

School of Law - Research through the AgLaw Centre

The AgLaw Centre and the Primary Industries Innovation Centre have been actively involved in assisting NSW DPI in developing their research program for responding to carbon markets and climate change. The research program proposed will address biofuels and carbon sequestration, and is likely to include a number of initiatives intended to design new policies and adaptive strategies. Through the creation of a "Carbon, Climate, Energy and Water" initiative, the capacity of a large number of UNE academics from a range of schools has been highlighted to the Department, and to other federal and state agencies with an involvement in these issues. It is intended to take this initiative further in 2008, and members of the Faculty are invited to put forward their research interests and capacity for inclusion. To do so go to <http://www.questionpro.com/akira/TakeSurvey?id=798068>

In recent months the Centre has produced a number of research outputs and been involved in local and international discussions that will lead to further high impact work. This is an update on some of this activity. This is a summary of some of these developments.



Work on reform of Australian regulations and institutions:

P Martin, K. Werren, S. Shearing Concepts for private sector funded conservation using tax-effective instruments Land & Water Australia PR071389, November 2007. (This study involved a number of farming and environmental bodies, and will be formally launched in 2008)

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 (This study has received substantial media attention)

Williams, J.A. (2007) 'Property Management Systems and Stewardship' Presentation to Burnett Mary Regional NRM Inc, 25 July 2007

Williams, J.A. (2007) 'Success attributes of Regional NRM Systems in Australia Qld Farmers Federation & Qld Government' NHT2 Joint Steering Committee, 20 July 2007

Williams, J.A. (2007) 'Environmental Assurance schemes overview' Macintyre Brook RIBP, 27 June 2007

P.V. Martin, and M.L. Shephard. Aesop's fable and the management of accountability. Presentation to Goulburn-Murray Water Project Group for triple bottom line performance reporting. June 2007.

M.L. Shephard. The practical meaning of discharging a duty of care in sustainable irrigated agriculture. Presentation to the CRC for Irrigation Futures Annual Research Forum at Townsville, Qld. September 2007.

M.L. Shephard. What social impact indicators are likely to be useful and efficient for water authorities? Report prepared for Goulburn-Murray Water as part of CRC Irrigation Futures Program.

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School of Law - Research through the AgLaw Centre (continued)

Work on international regulations and institutions:

Paul Martin and Ian Hannam: International Forum: Soils, Society & Global Change; 31 August–4 September 2007, Selfoss, Iceland

Invited papers (1) Incentives and disincentives: a systematic approach (2) Capacity Building for Developing National Legal and Policy Frameworks for Soil Conservation and Protection.

Hannam, I.D (2007). Environmental law and policy frameworks to manage land degradation in the dryland ecosystem areas of China. *J. World Assoc. Soil Water Conserv.*, J2: 63-74.

Hannam, I.D, and Du Qun (2007). Environmental Law Reform to Control Land Degradation in the People's Republic of China: A view of the legal framework of the GEF-PRC Partnership Program, in 'Land Use Law for Sustainable Development', Edited by N. J. Chalifour, P. Kameri-Mbote, Lin Heng Lye and J. R. Nolon, IUCN Academy of Environmental Law Research Studies, Cambridge University Press.

Hannam, I.D (2007) Review of Draft Pastureland Law of Mongolia, Report to the United Nations Development Program Mongolia, UNDP Sustainable Grassland Management Project, Mongolia.

Hannam, I.D (2007) The National Soil and Water Conservation Strategy of the People's Republic of China and the Reform of the 1991 Water and Soil Conservation Law, invited paper, International Conference, Erosion and Torrent Control as a Factor in Sustainable River Basin Management, 25-28 September 2007, Belgrade, Serbia.

Rose, J.G., Kwa, E. L., Craig, D. G., Jeffery, M. and Tomtavala, Y, Indigenous Governance of Natural Resources in Melanesia: Introduction to the Research Project A research paper delivered to the Christensen Fund (a private grant-making US Foundation), 2007.

Rose, J.G. Towards Biocultural Perspectives on Law for Community-Based Natural Resource Governance A research paper delivered to the Christensen Fund (a private grant-making US Foundation), 2007.

Rose, J.G. Reconciling Traditional and Contemporary Environmental Governance Institutions and Approaches in Pohnpei, Federated States of Micronesia A research paper delivered to the Christensen Fund (a private grant-making US Foundation), 2007.

