

THE AUSTRALIAN CENTRE FOR AGRICULTURE AND LAW



2016 Annual Report

une
University of
New England

The Australian Centre
for Agriculture and Law

2016 - Celebrating the past, looking to the future...

At the end of 2015, The Australian Centre for Agriculture and Law marked its 10th anniversary. At a celebratory event held in Armidale, Tony Windsor (former Federal independent member for New England) spoke of the innovative work undertaken by the Centre during its first 10 years of existence, and praised the pioneering work of the Director, Professor Paul Martin, and his team of staff. The 10th anniversary celebration was followed by a research symposium, where key stakeholders participated in setting the agenda for future research priorities for the AgLaw Centre. Participants took part in a series of roundtable discussions to set out their research needs, as well as design new collaborative research projects.

2016 marked the first steps towards the next phase of the AgLaw Centre's work, and this report highlights some of the research achievements and publications produced by the Centre over the last year (including previously unreported highlights from late 2015).

Research Highlights

IACRC

The Centre hosts Program 4 of the Invasive Animals CRC research strategy, concerned with improving the implementation of national and state policies for managing invasive animals. The program is led by Professor Martin, and involves a number of AgLaw staff and collaborators. The 2016 IACRC Masterclass in Leadership and Community Engagement was held over 5 days in May 2016 at the Muresk Institute in WA. 32 participants from a range of government and non-government research partners were nominated to attend. Each participant identified a specific community engagement project to work on, providing a concrete example for the participants to reference as they worked through online preparation tasks and the week long workshop.



The convening team included researchers, practitioners and engagement specialists from Australia and the USA, part of an ongoing collaboration between the University of New England and Pennsylvania State University.

The aim was to better equip future leaders in invasive species management with new knowledge and deeper understanding about the way they work with community. A Masterclass is different to a traditional training course. The target audience are experienced and competent adult learners, with a lot of personal knowledge to share. The approach was not to tell participants what they should think but to help them discover their own philosophies

and strategies for more effective engagement, and to work collaboratively to share knowledge and ideas.

The Masterclass provided the opportunity for participants to share their knowledge and experience with each other, and with specialists who could help them to refine their approach to working with communities. The style was highly interactive, with learning based on facilitated dialogue and regular reflection on what was useful, challenging and stimulating. Participants explored engagement approaches that have proven to be successful in Australia and in the USA.

Key topics included:

- The practical and philosophical foundations of working ‘with and for’ citizens in managing invasive species;
- Using collaborative systems mapping to prepare for engagement, illustrated by the successful community-based Victorian rabbit action network strategy (VRAN);
- Proven approaches to the design of an engagement strategy, with illustrations from Australia and the USA.
- Implementation of engagement, illustrated by wild dog and pig projects, with further examples from other rural community engagement initiatives;
- Embedding evaluation and continuous improvement in community engagement in invasive animals.



Photo credit: WA Department of Primary Industries & Regional Development. Convenors and attendees of Muresk Masterclass

An important part of the work within this program was an in-depth national investigation of the institutional impediments to effective citizen action, led by Professor Martin, and

involving Dr Elodie Le Gal and Vivek Nemane, along with Professor Darryl Low Choy from Griffith University. That extensive consultation and research program resulted in two major publications suggesting law and policy reforms: Martin P. and Low Choy D. (2016). Recommendations for the reform of invasive species management institutions. PestSmart Toolkit Publication, Invasive Animals Cooperative Research Centre: Canberra and Martin P, Low Choy D, Le Gal E and Lingard K. (2016). Effective Citizen Action on Invasive Species: The Institutional Challenge. Invasive Animals Cooperative Research Centre: Canberra. These provide a clear direction for institutional reforms to address one of Australia's major agricultural and environmental challenges.

Next Generation Governance

2015 was a busy year finalising the Next Generation Rural Landscape Governance ARC funded research activities including final reporting and exploring opportunities for further research building on the research outcomes. This involved presenting the findings to stakeholders in the case study regions of Northern Tasmania and the Namoi catchment in NSW, and to Australian Government policy stakeholders during June 2015 as a road trip. The findings were presented in a workshop where feedback was gathered from the stakeholders as to the foundations for future research and implementation. The contribution of Dr Jacqueline Williams to this team-based research project involved quantitative and qualitative evaluation of regional NRM bodies in Australia and social justice issues and transaction costs of the current NRM

governance in Australia. A research report from this collaborative work with Tamar Valley farmers and their environmental contributions was released as part of the Next Generation Rural Landscape Governance workshop activities in Launceston, in June 2015 (see article above). This, and the results from the evaluation of regional NRM bodies in Australia, will be featured in Dr Williams' forthcoming book *'Natural Resource Governance in the Antipodes: The Australian Experience'* to be published by Springer Publishing in 2017.

ARC Discovery Early Career award – Managing Land Use Conflict

Associate Professor Amanda Kennedy completed her ARC DECRA-funded research project in 2016 on 'Effective Systems for Managing Natural Resource Conflict'. She presented her

Farmers' \$8m land care lauded

By MICHELLE WISBEY

A NEW report has put an \$8 million price tag on the environmental contribution that Tamar Valley farmers make to their land.

