

NRSM Research *NEWS*

Newsletter of recent research outputs, outcomes and activities in the School of Natural & Rural Systems Management, NRAVS, UQ.

Issue 1, Sept 2006

NRSM Research NEWS publicises NRSM staff & student research achievements and provides information on research activities relevant to the school.

Editorial

This is the first NRSM Research News for 2006. The aim of this newsletter is to publicise the research outputs, outcomes and activities in the School of NRSM, not only for the benefit of the NRSM community, but for the broader research and civil community. In future it is planned to provide newsletters on a 2 monthly basis. The newsletter will be posted on the web.

The research profile of the School of NRSM is significant in publications, grants achieved and in making a difference in society. For example, the Honourable Peter McGauran, the Federal Minister for Agriculture, Fisheries and Forestry recently wrote to our Head of School, Prof. Ockie Bosch commenting on the value of the research achievements of one of our members of staff, Dr Bradd Witt, saying;

'Dr Witt's study into the differing beliefs city and country people hold regarding conservation, farming and animal welfare on farms is of great benefit.... (his research) will highlight the integral role our primary producers play in our economy, environment and animal welfare...'

The rounded nature of the research carried out in NRSM is highlighted by Bradd's recent success in a \$40,000 grant from Agforce Queensland, the publication of his (other) work in the *Journal of Biogeography*, and comments received from leaders in society.

In this issue, we introduce new and completed postgraduate students, grants received, and publications. We also provide the most recent news on the Research Quantum Framework (RQF) from our Head of School, Prof. Ockie Bosch.

We plan to publicise the staff and the activities in which they are engaged in each issue of NRSM Research News. Accordingly contributions (no more than 500 words) are welcomed by the research committee. In future, as room allows – for we plan to limit the news to a folded A3 – we will also include conference attendance and presentations. Comments are also welcomed from staff and students on other material that could be publicised. It is anticipated that future newsletters will also include invited keynote talks, seminars and conferences attended by staff and students in the school.

It is possible that we have missed publicising some of the grant and publication highlights for our school to date for 2006. If we learn of these highlights they will be publicised in a future newsletter. We depend on contributions from each member of the NRSM community. These should be forwarded to Leesa Young, Secretary to the Research Committee (l.young1@uq.edu.au), preferably in the format followed by this newsletter. Leesa has prepared a database of publications, grants, conference attendance, postgraduate completions and school seminars.

This newsletter will in future publicise important dates, funding opportunities and conferences relevant to the school. However, the Research Bulletin of UQ (ORPS Mailer mailer@research.uq.edu.au) should also be consulted for important research opportunities.

**Grant Wardell-Johnson
(Acting Chair) for the NRSM Research
Committee**

Thought for the Day

"Life is like a dogsled race - if you ain't the lead dog, the scenery never changes."

Lewis Grizzard

Where is UQ at with the RQF?

The University does not know much more since the March 2006 documents on the RQF, which stated that the new Minister is keen on the implementation of the RQF. The University has been informed that if implemented, it will not be until 2008. In the meantime a Development Advisory Group (DAG) has been convened by the Minister and is due to report in October/November with their recommendations. Of interest is that the Minister has indicated that the issue of *impact* of publications will be an important component of the RQF (which would be of significance to our School).

At this stage UQ is in the process of data collection and is starting to think about the groups which will be put forward if or when the RQF is implemented. I have been told that we will be asked to review and refine our Tier 1 list of journals within the next few

weeks, and that the number of publications in tier 1 journals will affect our research quantum for next year. Apart from this, no formal decisions have been made at University level on how the outcome of the RQF implementation will influence distribution of funds to Schools, and what mechanisms will be put in place to reward those researchers that contribute most to the University's research rating. What is important, is the fact that our research quantum in the future (2009) will certainly be affected by our performance at School level. I cannot emphasise enough the importance for all staff to continue performing well and to publish in high quality journals, so that we are not negatively affected when the RQF is implemented in 2008.