Congratulations to Jacky Williams (Postdoctoral Fellow - AgLaw), who has been requested to present her PhD work to the NSW Natural Resource Commission on the 29th November.

NATIONAL RECOGNITION FOR SCHOOL OF HEALTH RESEARCH

A study by a group of researchers from the School of Health has led to a variety of outcomes including a number of publications between 2004 and 2007, and the completion of a PhD.

The project which began in 2004 was funded by the Faculty of Education Health and Professional Studies as an Internal Research Grant to Drs Rafat Hussain and David Plummer.

The research study was later converted into a PhD project for Asad Khan on 'Management of sexually transmitted infections by general practitioners in NSW'. The team of researchers includes Dr Asad Khan (now at University of Queensland), Associate Professor Rafat Hussain, Professor Victor Minichiello and Professor David Plummer (now at University of West Indies).

A recent article in the Sydney Morning Herald (November 9) outlines the impact of the research.



On the 14th and 15th November CRAMS held a successful international symposium: *Aboriginal Development, Adult Education and the Building of Peace: An Exchange of Theoretical Understandings and Experiences* which was attended by over 50 people, comprising delegates from Regional And central Australia, Timor Leste, Bougainville and UNE. The symposium explored the theoretical and practical links between

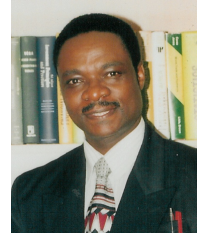
current and historical approaches to community development, adult education and peacebuilding in Indigenous Australia and the international region. Participants shared their experiences of the best and worst development and peacebuilding processes. Over the two days we heard a wide range of perspectives including the role women played in peacemaking in Bougainville, the local conflict transformation methods used in Timor Leste, the effects of fifty years of unsuccessful development processes in Indigenous Australia, how violence and conflict affect development processes, how popular education can play a key role in preparing communities to negotiate the processes of peacebuilding and development, the tensions between achieving justice and seeking reconciliation, and how local communities in Armidale are grappling with current development processes. There was wide ranging debate, a robust exchange of views and the delegates committed to creating an ongoing community of learning through a new website; to seek funding to support a 5 - 10 year strategic research and development agenda which will encapsulate and progress the key lessons from the symposium, to build better working relationships with local communities, and to create a word web which demonstrates the interconnectivity between language, power and development practices, for use by communities.



Pictured Above (from left to right): Dr Ben Bartlett (CRC Aboriginal Health), Dr Rebecca Spence, Dr Jonathan Makuwira (RMIT), Mr Jack Beetson (Bidjada Inc), Ms Donna Ah Chee (Central Australia Aboriginal Congress, Alice Springs), Mr Antero Benedito da Silva (Centre for Peace and Community Development, National University of Timor-Leste), Dr Bob Boughton, Ms Deborah Durnan, Dr Ruth Savoana Spriggs (ANU)

UNE Leximancer Affair

Welcome to Article 3 of UNE Leximancer Affair – a regular column of this Bulletin dedicated to keeping the UNE community abreast with the development of Leximancer software which UNE acquired following Professor Ian Hay and Prof. Len Unsworth's support. This issue extends an understanding of Leximancer functionality from the notion of a "Concept Map", which was outlined in Article 2, to the key ingredients of a Concept Map. Secondly, it gives information on how you can now upload your own data for analysis using the new Beta Leximancer V-3.0



As illustrated in Figure 1, the primary Concept Map consists of thematic circles and concepts. In a study that investigated a new college's impacts on learning, the two most significant themes that Leximancer found in the data were college (in blue) and learning (in pink). Within the theme college, the most outstanding concepts were multi-campus college, other colleges in the area, other school or schools, students, the new model, new contexts and relevant data. Within the theme learning, the key concepts were students' outcomes, learning and meaning emerging in the new educational contexts.

Leximancer generated this graphic from 2.28MB of raw interview data. I say 'raw' because the data was not coded in any way. Neither the themes nor the concepts were predetermined by the researcher. Leximancer searched for them from within the massive amounts of data and portrayed its findings. The time and pain saved, was enormous.

Let me now give you an update on new developments with UNE Leximancer Affair. In Article 2 I indicated that UNE and Leximancer Pty Ltd technicians were working on enabling us to upload our own data for analysis with the new Leximancer Version 3.0. I am pleased to advise that this was achieved last week. As a result, UNE can now play a key role in the development of this Beta Version of Leximancer. UNE, in partnership with Leximancer Pty Ltd is helping to refine Leximancer 3.0 into an Omega Version which will be released internationally when all the bugs have been eliminated. This is a win/win strategy. UNE gets to use the software while Leximancer Pty Ltd develops a new product.