Produced in collaboration with the Tamar Valley branch of the Tasmanian Farmers and Graziers Association and Tamar Natural Resource Management, the independent report looked into the environmental and economic benefits of work that was performed by landowners.

Tamar Valley branch chairman Ian Sauer said the report was about recognising the financial contribution farmers made through weed management, fencing, re-vegetation and other farming practices.

"By doing a sample of 6 per cent of the farmers in the Tamar Valley, they contribute \$500,000 a year of their own money to natural resource management outcomes," Mr Sauer said.

"If you extrapolate that out to 100

per cent of the farmers, which we didn't survey, it's \$8 million.

"It was amazing when the Tamar Valley branch started getting these figures – even the farmers were amazed."

Mr Sauer said the report, undertaken by Dr Jacky Williams, of the Australian Centre for Agriculture and Law, found that these investments remained almost invisible to governments and members of the community.

"It's about all the work that farmers do on their farms, like landcare work, that goes completely unrecognised," he said.

"There's a public benefit to it, it's preserving patches of bush, it's fencing off streams to get better water quality and increasing biodiversity."

"This is what farmers want to do – they don't have to do it but they do."

Mr Sauer said that there was a need for policy reforms to support the rural communities who were managing the Australian landscape.

research findings at a number of international conferences, including the IUCN Academy of Environmental Law Colloquium in Oslo, and the International Rural Sociology Association conference in Toronto, Canada in 2016. In 2017, a monograph of her research project entitled 'Environmental Justice and Land Use Conflict: The Governance of Mineral and Gas Resource Development' will be published by Routledge. Associate Professor Kennedy's work on this project will also inform a new ARC Discovery project which commences in 2017, 'Water and coal seam gas: achieving integrated governance'. The project will build on Associate Professor Kennedy's previous work, and will see her join with Associate Professor Cameron Holley (UNSW) and Professor Clifford Shearing (Griffith University) to continue work in this space.

In 2016, Amanda jointly authored a chapter with Professor Paul Martin, 'Intra-national Rivalries: A Submerged Aspect of Transboundary Water Governance', published in an edited book on 'Trans-jurisdictional Water Law and Governance'. The volume brings together leading international environmental law scholars to diagnose barriers and identify pathways to coherent and coordinated institutional arrangements for the governance of water. Professor Martin and Associate Professor Kennedy's contribution drew upon the AgLaw Centre's research work addressing conflict over natural resources. The book is available online at: <https://www.routledge.com/Trans-jurisdictional-Water-Law-and-Governance/Gray-Holley-Rayfuse/p/book/9781138928275>

Stakeholder Engagement

'Too Important to Fight About': Native Vegetation forum

On the 12th February 2015, the Australian Centre for Agriculture and Law hosted a forum on managing native vegetation. Native vegetation management has been a highly polarised policy area in New South Wales and other states for decades. The aim of the forum was to promote a balanced discussion that encourages stakeholders to find common ground and constructive strategies to protect biodiversity, support agriculture and sustain regional communities. Speakers included the NSW Minister for the Environment, The Hon. Rob Stokes MP; Dr Neil Byron, Chair of the Review of Biodiversity Legislation in NSW; a farmer who has been impacted by Vegetation regulations; an ecologist and an agricultural consultant. The discussion session was moderated by Professor Paul Martin, Director of the Australian Centre for Agriculture and Law.

AgLaw Centre Team Meeting

The AgLaw Centre held a successful team meeting at the UNE SMART Farm Innovations Centre on 1st August 2016. Nineteen people, including researchers working directly at the Centre, as well as adjuncts, associates and friends of the Centre, contributed to a range of lively discussions during the day. These included invasive species governance, emerging legal issues of farm technologies, innovation and leadership in rural environmental management, the role environmental psychology in developing legal interventions, international soils governance, improving indigenous peoples' access to the benefits of resource sharing, financial

instruments for reducing environmental risks, legal frameworks that reward sustainable agriculture, and governance support for large, landscape-scale conservation efforts. Participants also workshopped strategies for the AgLaw Centre to continue its work into the future. UNE’s SMART Farm Innovations Centre on the University’s research property, Kirby Farm, just outside of Armidale provided a very fitting and beautiful venue for the meeting.



Backrow from L-R: Ian Hannam, Ashley Webb, Katrine Dickson, Jacky Williams, Patty Please, Elodie Le Gal, Kylie Lingard, Tanya Howard. Front row L-R: Vivek Nemane, Andrew Lawson, Paul Martin, Mark Perry

International Engagement

IUCN Academy of Environmental Law



Throughout 2015 and 2016, the Centre continued its strong engagement with the IUCN Academy of Environmental Law. At the Academy’s 2015 Colloquium held in Jakarta in September 2015, Professor Paul Martin was elected to the governing board of the Academy. He is also a member of the Academy’s Research Committee which met to plan further research activities. The photo right shows the members of the IUCN

Academy of Environmental Law Research Committee.

Also at the Jakarta Colloquium, two books co-edited by AgLaw staff were formally launched - 'The Search for Environmental Justice' (Edward Elgar Publishing ISBN 978-1784719418) and 'Implementing Environmental Law' (Edward Elgar Publishing ISBN 978-1783479290). The photo (right) shows Professor Paul Martin and Associate Professor Amanda Kennedy at the book launch, accompanied by some of the contributors to these two books, including Chief Justice Brian Preston of the NSW Land and Environment Court, Associate Professor Cameron Holley (UNSW), and Professor Solange Teles Da Silva from Brazil.



