional challenges'* 2013 IUCN Academy of Environmental Law Annual Colloquium, University of Waikato, Hamilton NZ, 24-28 June 2013
- **P. Martin and P. Noble** *'Frontiers of environmental risk governance: some legal dimensions'* 2013 IUCN Academy of Environmental Law Annual Colloquium, University of Waikato, Hamilton NZ, 24-28 June 2013.
- **G. Pink**, (2013) *'Regulators, networks and scholars: individual and collective roles and contributions towards implementation of environmental law'*, paper presented at the Eleventh Annual IUCN Academy of Environmental Law Colloquium, 24-28 June 2013, Hamilton, New Zealand.
- **I. Hannam**, *Legal and Institutional Frameworks: Soil Carbon and Climate Change*, International Colloquium on Climate Change, 6 December 2013 Brasilia, Brazil.
- **G. Pink**, (invited keynote) *Environmental Enforcement Networks: Theory, Practice and Potential*. International Conference Environmental Enforcement Networks: Concepts, Implementation and Effectiveness 13-14 November 2013, Brussels, Belgium.
- **G. Pink**, *'Environmental Enforcement Networks: Their 'value proposition' during times of reducing resources and budgets'*, paper presented at the International Conference Environmental Enforcement Networks: Concepts, Implementation and Effectiveness 13-14 November 2013, Brussels, Belgium.
- **G. Pink**, and J. Lehane, *'Evaluating and assessing the effectiveness of environmental enforcement networks: Through use of the Network Evaluation Matrix'*, paper presented at the International Conference Environmental Enforcement Networks: Concepts, Implementation and Effectiveness 13-14 November 2013, Brussels, Belgium.
- **I. Hannam**, (2013) *Legal and Institutional Frameworks to Manage Soil Carbon Sequestration*, Soil Carbon Sequestration for Climate, Food Security and Ecosystem Services, 26-29 May 2013, Reykjavik Iceland.
- **I. Hannam**, *Options for a Global Soil Instrument*, Global Soil Week, Legal Experts Group Meeting, Potsdam, 5-6 June 2013.
- **I. Hannam**, *Proposed Options and details of an Annex/Protocol*, WCEL Side Event "Soils and Law: the Legal Aspects of Land Degradation Neutrality", UNCCD COP 11 Windhoek Namibia 19 September 2013.
- **P. Martin, A. Kennedy, J. Page, and J. Williams**, *'When Do Too Many Good Economic Instruments Become Bad Legal Policy?'*, paper presented at the **Global Environmental Law at a Crossroads: Tenth Annual IUCN Academy of Environmental Law Colloquium**, 1-5 July 2012, Baltimore, United States.
- **A. Kennedy**, R. Coverdale, C. Hart, C. Macken, R. Mortensen, T. Mundy, J. Nielsen, and T. Smith-Ruig, T., *'Rethinking law curriculum: educational strategies to prepare graduates for legal practice in rural and regional areas'*, paper presented at the International Legal Ethics Conference, 12-14 July 2012, Banff, Canada.
- **J. Williams, A. Kennedy**, and D. Craig, *'Lost in Translation: Threatened Species Law in Australia'*, paper presented at the Tenth Annual IUCN Academy of Environmental Law Colloquium, 1-5 July 2012, Baltimore, United States.
- **P. Martin, J. Williams, and A. Kennedy**, *'The Emerging Institutional Risks from Widespread Adoption of an Ecosystem Services Market Approach to Environmental Governance'*, Pre-Colloquium Workshop - Tenth Annual IUCN Academy of Environmental Law Colloquium: Ecosystem Services, Economic Valuation, and Environmental Equity - Complementary or Contradictory, 30 June 2012, Baltimore, United States.
- **A. Kennedy**, *'Community-based social marketing and the law'*, paper presented at the Soils, Governance and Society Workshop, 4-9 June 2012, Reykjavik, Iceland.
- **A. Kennedy**, R. Coverdale, C. Hart, C. Macken, R. Mortensen, T. Mundy, J. Nielsen, T. and Smith-Ruig, *'Curriculum in context: Reconceptualising undergraduate law teaching to prepare graduates for legal practice in rural and regional areas'*, paper presented at the Second Rural and Regional Law and Justice Conference, 18-20 May 2012, Coffs Harbour, Australia.