As part of this partnership, our role is to test the software as we use it. Any bugs or problems we pick up are to be relayed to Leximancer. Leximancer will fix the problem/s thus giving us plain sailing as we continue to use the software. A good number of UNE researchers have already volunteered to be testers in this programme. I should like to take this opportunity to thank them publicly. There is room for seven more testers. Each tester gets a personalised Login Name and Password. They can then upload their data in their private space on the Leximancer 3.0 Server. If you would like to be part of this group of researchers – the UNE Leximancer Users (UNELexU) group – please send me an email and I will send you a Login Name and Password. A meeting of UNELexU will be called soon to give the participants operational details.

Iterations = 1000

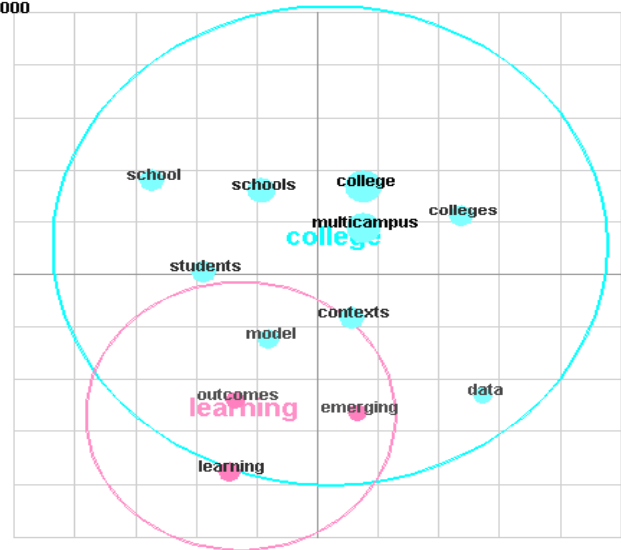


Figure 1

Travel safely with Leximancer.

CDKivunja

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Faculty Publications

SCHOOL OF HEALTH

Book Chapters

Bone, Kerry, 'Evaluating, Designing, and Accessing Herbal Medicine Research', *Veterinary Herbal Medicine*, Mosby, Wynn S G, Fougere, B J (ed), St Louis, Missouri, 87-97 (2007).

Journals

Briggs, David S, 'Accreditation and the quality journey in aged care', *Asian Journal of Gerontology & Geriatrics*, 1 (3) 163-169 (2007).

Briggs, David S, 'Changing the Health System or Challenging the Change: a time to reflect and contribute', *Asia Pacific Journal of Health Management*, 2 (2) 4-6 (2007).

Hussain, Rafat, Edwards, Helen, Avery, Alan J, Irwin, Jean L, Fitzgerald, Loretta M, 'Perceptions of rural community responses to the health and social needs of people with lifelong disabilities in Australia', *Journal of Intellectual Disability Research* (nil) (2007).

Matthias, A*, Addison, R S*, Agnew, L*, Bone, Kerry, Watson, K*, Lehmann, R P*, 'Comparison of Echinacea alkylamide pharmacokinetics between liquid and tablet preparations', *Phytomedicine*, 14 (nil) 587-590 (2007).

Matthias, A*, Banbury, L*, Bone, Kerry, Leach, D*, Lehmann, R P*, 'Echinacea alkylamides modulate induced immune responses in T-cells', *Fitoterapia*, nil (nil) (2007).

Matthias, A*, Banbury, L*, Stevenson, L*, Bone, Kerry, Leach, D N*, Lehmann, R P*, 'Alkylamides from Echinacea modulate induced immune responses in macrophages', *Immunological Investigations: a journal of molecular and cellular immunology*, 36 (nil) 117-130 (2007).

Matthias, A*, Blanchfield, J T*, Penman, K G*, Bone, Kerry, Toth, I*, Lehmann, R P*, 'Permeability studies of Kavalactones using a Caco-2 cell monolayer model', *Journal of Clinical Pharmacy and Therapeutics*, 32 (nil) 233-239 (2007).

Matovic, N*, Matthias, A*, Gertsch, J*, Raduner, S*, Bone, Kerry, Lehmann, R P*, De Voss, J J*, 'Stereoselective Synthesis, Natural Occurrence and CB2 receptor binding affinities of alkylamides from Herbal Medicines such as Echinacea sp', *Organic and Biomolecular Chemistry*, 5 (nil) 169-174 (2007).