Ockie Bosch, Head Of School NRSM

Post graduate students completed 2006

Hearty congratulations are extended to the five PhD completions so far in 2006 (advisers listed in brackets, Principal first).

Breakey, Noreen PhD (31/08/06): *The impact of tourism entrepreneurs on development (RJS Beeton).*

Suadnya, I Wayan PhD (10/07/06): *Group empowerment in coastal development in West Nusa Tenggara, Indonesia: a case study in coastal Lombok areas (H Ross, K Keith).*

Symonds, Judith PhD (31/01/06): *Facilitating regional small business internet use: the case of New Zealand wineries (DC Cameron, E Woods).*

Whiley, Dona PhD (16/02/06), *Environmental Drivers of Sustainable Tourism (RW Carter, B Witt).*

Zeng, Benxiang PhD (23/06/08): *Ecotourism development reducing poverty in remote rural areas - Quinling mountain region, Shaanxi Province, China (RW Carter, T DeLacy).*



New enrolments and commencements of post graduate students 2006

A warm welcome is extended to the 15 new post graduate students so far for 2006.

Aji, Joni (27/02/2006) PhD: *Modelling of Rice Marketing in Indonesia Post Economics Crisis (R Collins, tba).*

Balson, Steven (01/03/2006) PhD: *Have conservation and land management projects, legislation and education programs the ability to achieve long term behaviour change in regard to sustainable land use, conservation, land management and rehabilitation? (D Cameron, B Witt).*

Brady, Megan (01/12/2005) PhD: *Reducing the resistance of the matrix as the key to species integrity across modified landscapes. (G Baxter, C McAlpine, H Possingham).*

Bishop, Carly (31/01/2006) PhD: *Interactions between Drivers of Ecological Change: Phytophthora cinnamomi and Fire in The Tingle Mosaic, SW Western Australia (G Wardell-Johnson, KV Niel).*

Cook, Carla (08/06/2006) PhD: *Validating the use of expert opinion in management effectiveness evaluation of protected areas in Australia (M Hockings, RW Carter).*

Fissioli, Jocelyn (31/1/06) PhD: *Incorporating ecology into models of the distribution of three endemic forest eucalypts (Eucalyptus brevistylis, E. guilfoylei, E. jacksonii) to anticipate the impacts of climate change (UWA - KV Niel, G Wardell-Johnson).*

Gooch, Martin (01/07/2006) PhD: *The Fundamentals of Business Relationships that Support Long-Term Business Innovation. (RJ Collins, AJ Dunne, C Pearson).*

Graham, Doug (01/01/2006) PhD: *The role of change agents at the interface where "Top Down" meets "Bottom Up" in Natural Resource Management (I Russell, J Coutts).*

Lyons, Iisapeci (22/03/2006) PhD: *Participatory Research Development and Extension Exploring its effectiveness through on-farm trials in Cambodia* (C King, tba).

Minh Duong, Hieu (27/02/2006) PhD: *Solid waste management model based on community participation in suburban & rural areas in Vietnam* (D Cameron, P Matthew).

Moreland, Hayley (13/03/2006) PhD: *Facilitating uptake of productivity - enhancing technologies within beef supply chains: an action research approach* (D Cameron, Y Khatri).

Newby, Jonathan (01/02/2006) PhD: *Economic Analysis of Landcare in the Philippine uplands* (R Cramb, tba).

Rayner, Alistair (01/09/06) MPhil: *An Evaluation of action based learning as a method of extension with beef producers in NSW.* (DC Cameron, G. Slaughter).

Smith, Paul (31/12/2005) PhD: *Developing alternative models of landscape patterns of vegetation complexes in the Tingle Mosaic, south-western Australia* (G Wardell-Johnson, D Pullar).

Sun, Kim Jong (01/12/2005) PhD: *Structure and process of farmers' decisions on distribution of beef cattle products in Korea and Australia.* (DC Cameron, Y Khatri).

Recent (to August 2006) grants received by staff in NRSM

Staff in NRSM have achieved success in 13 grants totaling over \$1.6 million to August this year.