- **P. Martin** *'The risks of using REDD+ to manage rich socio-ecological systems'* Singapore Law School Asia-Pacific Centre for Environmental Law (APCEL) 'REDD+ and legal regimes of mangroves, peatlands and other wetlands: ASEAN and the world'. supported by the National Climate Change Secretariat, Singapore, 15 and 16 November 2012
- **P. Martin** *'Kleptocracy, Plutocracy or Democracy? Democratic ideals vs. environmental modernism'* Universite Pantheon-Assas Paris II Centre de recherche sur les droits de l'homme et le droit humanitaire (CRDH) European University Institute Law Department Le Droit De L'environnement: Aspects relatifs aux droits de l'homme,

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- **P. Martin** *'How do we achieve change? NRM in the wider context'* Regional Development Australia conference, "Putting Power back in the Regions" Armidale October 12th 2012
- **P. Martin**, Keynote address *'Prioritising weeds institutional research'* 2012 Australasian Weeds Conference, Melbourne Tuesday October 9 2012
- **J. Williams and P. Martin** 2012 *'Water Governance: a policy risk perspective'* Sustainable Irrigation International Conference, Adelaide 10th to 13th November 2012.
- **J. Williams** and S. Higginson 2012 *'Mining coming to a farm near you'* 2nd National Rural and Regional Law & Justice Conference Coffs Harbour May 2012
- **J. Williams and P. Martin**, 2012 *'Developing Law and Governance Strategies for Peri-urban Sustainability'* Presentation to International Workshop on Urbanisation of Peri-urban Region's Udaipur India February 2012
- **A. Webb**, (2012). Long-term water yield response to wildfires, logging and eucalypt forest regeneration in New South Wales, Australia. *3rd International Conference on Forests and Water in a Changing Environment*, Fukuoka, Japan, 18-20 September 2012.
- **A. Webb**, Dragovich, D. & Jamshidi, R. (2012). Temporary increases in suspended sediment yields following selective eucalypt forest harvesting. *3rd International Conference on Forests and Water in a Changing Environment*, Fukuoka, Japan, 18-20 September 2012.
- **A. Webb**, (2012). Reducing wildfire risk in water supply catchments using payments for ecosystem services. *International Conference on Wildfires and Water Quality*, Banff, Alberta, Canada, 10-14 June 2012.
- D. Dragovich, **A. Webb** & R. Jamshidi, (2012). Suspended sediment yield following wildfires in a mixed species eucalypt forest, southeastern Australia. *International Conference on Wildfires and Water Quality*, Banff, Alberta, Canada, 10-14 June 2012.
- **I. Hannam**, (2012) *Regional Role and Benefits of an International Soil Instrument, Examples from Asian Region: regional cooperation and coordination in managing soil security and soil protection issues*, IUCN World Conservation Congress, Jeju Korea, Workshop Session 0274: Proposal for a Global Soil Convention, 7 September 2012.
- **I. Hannam**, (2012). *Case Study: Tajikistan*, IUCN World Conservation Congress, Jeju Korea, Workshop Session 0241: Environment and Natural Resources during and after Armed Conflict, 10 September 2012.
- **J. Williams**, 2011 *'Environmental and social impacts of Mining'* Mining Forum Dorrigo Environment Watch/EDO, Dorrigo September 2011, 5
- **P. Martin** *'Can anything be done about the institutions that limit the effectiveness of weed management?'* NSW Weeds conference, Monday 18th July 2011, Coffs Harbour
- **P. Martin**, *'Biofuels: Addressing major policy risks'* in Towards 2000, growing our sustainable future. 23-25 November 2011, Sunshine Coast, Queensland.
- **P. Martin** and **J. Williams** *'The Water Act 2007: Hubris without legal safeguards?'* IUCN Academy of Environmental Law, South Africa, 7th July 2011.
- **J. Williams**, 2011 *'Institutional Pathways to Sustainable Agriculture/Next gen governance research'*: Northern Rivers CMA and NRM Northern Collective Coffs Harbour March 2011
- **I. Hannam**, (2011) *International and National Experiences in Law and Policy for Management of Pastureland: Implications for Tajikistan*, International Conference "The Pastures of Tajikistan: Challenges & Perspectives", Dushanbe 28-30 June 2011, ADB Rural Development Project, Tajikistan.
- **P. Martin, J. Williams, C. Stone and T. Alter** *'Learnings from system harmonization in One Water, Many Futures'*, National irrigation industry conference, Sydney 8-10 June 2010
- **P. Martin** and **J. Williams** *'Policy risk assessment of peri-urban water strategies in One Water, Many Futures'*, National irrigation industry conference, Sydney 8-10 June 2010
- **P. Martin**, invited presentation *'The future of natural resource governance'*, Municipal Association of Victoria National Environment Conference *Transitioning to a climate resilient future*, Melbourne Victoria 15-16 April 2010

- J. Becker, A. Luloff, J. Finley, **P. Martin**, and **A. Kennedy**, **'Towards a contemporary behavioural science basis for effective regulation'**, paper presented at the Eighth Annual IUCN Academy of Environmental Law Colloquium, 13 – 17 September 2010, Ghent, Belgium.