At the 2016 Colloquium, held in June in Oslo, Norway, Associate Professor Amanda Kennedy and Professor Paul Martin presented a paper with Chief Justice Brian Preston of the NSW Land and Environment Court (pictured left). The paper, entitled 'Bridging the gap between aspiration and outcomes: The role of the court in ensuring ecologically sustainable development', explored

the ways in which the role of the judiciary in implementing principles of ecologically sustainable development may be constrained by non-judicial system factors, including social and political factors. The paper drew upon Associate Professor Kennedy's research on the Bulga case in NSW, which she is exploring as a part of a broader research project on environmental justice and land use conflict concerning the development of extractive industries.

Professor Martin also designed and led the annual international Research Workshop at this Colloquium. That workshop involved a lead researchers from a number of countries and disciplines in exploring new methods of environmental law research. He also continued to lead an international collaboration on the evaluation of the effectiveness of environmental law, involving teams from countries including Australia, New Zealand, South Africa, China, and Brazil. This work was summarised in a report from the IUCN Environmental Law Centre in Bonn, Germany. The method is now being further developed and applied in a number of countries, as part of a significant research collaboration.

New Zealand

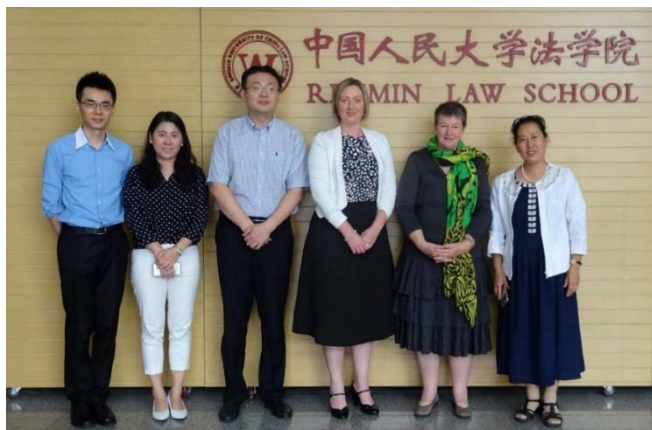
Dr Jacqueline Williams presented at the Agrifood Research Network Conference in Queenstown in December 2015 on her research on food systems governance and social justice illustrated through comparative case studies of the Great Barrier Reef in Queensland and Canterbury in New Zealand. The paper explores the impacts of regulating farming activities to improve water quality highlighting the perverse impacts of over-reliance on computer modelling and the social justice issues of such policies.

China

Throughout 2016, the AgLaw Centre worked with the School of Law to strengthen its various relationships with institutions in China. In early 2016, Associate Professor Amanda Kennedy and Dr Jacqueline Williams joined staff from the School of Law in visiting Staff from the School of Law recently visited Yantai University in Shandong, China. A memorandum of understanding was signed between the two law



schools, providing future opportunities for staff and student exchange, as well as academic collaboration. To commence this new partnership, an academic conference was organised by the two institutions – the first Sino-Australian Agricultural Law Forum. The picture above shows Amanda Kennedy about to present her research at this event. Staff present from UNE included Professor Michael Stuckey (Head of the School of Law), Associate Professor Amanda Kennedy (Deputy Director, AgLaw Centre), Dr Jacqueline Williams (Senior Researcher, AgLaw Centre), Dr Ying Chen (Lecturer, School of Law) and Jackie Su (Regional Manager UNE International). Representing Yantai University were Xijun Zhang (Director, International Office), Professor Pinghua Zhang (Dean of the School of Law), Xiaoxiao Bi (School of Law). Also present at the Forum were representatives from Shandong Agricultural University, and Soochow University from Taiwan.

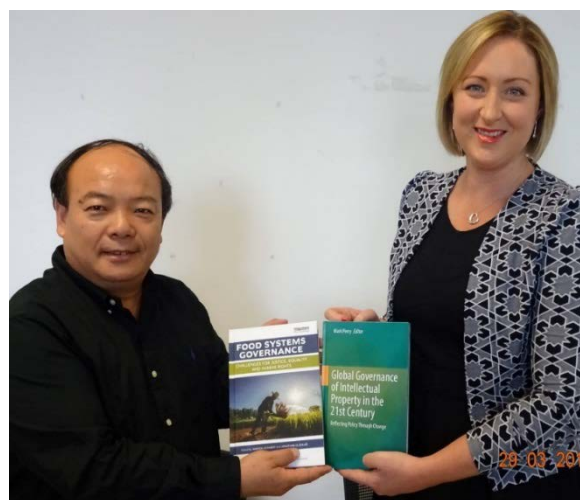


In September, Associate Professor Amanda Kennedy returned to China with Associate Professor Lillian Corbin and Dr Wei Wen from the School of Law to visit Renmin University in Beijing. They met with Professor Shi, who oversees international relations in the School of Law, as well as Professor Sheng and Dr Sun from the School of Law's Food Governance research centre.

Opportunities for research collaboration were discussed, particularly involving the AgLaw Centre. Pictured left are (l-r) Dr Wen, Dr Sun, Professor Shi, Associate Professor Kennedy, Associate Professor Corbin, and Professor Sheng.