Collins R. & Sun T. (2006). \$15 000 approx Australia-China Agricultural Co-operation Agreement: North-south alliances as a supply chain building strategy - the Australian Persimmon Export Company and Baoji Persimmon Growers Association.

Collins R. & Sun T. (2006). \$54 000. RIRDC: Building Australia-China supply chains in a post-FTA environment.

Collins R., Campbell J., Johnson P. & Dunne A. (2006), \$103 000. ACIAR: Supply chain constraints in the Pakistan mango industry - a scoping study.

Galvin M., Hockings M., Aubertin C. & Bouamrane M. (2006). 135,000 Swiss Francs Geneva International Academic Network: Participation, conservation and livelihoods: Evaluating the effectiveness of participatory approaches in protected areas.

Herbohn J., Emtage N. & Vanclay J. (2006-2007). \$125,000. Integrating ecology, economics and people in forest landscapes. Marine and Tropical Science Research Facility.

Herbohn J., Emtage N. & Harrison S. (2006). \$13,794. South east Queensland Native Forest Module for Australian Farm Forestry Financial Model AgForests Queensland.

Hockings M. & Leverington F. (2006). US\$100,000. GEF funding. Developing an indicator or management effectiveness of protected area management. Global Environment Facility: "Building

the partnership to track progress at the global level in achieving the 2010 biodiversity target".

Hockings M. & Leverington F. (2006). \$92,170. The Nature Conservancy: Global assessment of protected area management effectiveness

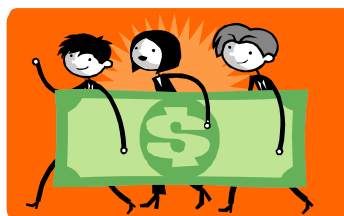
Hockings M., Carter W. & Wardell-Johnson G. (2005). \$595,000 (plus \$885,050 in-kind). RC Linkage: Building capacity for adaptive management in protected areas through improved systems for monitoring and evaluation.

Leverington F., Hockings M. & James R. (2006). \$31,000. NSW Department of Environment and Conservation: Development of NSW Parks Levels of Service Framework. UNIQUEST.

Ross H., King C., Witt B. & Cuthill M. (2006-2008). \$292,000 over four years, Understanding and enhancing social resilience: science and management integration project. Project 4.9.7 Marine and Tropical Science Research Facility.

Wegener M. K. (2006). \$5 000. Sugar Research and Development Corporation. International Conference of Agricultural Economists, Gold Coast.

Witt G.B., Witt K.J. & Carter W. (2006-2007). \$40,000. Clarifying "the public interest" in rural land management and rural issues for better communication and relationship building: A detailed case analysis of rural and urban Queenslanders' perceptions of rural issues. Australian Government, Dept. Agriculture, Fisheries and Forestry.



Recent (to August 2006) Publications from Natural and Rural Systems Management

Recent (to August 2006) publications include 19 journal articles, 2 book chapters and 2 books.