- **A. Kennedy**, and **W. Phromlah**, **'Using behavioural tools to support economic instruments for climate change resilience'**, paper presented at the 11th Global Conference on Environmental Taxation Issues (GCET), 3-5 November 2010, Bangkok, Thailand.
- **A. Kennedy** and **S. Winn**, **'Using technology to increase support for rural and regional legal professionals'**, paper presented at the National Rural / Regional Law and Justice Conference, 19-21 November 2010, Warrnambool, Victoria, Australia.
- **P. Martin**, **J. Williams**, and **A. Kennedy**, **'Professional networks and rural services poverty'**, paper presented at the National Rural / Regional Law and Justice Conference, 19-21 November 2010, Warrnambool, Victoria, Australia.
- **P. Martin** and **E. LeGal** **'Risk-focused bio-fuel law: the weeds case study'** IUCN Academy of Environmental Law Second Biofuels Colloquium, Ottawa, June 18, 2010
- **P. Martin**, invited presentation **'The future of natural resource governance'**, Municipal Association of Victoria National Environment Conference *Transitioning to a climate resilient future*, Melbourne Victoria 15-16 April 2010
- **P. Martin** and **E. LeGal** **'A Canadian/Australian approach to implementing legal innovations management of the biofuel energy weed risk'** ACSANZ Conference 4-7 July 2010
- **P. Martin** **'Rural communities: Resilient and resurgent'?** Sustaining Rural Communities Conference, Narrabri NSW, April 19, 2010
- **P. Martin**, invited paper **'Innovative environmental law and regulation'** Knowledge for Managing Australian Landscapes Conference, Shine Dome Canberra May 18 2010
- **P. Martin** and **J. Williams**, 2010 **'Policy risk assessment of peri-urban water strategies: a case study of Western Sydney'** One Water Many Futures Australian Irrigation Conference and Exhibition June 8th to 10th Sydney.
- **P. Martin**, **J. Williams**, **C. Stone**, and **T. Alter**, 2010 **'Learnings for system harmonization: the WISER experience'** One Water Many Futures Australian Irrigation Conference and Exhibition June 8th to 10th Sydney.
- **J. Camkin**, **G. Starky**, **K. Bristow**, **P. Martin**, **J. Williams**, **B. Maheshwari**, **B. Simmons**, **B. Davidson**, **H. Malano**, **M. Hafeez**, and **J. McKay**, 2010 **'The role of engagement, collaboration and co-learning in delivering system harmonization'** One Water Many Futures Australian Irrigation Conference and Exhibition June 8th to 10th Sydney
- **J. Williams** and **A. Arnald**, 2010 **'Caring for our soils: lessons for Iceland and Australia'** Soils, Climate and the Melting North European JRC Reykjavik, Iceland June 3rd-4th 2010.
- **J. Becker**, **A. Luloff**, **J. Finley**, **P. Martin**, and **A. Kennedy**, **'Regulatory Reform: Incorporating Social and Behavioral Science Principles into Law and Regulation'**. IUCN Academy of Environmental Law, Thursday, Ghent 04 November 2010.
- **P. Martin**, **'Rural sustainability, laws and institutions: My message in a bottle'**. Land & Water Australia Legacy Conference: Knowledge for Managing Australian Landscapes, Canberra, Australia, 18th - 19th May, 2010
- **P. Martin** and **E. LeGal** **'Risk-focused bio-fuel law: the weeds case study'** Biofuels Working Group, IUCN Academy of Environmental Law Wuhan, China, November 5, 2009
- **P. Martin** and **A. Kennedy**, **'Creating network-based innovations for improving the supply and welfare of rural health professionals'** 10th National Rural Health Conference. Cairns May 2009. (published proceedings)
- **J. Williams** and **P. Martin** (2009) **'Ecosystem services: a means to diffuse political land use decisions in peri-urban regions'** Seventh International Conference on Sustainable Development and Planning, Siena Italy.
- **P. Martin**, **J. Williams**, and **A. Kennedy**, **'Creating next generation rural landscape Governance'** paper presented at the Seventh Annual Colloquium of the IUCN Academy of Environmental Law 2009, 5 November, Wuhan, China.
- **P. Martin** **'Cross pollination or cross-contamination? Directions for informing the management of invasives with market-economy concepts'** Keynote address, Proceedings of the 16th Australian Weeds Conference eds R. Van Klinken, V. Osten, F. Pancetta and J. Scanlan, May 2008, Queensland Weeds Society pp 6-13

- **P. Martin** and **J. Williams** *'The missing leg in rural innovation research'* Primary Industries Innovation Centre Symposium *New Pathways to the Adoption and Diffusion of Primary Industries Innovations* University of New England 24-25 November 2008.