After this meeting, Associate Professor Kennedy and Associate Professor Corbin attended a conference at the Ministry of Agriculture's Agricultural Law Research Centre on 'Agricultural Law in China and Australia'. The conference involved participants from the Ministry of Agriculture and several universities, including Renmin University. Associate Professor Kennedy delivered a presentation on key agricultural law issues in Australia which have been the subject of the AgLaw Centre's research.

Associate Professors Kennedy and Corbin also visited Beijing Foreign Studies University to discuss future collaboration opportunities between our two universities, including a planned conference in 2017 on the topic of free trade agreements. At the meeting, Associate Professor Kennedy presented Dean Meng Wan, Head of the BFSU Law School, with two UNE-staff edited books which arose from previous conferences co-hosted by the two institutions. Together with Dr Jonathan Liljeblad, Associate Professor Kennedy edited the volume on 'Food Systems Governance'; while the second volume on intellectual property law was edited by Professor Mark Perry.



Professor Mark Perry addressed the "Flux in the Force" conference in Beijing on the exploration into patents related to crop pests and plant gene patents. By mapping the relationship between patents in the agricultural sector it is possible to gain insight as to the focus genes and technologies of research in industry and universities. This was later

developed in a paper with Kylie Lingard, “Innovation Cartography and Patentomics: Past, Present and Future” in Perry, M. (Ed.) *Global Governance of Intellectual Property in the 21st Century* (Springer 2016) in Perry, M. (Ed.) *Global Governance of Intellectual Property in the 21st Century* (Springer 2016).

Throughout 2016, Dr Jacqueline Williams undertook further work to progress Paddock to Plate Integrity and the China-Australia Free Trade Agreement. This included presentations at two Conferences in Beijing and Yantai, China. A workshop and stakeholder interviews and meetings were held in Tasmania to further a research grant in collaboration with Chinese research institution partners and submitted to the Australian Trade and Market Access Cooperation Program.

Paul Martin presented a paper on enforcement at the International Conference on Compliance and Enforcement of Environmental Law, in September 2016, at Wuhan. The conference was Co-organized by Research Institute of Environmental Law, (RIEL), Wuhan University, China; Faculty of Law, Ghent University, Ghent, Belgium and China Society of Environmental and Resources Law (CSERL). He also presented on Research of Agricultural Governance: issues, methods and opportunities, at the Central China Normal University Law School and the Center of China Rural Studies in Wuhan.

Other collaborations

The Centre continued its collaboration with colleagues in Brazil, from the Mackenzie Presbyterian University in Sao Paulo, and UniCEUB in Brazilia. This included a number of seminars and meetings, and the establishment of a research collaboration on ‘governing for megadiversity’. One highlight was an event part sponsored by the state of Piaui, on water governance, with a keynote by Professor Martin. The state government has proposed a further event, involving a larger number of academics from the University of New England, to be run in 2018.

Prizes and Achievements

At the 2016 IUCN Academy of Environmental Law Colloquium held in Oslo, Norway, Amanda Kennedy was presented with the 2016 Emerging Scholar Education Award (left). The Award recognises significant and diverse contributions to education and learning on environmental law by emerging faculty. Such contributions include teaching specialised courses to undergraduate and graduate students, delivering clinical programs that expose students to



the practice of environmental law, and supervising students who are undertaking advanced research in Masters and PhD programs. Amanda was recognised particularly for her work on the highly specialised multi-disciplinary ‘Master of Natural Resource Governance’, coordinated by the AgLaw Centre. This unique program, whilst grounded in law, also looks to the social context of natural resource law and policy. It has a strong focus on strategy and strategic thinking, and encourages students to think critically about the role of the law in regulating natural resource use. In addition to foundation subjects in law, students have the ability to specialise in a range of areas relevant to natural resource management and policy, including various biophysical sciences, environmental advocacy and education, and environmental psychology.

Graduations



Three of our higher degree research students graduated with a Doctor of Philosophy in the March and October Graduation ceremonies. Tanya Howard’s thesis “Improving the ‘Rules of Engagement’: Understanding how participatory processes are defined, experienced and implemented in Australia natural resource governance” considers how high-level commitments to community

engagement are implemented in natural resource governance.

Kylie Lingard’s research focused on legal support for the interests of Aboriginal and Torres Strait Islander peoples in bush food commercialisation. Kylie received the UNE Chancellor’s Medal for her thesis “Legal and Institutional Strategies to Support the Interests of Aboriginal and Torres Strait Islander Peoples in Bush Food Commercialisation”.

Andrew was awarded his PhD in October 2016. His thesis was entitled ‘Farmers, voluntary stewardship programs, and collaborative natural resource governance in rural Australia’. The thesis developed an ex ante evaluation framework for non-government voluntary stewardship programs for farmers, specifically targeting their potential contribution to new environmental governance arrangements. The framework was tested on three sustainability

certification schemes for farmers – Certified Land Management (ALM Group) and two organic standards – Australian Certified Organic and NASAA. Andrew was supervised at the AgLaw Centre by Dr Jacqueline Williams, Prof. Paul Martin, and Adjunct Assoc. Prof. Andrew Monk. The research was supported by the Australian Research Council through a Linkage Project, with Australian Organic Ltd as industry partner, and by the ALM Group as part of a project funded by the Australian Government.