- Bryceson K. (2006).** *E Issues in Agribusiness: The What, Why, How.* Ch 1-9, pp 1-372. CABI International; Wallingford, UK. ISBN 1-84593-071-1
- Collins R. (2005 -actually published 2006).** A model of new industry development in horticulture. *Acta Horticulturae* **694**: 41-46,
- Collins R. (2006).** Functions and consequences of alternative fresh produce supply chain management models. *Acta Horticulturae* **712**: 67-73,
- Cramb RA. (2006).** The role of social capital in the promotion of conservation farming: the case of 'Landcare' in the southern Philippines. *Land Degradation & Development* **17**: 23-30.
- Emtage NF, Herbohn JL & Harrison SR. (2006).** Landholder Typologies used in the Development of Natural Resource Management Programs in Australia: A review. *Australasian Journal of Environmental Management.* **13(2)**: 79-94.
- Hockings M, Stolton S, Leverington F, Dudley N and Courrau J. (2006)** *Evaluating Effectiveness: A framework for assessing management effectiveness of protected areas* 2nd Ed. IUCN Gland, Switzerland and Cambridge,
- Ishigame G, Baxter GS. & Lisle AT. (2006).** Effects of artificial food on the blood chemistry of the Australian Magpie. *Austral Ecology* **31**: 199-207.
- Lawson BE. (2006).** Delving into the datasets. I: Trends in regional ecosystem mapping in Queensland. *Australasian Journal of Environmental Management* **13 (1)**: 28-35.
- Lawson BE. (2006).** Delving into the datasets. II: Delving into the datasets. II: "CORVEG" site-based floristic dataset in Queensland, Australia. *Australasian Journal of Environmental Management* **13 (2)**: 108-119.
- Page MJ, Baxter GS & Lisle AT. (2006).** Evaluating the adequacy of sampling germinable soil seed banks in semi-arid systems. *Journal of Arid Environments*, **64(2)**: 323-341.
- Rhodes M, Wardell-Johnson G, Rhodes M & Raymond B. (2006).** Applying network theory to the conservation of habitat trees in urban environments: a case study from Brisbane, Australia. *Conservation Biology* **20 (3)**: 861-870.
- Rhodes M. & Wardell-Johnson G. (2006).** Tree roost characteristics determine use by the white-striped freetail bat (*Tadarida australis*, Molossididae, Microchiroptera) in suburban subtropical Brisbane, Australia. *Austral Ecology* **31**: 228-239.
- Ross A. (2006).** Book Review of Jane Balme and Alistair Paterson (eds) (2006) *Archaeology in Practice: a Student Guide to Archaeological Analyses.* *Australian Archaeology* **62**: 57-58.
- Ross A. (2006).** CA Comment on I. Keen Constraints on the development of enduring inequalities in Late Holocene Australia. *Current Anthropology* **47**: 24-25
- Ross H & McGee TK. (2006).** Conceptual Frameworks for Social Impact Assessment Revisited: Interpretation of a Cumulative Effects Case Study on Lead Contamination and Economic Change. *Impact Assessment and Project Appraisal* **24 (2)**: 139-149.
- Sjah T, Cameron DC & Woodford KB. (2006).** Extension service and farmer decision making on new cropping land in East Lombok, Indonesia. *Journal of International Agricultural & Extension Education*, **13(2)**: 39-55.
- Smorfitt DB, Harrison SR & Herbohn JL. (2006).** Development of Short-term Cost Curves and Derivation of Long-term Decision Curves for Portable Sawmills Used in Milling Mixed Species in North Queensland, Australia. *Australian Forestry* **70(2)**: 223-232.
- Spencer RJ. & Baxter GS. (2006).** Effects of fire on the structure and composition of open eucalypt forests. *Austral Ecology* **31(5)**: 638-646.
- Stork N, Harrison S, Herbohn J, & Keenan R. (2006).** Biodiversity conservation and sustainable management of forests: Socio-economic problems with farm forestry of rainforest timber production in North Queensland. In Suzuki, K., Ishii, K., Sakurai, S. and Sasaki, S. (Eds) *Plantation Technology in Tropical Forest Science.* Springer Verlag, Tokyo, 265-281.
- Sun X & Collins R. (2006).** Chinese consumer response to imported fruit: intended uses and their effect on perceived quality. *International Journal of Consumer Studies* **30(2)**: 179-188.
- Wardell-Johnson G, Stone C, Recher H & Lynch J. (2006).** Bell Miner Associated Dieback (BMAD) Independent Scientific Literature Review: *A review of eucalypt dieback associated with Bell Miner habitat in north-eastern New South Wales, Australia.* DEC NSW Occasional Paper DEC 2006/116.
- Willson G, Page MJ & Akyuz FA. (2006).** Precipitation and fire effects on flowering of a rare prairie orchid. *Great Plains Research* **16**: 37-43.
- Witt GB, Luly J & Fairfax RJ. (2006).** How the west was once: vegetation change in south west Queensland ~ 1930 - 1995. *Journal of Biogeography.* **33**: 1585-1596.