Welcome to the November ANU Integration News.

This is the last Integration News for 2010. We’ll be back in February 2011. We wish you all a relaxing summer break and a healthy, happy and fulfilling new year.

Gabriele Bammer and Peter Deane

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NEWS & EVENTS


Thanks to Dr Alice Roughley who led an informative discussion among the 13 participants at this session. Alice briefly described three categories of enablers – personal and professional relationships, project design, and organisational structure and arrangements, which resonated with the other attendees, who offered additional perspectives from their research and experience.
New Conference Announcements

- **4-7 January 2011**, 44th Hawaii International Conference on System Sciences (HICSS), Koloa, Kauai, Hawaii (http://www.hicss.hawaii.edu/hicss_44/apahome44.htm)
  - 2nd International Multi-Conference on Complexity, Informatics and Cybernetics (IMCIC 2011)
  - 5th (SPRING) International Conference of Knowledge Generation, Communication and Management (KGCM 2011)
- **5-7 April 2011**, YoungOR (Operational Research) 17, Nottingham, UK (http://www.orsoc.org.uk/orshop/%28rnjaegrae3uyls455sewrj2%29/orcontent.aspx?inc=yor_17_main.htm)
- **4-9 April 2011**, DEVS (Discrete Event System) Integrative Symposium on Theory of Modeling and Simulation, Boston, Massachusetts, USA (http://www.sce.carleton.ca/faculty/wainer/DEVS11/doku.php)
- **10-14 May 2011**, Community-University Partnerships: Bringing Global Perspectives to Local Action, Ontario, Canada (http://www.cuexpo2011.ca/)
- **31 May - 3 June 2011**, 4th CHAOS (Chaotic Modeling and Simulation) International Conference, Agios Nikolaos, Crete, Greece (http://www.cmsim.org/)
- **4-8 June 2011 and 13-17 June 2011**, 17th International Symposium on Society and Resource Management. A split conference, catering for different parts of the world:
  - Madison, Wisconsin, USA (4-8 June) (http://www.issrm2011madison.iasnr.org)
  - Kota Kinabalu, Sabah, Malaysia (13-17 June) (http://www.issrm2011malaysia.iasnr.org)
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- 14-16 July 2011, Constructions of the Future: Life Beyond Disciplines An International and Interdisciplinary Conference, Heidelberg, Germany (http://call-for-papers.sas.upenn.edu/node/38694)
  - 2nd International Symposium on Science 2 and Expansion of Science (S2ES)
  - 5th (SUMMER) International Conference on Knowledge Generation, Communication and Management (KGCM 2011)
  - 5th International Multi-Conference on Society, Cybernetics and Informatics (IMSCI 2011)
  - 8th International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA)
  - 16th International Symposium on Risk Management and Cyber-Informatics (RMCI 2011)
- 24-28 July 2011, 29th International Conference of The System Dynamics Society, Washington DC, USA (http://systemdynamics.org/conferences/current/)
- 6–8 September 2011, OR (Operational Research) 53 Conference, Nottingham, UK (Note: website yet to be built - http://www.orsoc.org.uk/)
- 12-16 September 2011, ECCS (European Conference on Complex Systems) ’11, Vienna, Austria (http://eccs2011.eu/)
- 14-16 September 2011, Transdisciplinarity Conference (td-conference): Evaluation of Inter- and Trans-disciplinary Research, Practice and Teaching, Berne, Switzerland (Note: site under construction - http://www.transdisciplinarity.ch/e/Conference/international/2011/)
- 2-5 November 2011, Annual Meeting of the Society for Social Studies of Science (4S), Cleveland, Ohio, USA (http://www.4sonline.org/meeting)

Upcoming Conference Reminders

- 1-4 December 2010, Interdisciplinary Congress: Gendered Ways of Knowing? Gender, Natural Sciences and Humanities, Trento, Italy (http://gender2010.fbk.eu/)
- 26-28 February 2011, International Conference on Social Science and Humanity 2011, Singapore (http://www.icssh.org/)
• 11-15 April 2011, Second Annual International Science of Team Science Conference, Chicago (http://scienceofteamscience.northwestern.edu/annual-scits-conference)
• 18-22 July 2011, 6th International Conference on Environmental Future, Newcastle upon Tyne, UK (http://www.icorg.uk)
• 5-7 August 2011, Third International Conference on Science in Society, Washington DC, USA (http://science-society.com/conference-2011/)
• 7-8 October 2011, International Conference on Social Sciences, İzmir, Turkey (http://www.icssconference.net/)