Conference Papers

Avery, Alan J, 'Moving learning out of the classroom: Moving mental health out of the clinic', nil, University of Cambridge, UK (2007).

Avery, Alan J, Hussain, Rafat, Edwards, Helen, Irwin, Jean L, Fitzgerald, Loretta M, 'Policy implications for rural mental health promotion for people with a disability', nil, Gold Coast (2007).

Chicca, A*, Pellati, F*, Matthias, A*, Adinolfi, B*, Benvenuti, S*, Bone, Kerry, Lehman, R P*, Nieri, P*, 'Cytotoxic Effects of Polyacetylenes from *E. Pallida* on Human Cancer Cell Lines and their Bioavailability through Caco-2 Cell Monolayers', *Planta Medica: natural products and medicinal plant research*, Graz, Austria, 524 (2007).

Edwards, Helen, Hussain, Rafat, Avery, Alan J, Irwin, Jean L, Fitzgerald, Loretta M, 'Perceptions of rural community responses to the unique health needs of people with disabilities', nil, Tamworth (2007).

Lightfoot, Shannon, 'A client's experience of 'unsafety in the presence of another': A relational dilemma in psychotherapy', *Wollongong* (2007).

Penman, K*, Bone, Kerry, Hayes, P*, De Voss, J*, Agarwal, A*, Murali, B*, Mundkinajeddu, D*, Mayachari, A*, Shenoy, R*, Lehmann, R P*, 'NMR studies found that a commercially supplied standard reference purposed to be Withanolide D was instead Withanolide A', *Planta Medica: natural products and medicinal plant research*, Graz, Austra, 252 (2007).

Penman, K*, Briski, T*, Bone, Kerry, Agarwal, A*, Murali, B*, Mundkinajeddu, D*, Mayachari, A*, Shenoy, R*, Lehmann, R P*, 'Withania somnifera HPLC-PDA method validation', *Planta Medica: natural products and medicinal plant research*, Graz, Australia, 251 (2007).

Vittrup, Ann-Charlotte, 'The experiences of those following Acute Myocardial Infarction and Primary Percutaneous Coronary Intervention', *Sydney* (2007).

Faculty Publications

SCHOOL OF BUSINESS, ECONOMICS & PUBLIC POLICY

Book Chapters

Harman, Grant, 'Social Scientists and Higher Education Policy Studies', Towards a cartography of higher education policy change, CHEPS, University of Twente, Netherlands, Jurgen Enders and Frans van Vught (ed), Netherlands, 315-320 (2007).

Journals

Cacho, Oscar J, Hester, Susan, Spring, D*, 'Applying search theory to determine the feasibility of eradicating an invasive population in natural environments', *The Australian Journal of Agricultural and Resource Economics*, 51 (4) 425-443 (2007).

Dollery, Brian E, Byrnes, Joel D, Crase, L*, 'Is bigger better? Local government amalgamation and the South Australian 'Rising to the Challenge' Inquiry', *Economic Analysis and Policy*, 37 (1) 1-14 (2007).

Dollery, Brian E, Marshall, Neil A, Sorensen, Anthony D, 'Doing the right thing: An evaluation of new models of local government service provision in regional New South Wales', *Rural Society*, 17 (1) 1-104 (2007).

Dollery, Brian E, Parsons, C*, 'Prisoner Taking and Prisoner Killing: A Comment on Ferguson's Political Economy Approach', *War in History*, 14 (4) 499-512 (2007).

Fleming, Euan M, Heinecke, Danielle, Dollery, Brian E, 'An analytical framework for assessing the impact of internalities on policy and projects using examples from Papua New Guinea', *Impact Assessment and Project Appraisal*, 25 (3) 199-207 (2007).

Smith, Gregory O, 'Australian electricity supply: orientations to growth and prospects for sustainability', *International Journal of Environment, Workplace and Employment*, 3 (1) 28-36 (2007).

Spindler, Z*, Dollery, Brian E, 'War as Rent-Seeking: A Public Choice Perspective on the Pacific War', *Public Organization Review*, 7 (1) 21-40 (2007).

Spring, D*, Cacho, Oscar J, McNally, R*, Sabbadin, R*, 'Pre-emptive conservation versus 'fire-fighting': A decision theoretic approach', *Biological Conservation*, 2007 (136) 531-540 (2007).