- **P. Martin** *'How can we harness market, regulation and social marketing to support climate adaptation?'* Climate Change, Sea Level Rise and Wetland Adaptations Sydney Olympic Wetland Education & Training (WET) Program Sydney Olympic Park Authority, June 5 2008
- **P. Martin** *'Economic risks and opportunities with Global Warming'*, NSW Farmers' Association Annual Conference Monday 16 July 2008
- **P. Martin** *'The Next Conservation Business Model'* Macquarie University Centre for Environmental Law, 14th August 2008
- **P. Martin** and **J. Williams** *'The missing leg in rural innovation research'* Primary Industries Innovation Centre Symposium *New Pathways to the Adoption and Diffusion of Primary Industries Innovations* University of New England 24-25 November 2008.
- **P. Martin** *'Incentives and disincentives: a systematic approach'* Invited paper, International Forum: Soils, Society & Global Change; 31 August–4 September 2007, Selfoss, Iceland Conference proceedings pp160-164
- **P. Martin** *'Understanding Carbon on Farms forum'* Southern New England Landcare and NSW Farmers, Walcha Golf Club, Thursday 28th June, 2007
- **P. Martin** Session Convenor, *'Climate Change and Agriculture – Impacts and Adaptation'* in the Namoi Catchment Powerhouse, Tamworth, Thursday 22 March 2007, and paper on *'Emerging Markets and Opportunities'*
- **P. Martin**, NSW Bar Association Annual Conference, 17 March 2007: *'Aboriginal secrets, commercial secrets: Exploring new uses of old law'*
- **P. Martin**, NSW Bar Association Nth Coast Mini-Conference, 17 Feb 2007 *'Legal issues and rural communities'*
- **P. Martin**, Session Convenor Primary Industries NSW Premier's Climate Change Impacts and Adaptation Research Summit 23 Feb 2007 and paper *'A Climate for Change'* available from www.greenhouse.nsw.gov.au
- **P. Martin** *'Institutional barriers to the adoption of innovations in sustainable primary production'*, Facilitating adoption of no-tillage and conservation farming practices conference at the Sustainable Farming Training Centre Tamworth Agricultural Institute, NSW Department of Primary Industries, 29–30 March 2006.
- **P. Martin** *'Taxation Incentives & Instruments'* NSW Farmers' Association Annual Conference Monday 17 July 2006
- **P. Martin**, *'Replenishing The Coastal Zone Management Toolkit'*, NSW Coasts conference November 2006
- **P. Martin**, *'Towards a heuristic framework for choice and mix of instruments for NRM'*. 11 May 2006. Land and Water Australia Integration and Natural Resource Management Lunchtime Seminar Series.
- **P. Martin**, *'Are we overburdening regulation?'* Australasian Environmental Law Enforcement and Regulators Conference, Brisbane, October 27 to 30 2005
- **P. Martin**, *'Attacking the Big coastal challenge'*, 3rd West Australian Coastal Conference, Balancing the Waves of Change, 16-18 November, 2005
- **P. Martin** *'Environmental Law: Drowning in ineffective Legislation'* 2005 Proceedings of Ecopolitics XVI [16]: Transforming Environmental Governance for the 21st Century, p. 50-63 -- isbn:190295239X Griffith University, Australia, 4-6 July, 2005
- **P. Martin** *'Just what are we trying to manage, anyway?'* In Australian Values – Rural Policies: Proceedings of a Symposium held in Old Parliament House, Canberra in the Year 2000 RIRDC 2005
- **P. Martin** and M. Verbeek *'Rights, institutions and sustainability. How can we make it work?'* in Agriculture for the Australian Environment. B.P. Wilson and A. Curtis Eds. Johnstone Centre, Charles Sturt University, 2003.

Submissions and evidence

- **P. Martin** Invited submission and evidence to Standing Committee on Natural Resource Management Legislative Assembly Parliament, Feb 14 (submission) and Feb 21, 2006 (hearing).
- **P. Martin** and **E. LeGal**, *'Submission on the issues paper for the review of weed management in NSW,'* 28 Nov 2013, NSW Natural Resources Commission (NRC).

- **P. Martin** *'Submission to the Inquiry on the Management of the Murray Darling Basin'* Senate Standing Committee on Rural Affairs and Transport 30/11/2011
- **P. Martin, J. Williams,** and R. Bartel, *'Submission on future regulatory reform, with a focus on the rural sector'* BRCWG Secretariat Deregulation Group, Department of Finance and Deregulation 14/10/11
- **P.Martin,** Invited submission and evidence to Standing Committee on Natural Resource Management Legislative Assembly Parliament, Feb 14 (submission) and Feb 21, 2006 (hearing).