Congratulations to Tanya, Kylie and Andrew.

Adjunct Highlights

Grant Pink



Grant is an Adjunct Associate Professor (Regulation and Enforcement) in the School of Law at the University of New England. He has more than 25 years regulatory and enforcement experience spanning practitioner, management, executive and academic roles, having operated at local, state, national and international levels. Grant has also contributed to UNE's international engagement activities and made linkages with International Governmental Organisations such as INTERPOL, the United Nations Environmental Program and the Secretariat for the Convention on International Trade in Endangered Species, and researchers and research institutions. In October 2015 Grant co-edited a book with Professor Rob White (UTAS) entitled *Environmental Crime and Collaborative State Intervention*.

Throughout 2015 and 2016, Grant was invited to a number of events where he represented UNE. These included:

- September 2016, invited presenter 'Combating the illegal wildlife trade: Through use of different types of regulatory and enforcement networks', International Consortium on Combating Wildlife Crime, *Second Global Meeting of The Wildlife Enforcement Networks, Johannesburg, South Africa*.
- August 2016, invited presenter 'Building capacity and capability in regulatory agencies', Australian and New Zealand School of Government/Institute of Public Administration, *Regulatory Excellence Forum, Melbourne, Australia*.
- November 2015, Chair of the 'Networks and Capacity Building' Panel, 2nd INTERPOL and UNEP Environmental Compliance and Enforcement Conference, **Singapore** (pictured right).
- July 2015, invited presenter, Institute of Australian Geographers Conference, *Collaboration for law and policy reform and implementation: Establishing Geographic Connections across jurisdictions and between practitioners and academics, Canberra, Australia*.



Grant also co-authored the INTERPOL Directory of Environmental Law Enforcement Networks, which was launched at the same event (pictured below). This aimed to assist all stakeholders in identifying and accessing these networks. Subsequently, in December 2016, he contributed to INTERPOL's 'Strategic Report: Environment, Peace and Security A Convergence of Threats', where UNE was also acknowledged.



Source: INTERPOL (left to right) David Jordan, Chair of the INTERPOL Environmental Compliance and Enforcement Committee, Grant Pink, Adjunct Research Fellow, University of New England, and David Higgins, Head of INTERPOL's Environmental Security Unit

Recent Publications

Books

Yves Le Bouthillier, Annette Cowie, **Paul Martin** and Heather McLeod-Kilmurray (eds), *The Law and Policy of Biofuels*, (Edward Elgar, 2016)

Amanda Kennedy and Jonathan Liljeblad, *Food Systems Governance: Challenges for Justice, Equality and Human Rights*, (Routledge Studies in Food, Society and the Environment, 2016)

Paul Martin, Ben Boer and Lydia Slobodian (eds), *Framework for Assessing and Improving Law for Sustainability*, (IUCN, 2016)

Mark Perry (ed), *Global Governance of Intellectual Property in the 21st Century*, (Springer, 2016)

Grant Pink and Rob White (eds.), *Environmental Crime and Collaborative State Intervention*, (Palgrave Macmillan, 2016) Basingstoke Hampshire

Paul Martin, **Amanda Kennedy**, Bigdeli, S., Daya-Winterbottom, T., and du Plessis, W. (eds.), *The Search for Environmental Justice*, (Edward Elgar Publishing, 2015)

Paul Martin and **Amanda Kennedy** (eds.), *Implementing Environmental Law*, (Edward Elgar Publishing, 2015)

Book chapters

Kylie Lingard and **Mark Perry**, 'Innovation Cartography and Patentomics: Past, Present and Future' in Mark Perry (ed), *Global Governance of Intellectual Property in the 21st Century* (Springer, 2016) (peer reviewed)

Paul Martin and **Amanda Kennedy**, '*Intra-national rivalries: A submerged aspect of transboundary water governance*' in Gray, J., Holley C., Rayfuse, R., (eds), *Trans-Jurisdictional Water Law and Governance* (Routledge Earthscan, 2016) ISBN 978-1138928275

Paul Martin and **Jacqueline Williams**, '*Next Generation Rural Natural Resource Governance: A Careful Diagnosis*' in *Legal Aspects of Sustainable Development: horizontal and sectorial policy issues* (Springer International Publishing, 2016)

Paul Martin, Neyoxeet Greymorning, **Jacqueline Williams**, Johnnie Aseron, **Kylie Lingard**, and **Chris McLaughlin**, '*Asserting cultural interests through the law: issues and innovations*', in Stoianoff, N.P (ed), *Indigenous Knowledge Forum – Comparative Systems for Recognising and Protecting Indigenous Knowledge and Culture* (LexisNexis Butterworths, 2016)

Paul Martin and **Elodie Le Gal**, '*Unpacking the Complexities of Biofuels Policy*', in Le Bouthillier, Y., Cowie, A., Martin, P. and McLeod-Kilmurray, H. (eds), *The Law and Policy of Biofuels* (Edward Elgar, 2016)

Paul Martin, '*Why Combine Agriculture and the Law (or Accounting or Economics or other Professions)*', in Vaiday, K. (ed), *Agriculture for the Curious: Why Study Agriculture?* (Curious Academic Publishing, 2016, English Edition)

Mark Perry, '*Sustaining food production in the Anthropocene: Influences by regulation of crop biotechnology*' in **Amanda Kennedy** and Jonathan Liljeblad, (Eds.) *Food Systems Governance: Challenges for Justice, Equality and Human Rights* (Routledge, 2016)

Mark Perry, '*The Changing Face of Intellectual Property: Global Forces and Compliance*' in Mark Perry, (ed) *Global Governance of Intellectual Property in the 21st Century* (Springer 2016) (peer reviewed).