SCHOOL OF LAW

Journals

Collins, Craig, 'The Discipline of Law: A Developmental and Historical Perspective', 2007 ALPN Paper Series (2007) on-line (2007).

Collins, Craig, 'Pericles was a Plumber: Towards Resolving the 'Vocational' versus 'Liberal' dichotomy in legal education', Sydney, Online (2007).

Conference Papers

Collins, Craig, 'The very idea evoked a defamatory response: Lord George Gordon and the proposed penal settlement at Botany Bay', Armidale, Online (2007).

Faculty Publications

SCHOOL OF EDUCATION

Book Chapters

Maxwell, Thomas W, 'Bhutan', *The Greenwood Encyclopedia of Children's Issues Worldwide*, Greenwood Press, Epstein, I (ed), New York, 55-77 (2007).

Journals

Hay, Ian, Elias, G*, Fielding-Barnsley, R*, Homel, R*, Freiberg, K*, 'Language Delays, Reading Delays, and Learning Difficulties', *Journal of Learning Disabilities*, 40 (5) 400-409 (2007).

Hay, Ian, Fielding-Barnsley, R*, 'Facilitating children's emergent literacy using shared reading: A comparison of two models', *Australian Journal of Language and Literacy*, 30 (3) 191-202 (2007).

Maxwell, Thomas W, Smith, Howard J, 'A Case Study of Online Support for Beginning Teachers: Mentoring model and micro p', *The International Journal of Mentoring and Coaching*, V (1) online (2007).

Miller, Judith A, 'Response to 'Transfer or specificity?', *Physical Education and Sport Pedagogy*, 12 (1) 61-76 (2007).

Miller, Judith A, 'Response to 'Transfer or specificity?', *Physical Education and Sport Pedagogy*, 12 (2) 103-104 (2007).

Miller, Judith A, Vine, Kenneth W, Larkin, D*, 'The relationship of process and product performance of the two-handed sidearm strike', *Physical Education and Sport Pedagogy*, 12 (1) 61-76 (2007).

Ninnes, P*, Maxwell, Thomas W, Rabten, W*, Karchung, K*, 'In Pursuit of EFA: Expanding and Enhancing Multigrade Schooling in Bhutan', *International Perspectives on Education and Society*, 8 181-199 (2007).

Noad, Betty J, Unsworth, Len, 'Semiosis in the Film Soundtrack: Aural Perspective and Social Distance in 'The Queen' Film Trailer', *Literacy Learning: the Middle Years*, 15 (3) 8-19 (2007).

Pearce, A*, Graham, Lorraine J, Miller, Judith A, Paterson, David L, 'Supporting Young Children to Develop Independent Learning and Literacy Skills through the Use of Pictographed Instructions: The Moving with Language Team', *Child Health and Education*, 1 (1) 54-68 (2007).

Tait, Kathleen, 'Problem behaviour or just a communication breakdown?', *Special Education Perspectives*, 16 (1) 10-17 (2007).

Unsworth, Len, 'E-literature and on-line literary resources for 'Net-age' students', *Words'Worth*, 40 (1) 3-11 (2007).

Conference Papers

Bell, S*, Boughton, Robert G, Bartlett, B*, 'Education as a Determinant of Indigenous Health', *Beyond Band-aids: Exploring the Underlying Social Determinants of Aboriginal Health*, Darwin, 37-54 (2007).

Edwards, Helen, Hussain, Rafat, Avery, Alan J, Irwin, Jean L, Fitzgerald, Loretta M, 'Perceptions of rural community responses to the unique health needs of people with disabilities', nil, Tamworth (2007).

Haynes, John E, Miller, Judith A, 'Differences and similarities between the performance of a fundamental skill in gymnastics for three cohorts: Children, young adults and older adults', *Engaging Pedagogies*, Adelaide, online (2007).

Maxwell, Thomas W, Smith, Howard J, 'The UNE EdASP: Main findings and an evaluation', *Engaging Pedagogies*, Adelaide, CD (2007).

Miller, Judith A, 'Primary School-aged Children and Fundamental Motor Skills - what is all the fuss about?', *Engaging Pedagogies*, Adelaide, online (2007).

Other publications

Callingham, Rosemary A, 'Commentary - The development of change measurement', *Stepping Stones For The 21st Century*, Leder, GC and Forgasz, HJ (ed), The Netherlands, 1, 137 (2007).