ANU INTEGRATION NETWORK MEMBER PUBLICATIONS


“In a context of global agricultural intensification, integrating conservation and agricultural production is a major challenge. We have tackled the problem using a transdisciplinary research framework. Our work focuses on part of the upper Lachlan River catchment in southeastern Australia. The region is dominated by livestock grazing, and is part of an internationally recognised threatened ecoregion because most native woodland vegetation has been cleared. In productive areas, most remnant vegetation occurs as scattered and isolated paddock trees, which are dying from old age and not regenerating due to agricultural practices. The policy context and industry trends present additional risks for sparse trees. These declining trees provide many ecosystem services, including enhanced water infiltration, shade for livestock, aesthetic and cultural values, and habitat for native species. Our research aims to identify management options and policy settings that enable landscape-scale tree regeneration while maintaining grazing production. Our findings highlight tensions between the trajectory of tree cover in the region and stakeholder values. Under status quo management, many scattered and isolated paddock trees will be lost from farms, although most farmers would like to see them persist. Case studies on selected farms reveal management strategies that may be more sustainable in terms of tree regeneration and agricultural productivity, such as rotational grazing. In
addition to these applied insights, our work provides a case study illustrating how a transdisciplinary study can be conducted efficiently by a small team. Our pragmatic approach has successfully combined targeted disciplinary activities with strategic collaborations and stakeholder engagement, all united by shared landscape, case graziers, and outreach activities”.

The authors are all at the Fenner School of Environment and Society. Kate Sherren is also Assistant Professor at the School for Resources and Environmental Studies, Dalhousie University, Halifax, Canada


“Purpose – Curriculum design is often a challenge. It is particularly so when the subject is sustainability, which is an aspirational but contested concept, draws on a range of disciplinary insights and is relatively new to university curricula. There is no single “right way”, or even agreement across the disciplines that inform the collective enterprise about general approaches to sustainability curricula. The likely content is ill-defined and spans departmental units and budget areas in most traditional universities. Like other societal and institutional attempts at realising sustainability, curriculum design for sustainability is beset by difficulty, yet an essential intellectual activity. This paper aims to focus on these issues. Design/methodology/approach – The paper compares actual curriculum development processes for “sustainability” in two very different Australian universities, as studied using participant observation and qualitative interviews. Findings – The paper draws out some of the common challenges of interdisciplinary curriculum design for sustainability, and identifies four principles transferrable to other institutional adaptation settings. It argues that curriculum design is an opportunity to develop collegiality, and further advance the problem area under discussion. Originality/value – Case study research is often difficult to generalise to other settings. The opportunity to observe two sustainability curriculum design processes, operating in parallel, provides transferrable insights”.

The authors are all at the Fenner School of Environment and Society. Kate Sherren is also Assistant Professor at the School for Resources and Environmental Studies, Dalhousie University, Halifax, Canada

**JOURNAL PROFILE**

*Project Management Journal*

The *Project Management Journal* is focused on research into project, program and portfolio management. It has an interdisciplinary perspective and publishes on theory, practice, techniques and applications in project management and allied areas. The audience includes professionals, scholars, managers, business leaders and other individuals who seek to further their project management skills and practices.

* Impact factor (2009): Nil
* Journal ranking: B (in the Australian Research Council (ARC) Excellence in Research for Australia (ERA) 2010 Ranked Journal List)

ABOUT ANU INTEGRATION NEWS

This newsletter aims to share updates on events, visitors, activities, opportunities and resources among ANU staff and students with an interest in research integration (or inter- or trans-disciplinarity).

Back issues are available at http://i2s.anu.edu.au/i2s-publications/anu-integration-news. To contribute material or to subscribe or unsubscribe from the newsletter, please contact Peter Deane at peter.deane@anu.edu.au.