Grant Pink, '*Implementation and enforcement of environmental law: The role of professional practitioners*' in Hall, M., Wyatt, T., South, N., Nurse, A., Potter, G. and Maher, J. (eds), *Greening Criminology in the 21st Century Contemporary debates and future directions in the study of environmental harm* (Routledge, 2016), pp. 183-205

Grant Pink, '*Regulatory responses to transnational environmental crime: An overview of choices, challenges and culture*', in Spapens, White and Huisman (eds), *Environmental Crime in Transnational Context: Global issues in green enforcement and criminology* (Ashgate Publishing Limited, 2016), pp. 101-123

Grant Pink, '*Interpol's NEST: Building capability and capacity to respond to transnational environmental crime*' in Elliott and Schaedla (eds.), *Transnational Environmental Crime Handbook* (Edward Elgar, 2016), pp. 444-456

Grant Pink and Matt Marshall, '*Sanction Mapping: A tool for fine-tuning regulatory intervention strategies*', in *Innovating Environmental Compliance: Assurance* (INECE, 2016), pp. 85–112

Grant Pink and Rob White, '*Collaboration in combating environmental crime: Making it matter*', in Pink and White (eds), *Environmental Crime and Collaborative State Intervention* (Palgrave Macmillan, 2016), pp 3-19

Matt Marshall and **Grant Pink**, '*Collaborative research as a tool for building environmental regulatory capability*', in Grant Pink and Rob White (eds), *Environmental Crime and Collaborative State Intervention* (Palgrave Macmillan, 2016), pp. 193-212

Johnnie Aseron, **Jacqueline Williams** and Neyooxet Greymorning, '*Inclusive Practices, Innovative Collaboration, Governance and Recognising Cultural Capital: Environmental Law through a Cultural Lens*' in *In search of Environmental Justice* (Edward Elgar, 2015)

Tanya Howard & Solange Teles Da Silva, '*Possible legal obligations to consult*', in **Paul Martin** and **Amanda Kennedy** (Eds.), *Implementing Environmental Law*, The IUCN Academy of Environmental Law Series (Edward Elgar, 2015)

Ramesh Karky and **Mark Perry**, '*The Australian biotechnology regulatory framework: issues concerning adventitious presence (AP), co-existence, liability and coherence*' in *The Search for Environmental Justice*, (Edward Elgar Publishing Limited, 2015), ISBN 9781784719418

Grant Pink and Robyn Bartel, '*Regulator Networks: Collaborative Agency Approaches to the Implementation and Enforcement of Environmental Law*', in Paul Martin and Amanda Kennedy (eds), *Implementation of Environmental Law* (Edward Elgar, 2015), pp. 308-337

Grant Pink, '*Environmental enforcement networks: Theory, practice and potential*', in Faure, M., De Smedt, P. and Stas, A. (eds), *Environmental Enforcement Networks: Concepts, Implementation and Effectiveness* (Edward Elgar, 2015) pp. 13-36

Grant Pink, '*Environmental enforcement networks: their 'value proposition' during times of reducing resources and budgets*', in Faure, M., De Smedt, P. and Stas, A. (eds), *Environmental Enforcement Networks: Concepts, Implementation and Effectiveness* (Edward Elgar, 2015) pp. 153-171

Grant Pink and James Lehane, '*Evaluating and assessing environmental enforcement networks: through use of the network evaluation matrix*', in Faure, M., De Smedt, P. and Stas, A. (eds), *Environmental Enforcement Networks: Concepts, Implementation and Effectiveness* (Edward Elgar, 2015) pp. 105-129

Reports

Paul Martin, Darrel Low Choy, **Elodie Le Gal**, and **Kylie Lingard**, '*Effective citizen action on invasive species: The institutional challenge*', Invasive Animals Cooperative Research Centre, Canberra 2016

Paul Martin and **Amy Cosby**, '*Integrated Planning Project: Country report, Australia*', IUCN Environmental Law Centre, 2016

Jacqueline Williams and **Paul Martin**, '*The Next Generation Rural Landscape Governance: The Australian Dimension*' Final Report for Department of Environment, Australia (AGREEMENT BETWEEN THE COMMONWEALTH OF AUSTRALIA (Department of Environment formerly known as the Department of Sustainability, Environment, Water, Population and Communities) and UNIVERSITY OF NEW ENGLAND signed 17th June 2011), 2015

Jacqueline Williams and **Paul Martin**, '*The Next Generation Rural Landscape Governance: The Australian Dimension*' Final Report UNE1202 for Cotton Research Development Corporation, 2015

Jacqueline Williams and **Paul Martin**, '*The Next Generation Rural Landscape Governance: The Australian Dimension*' Final Report LP110100659 ARC Linkage Report, 2015

Jacqueline Williams, Tamar Valley Farmers public good NRM contributions 2011-2012 Draft Report AgLaw Centre University of New England, 2015

Journal Articles

Paul Martin, *'Ecological restoration of rural landscapes: stewardship, governance and fairness'*, Restoration Ecology, Volume 24, Issue 5, September 2016, pp. 680-685

Paul Martin, Marcia Leuzinger and Solange Teles da Silva, *Improving the effectiveness of legal arrangements to protect biodiversity: Australia and Brazil'*, Brazilian Journal of International Law, vol 13, Issue 2, 2016, pp. 27-39

Paul Martin, *'Creating the Next Generation Water Governance'*, EPLJ Special Issue: Rethinking water law and governance, vol 33, Issue 4, 2016

Miriam Verbeek, Paul Martin, Michael Fortunato, Theodore alter, Jeffrey Bridger and Rama Radhakrishna, *'Evaluation of a natural resource management program: An Australian case study'*, Australasian Journal of Environmental Law, vol 23, Issue 4, 2016, pp. 382-401

Aljazzaf, Z., Capretz, M. and **Mark Perry**, *'Trust-based Service-Oriented Architecture'*, Journal of King Saud University - Computer and Information Sciences Volume 28, Issue 4, October 2016, pp. 470–480

Ramesh Karky and **Mark Perry**, *'World Trade Organisation Obligations and Legislative Policy: Choices In Developing Countries For Biotechnology'*, Currents: International Trade Law Journal, volume 22, Issue 1, pp.13-25

Amanda Kennedy, *'A Case of Place: The Concept of 'Solastalgia' at Law'*, Philosophy Activism Nature, Volume 12, 2016, pp.23-34

Amanda Kennedy, Mundy, T. and Nielsen, J., *“'Bush Law 101": Realising Place Conscious Pedagogy in the Law Curriculum'*, Journal of University Teaching & Learning Practice 6, Volume 13, Issue 1, Article 6, 2016, pp. 1-19

Tanya Howard, *'From international principles to local practices: a socio-legal framing of public participation research'*, Environment, Development and Sustainability, Volume 17, Issue 4, 2015, pp. 747-763

Tanya Howard, *'Olive branches and idiot's guides: frameworks for community engagement in Australian wind farm development'*, Energy Policy, Volume 78, 2015, pp. 137-147

Tanya Howard, *'The "rules of engagement": A socio-legal framework for improving community engagement in natural resource governance'*, Oñati Socio-Legal Series, Volume 5, Issue 5, 2015, pp. 1209-1235

Tanya Howard and **Andrew Lawson** (2015) *'Soil Governance: Accessing Cross-disciplinary perspectives'*, International Journal of Rural Law and Policy, Volume 1, (Special issue: Soils governance), 2015, pp. 1-8

Jacqueline Williams, *'Soils Governance in Australia: challenges of cooperative federalism'* International Journal of Rural Law and Policy, Issue 1, 2015

Jacqueline Williams and **Amanda Kennedy**, *'Natural Resource Governance in Australia'* in Essential Readings in Environmental Law, IUCN Academy of Environmental Law, 2015

Grant Pink and Matt Marshall (2015) *'A Systems Approach to Defining Environmental Regulatory Institutions'*, Policy Quarterly, Volume 11, Issue 4, 2015, pp. 63-70

Conference and seminar presentations

Paul Martin, *'Non-doctrinal research methods in environmental law'*, UniCEUB, 16 November 2016, Brazilia, Brazil

Paul Martin, *'Water and development in a dry land'*, Congresso Interdisciplinar de Direito do Litoral Piauiense, 11 November, Parnaiba, Brazil

Paul Martin, *'What Governance Reform is Needed to Make a Landholder Obligation Approach Work?'*, NSW Vertebrate Pests Symposium, 27 October 2016, Orange, NSW

Paul Martin, *'Key challenges: positioning the meat industry for digital opportunities'*, Australian Agriculture Roundtable, 6 October 2016, Brisbane, QLD

Tanya Howard, *'"It's All About the People": Capacity Building for Invasive Species Management'*, NSW Vertebrate Pest Management Symposium, October 2016, Orange, NSW

Paul Martin, **Natalie Taylor**, **Grant Pink** and Don Hine, *'Decision rules for the enforcement of invasive species law'*, International Conference on Compliance and Enforcement of Environmental Law, 9-10 September 2016, Wuhan China. Co-organised by Research Institute of Environmental Law (RIEL), Wuhan University, China; Faculty of Law, Ghent University, Belgium and China Society of Environmental and Resources Law (CSERL)

Paul Martin, *'Research of Agricultural Governance: issues, methods and opportunities'*, Central China Normal University Law School and the Centre of China Rural Studies, 7 September 2016, Wuhan, China

Paul Martin, *'Legal Governance Effectiveness: a frontier of legal research methods'*, St John's University School of Law, 18 August 2016, New York, USA

Amanda Kennedy and **Tanya Howard**, *'Environmental justice and rural land use transition: Contesting extractive development in New South Wales, Australia'*, paper presented at the World Congress of Rural Sociology, 10-14 August 2016, Toronto, Canada

Tanya Howard, *'An invitation to speak: using social science methods to dig deeper into complex invasive species issues'*, 4th International One Health Congress & 6th Biennial Congress of the International Association for Ecology & Health, August 2016, Melbourne, VIC

Paul Martin, *'Improving conservation in the agricultural landscape: Australia's governance priorities'*, Maintaining Australia's Natural Wealth: Priorities for Conservation Policy Conference, ACIUCN, 19 July 2016, Canberra, ACT

Brian Preston, **Amanda Kennedy**, and **Paul Martin**, *'Bridging the gap between aspiration and outcomes: The role of the court in ensuring ecologically sustainable development'*, paper presented

at the 14th Annual Colloquium of the IUCN Academy of Environmental Law, 20-24 June 2016, Oslo, Norway; paper submitted for consideration in the Colloquium Book

Paul Martin, *'Systems methods in environmental governance research'*, Research Workshop, IUCN Academy of Environmental 14th Annual Law Colloquium, 22 June 2016, Oslo, Norway

Paul Martin and **Jacqueline Williams**, *'Next Generation Rural Natural Resource Governance'*, IUCN Academy of Environmental Law 14th Annual Colloquium, 21 June 2016, Oslo, Norway

Paul Martin, *'Next Generation Rural Natural Resource Governance: A Careful Diagnosis'*, IUCN Academy of Environmental 14th Annual Law Colloquium, 20 June 2016, Oslo, Norway

Paul Martin, *'The role of digital technologies in governance and compliance systems'*, Digital Disruption in Agriculture Conference, 2-3 June 2016, Sydney, NSW

Paul Martin, *'Digital technologies, rural governance, compliance (and other effects)'*, Digital Disruption in Agriculture Conference, 2-3 June 2016, Sydney, NSW

Amanda Kennedy, **Paul Martin** and **Jacqueline Williams**, *'Good stewardship is not enough: environmental law for future rural landscape governance'*, paper presented at the National Law Reform Conference, 14-15 April 2016, Canberra, Australia

Amanda Kennedy, **Paul Martin** and **Jacqueline Williams**, *'Effective law for rural environmental governance: meta-governance reform and farm stewardship'* National Law Reform Conference Australian National University Canberra April 14th and 15th 2016

Jacqueline Williams, **Paul Martin** and **Amanda Kennedy**, *'Agrifood Governance and the China-Australia Free Trade Agreement'* 1st Meeting of the Sino-Australian Agriculture Law Forum, Yantai University Yantai, China April 11th 2016

Amanda Kennedy, *'A Shield or a Sword? ChAFTA's investor state dispute resolution clause'*, paper presented at the China-Australia Free Trade Agreement and Law symposium, Renmin University, 8 April 2016, Beijing, China

Jacqueline Williams, **Paul Martin** and **Amanda Kennedy**, *'Paddock to Plate Integrity and the China-Australia Free Trade Agreement'* Agricultural Issues and China-Australia FTA Conference, Renmin University Beijing, China April 8th 2016

Margoni, M., and **Mark Perry**, *'Online Intermediary Liability and Privatised Enforcement: Content ID Case'* ICDS 2016 : The Tenth International Conference on Digital Society and eGovernments

Jacqueline Williams, *'Connectivity Conservation Governance'*, Gondwana Link Ltd Board Meeting, Sydney, 15th February 2016

Tanya Howard, *'Frustration, fear and the tragic case of R v IAN ROBERT TURNBULL'*, Australian Earth Law Association Conference, 2016, Brisbane, QLD

Jacqueline Williams, **Paul Martin** and **Amanda Kennedy**, *'Food Systems Governance and Social Justice'*, Agrifood Research Network Conference, 6-9 December 2015, Queenstown, New Zealand

Amanda Kennedy, Environmental Justice and Land Use Conflict, Masterclass workshop presentation at the Australia New Zealand Society for Ecological Economics conference ‘Thriving Through Transformation – Local to Global Sustainability’, 19-23 October 2015

Jacqueline Williams, *‘Next Generation Rural Landscape Governance: interim research findings’* June 2015, Launceston, Canberra and Narrabri

Holley, C., and **Amanda Kennedy**, *‘Good Governance and the Energy Water Nexus’*, paper presented at Frontiers in Environmental Law Colloquium; University of Tasmania, 10-11 February 2015, Hobart, Tasmania

Tanya Howard, *“Opening Pandora’s box”: Talking to communities and individuals about wild dog management in Australia’*, Australasian Wildlife Management Society Conference, 2015, Western Australia

Tanya Howard, *‘Invasive animals in Australia: reframing the problem’*, Australia and New Zealand Society for Ecological Economics Conference, University of New England, 2015, Armidale, NSW

Tanya Howard, *‘Community Engagement, Environmental Justice and Modern Governance: Case Studies from Australian Rural Communities’*, The Third European Conference on Sustainability, Energy & the Environment, 2015, Brighton, UK

Other outputs

Paul Martin, *Submission on the management of invasive species on Crown Land in Victoria*, Victorian Parliament Inquiry into Invasive Animals, 1 September 2016

Paul Martin, *Submission: Review of NSW Pest Animal Management*, NSW Government, Sydney NSW, 2016

Paul Martin, Fiona Simpson and Richard Duddy, *ABC Radio 10 Issues in 10 Days – Agriculture*, ABC Radio panel discussion, 2016