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WELCOME

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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- **Sherren, K., Robin, L., Kanowski, P. and Dovers, S.** (2010). Escaping the disciplinary straitjacket: Curriculum design as university adaptation to sustainability. *Journal of Global Responsibility*, **1**, 2: 260-278

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NEWS & EVENTS

Report back on the 27 October 2010 ANU Integration Network Meeting: 'What works: Organizational enablers for research integration'.

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.

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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)
- 9-11 January **2011**, Innovation and Sustainability Transitions in Asia, Kuala Lumpur, Malaysia (<http://umconference.um.edu.my/it-apn2011>)
- 7-9 March **2011**, Workshop on Philosophy of Interdisciplinarity: New Practices of Philosophy - Taking Philosophy beyond Disciplinary Bounds, Denton, Texas USA (Deadline for submissions is currently 1 December 2010) (http://www.pin-net.gatech.edu/international_conference_2011.php)
- 27-30 March **2011**, International Institute of Informatics and Systemics (IIIS) - **March sub-conferences** (http://www.iiis.org/iiis/IIISConferences_spring_2011.asp):
 - 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/%28rnjaegrae3uyls455sewruj2%29/orcontent.aspx?inc=yor17_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>)
- 2-3 May **2011**, 10th IAS-STIS (Institute for Advanced Studies on Science, Technology and Society) Annual Conference: Critical Issues in Science and Technology Studies, Graz, Austria (http://www.ifz.tugraz.at/index_en.php/article/articleview/1828/1/74/)
- 8-10 May **2011**, 17th Annual Conference of the International Sustainable Development Research Society, New York, NY, USA (<http://isdrc17.ei.columbia.edu/?id=home>)
- 10-14 May **2011**, Community-University Partnerships: Bringing Global Perspectives to Local Action, Ontario, Canada (<http://www.cuexpo2011.ca/>)
- 12-13 May **2011**, The 4th International Seville Conference on Future-Oriented Technology Analysis (FTA): FTA and Grand Societal Challenges – Shaping and Driving Structural and Systemic Transformations, Seville, Spain (http://foresight.jrc.ec.europa.eu/fta_2011/intro.html)
- 28-29 May **2011**, 9th Transformative Learning Conference: Transformative Learning in Time of Crisis: Individual and Collective Challenges, Athens, Greece (<http://www.transformativelearning.org/index/Greece2011TLCCall101510.pdf>)
- 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>)
- 20-23 June **2011**, International Council on Systems Engineering 2011 International Symposium, Denver, Colorado, USA (<http://www.incose.org/symp2011/>)
- 11-13 July **2011**, 6th Interdisciplinary Social Sciences Conference, New Orleans, Louisiana, USA (<http://thesocialsciences.com/conference-2011/>)

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- 11–13 July **2011**, Australian Universities Community Engagement Alliance (AUCEA) International Conference, Sydney (Current abstract call deadline 31 January 2010) (<http://aucea.com.au/news/call-for-proposals-2011-conference>)
- 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>)
- 19th–22 July **2011**, International Institute of Informatics and Systemics (IIIS) - **July sub-conferences** (http://www.iiis.org/iiis/IIISConferences_summer_2011.asp):
 - 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)
- 17-22 July **2011**, 55th Meeting of the International Society for the Systems Sciences, Hull, UK (Note: site under construction - http://iss.org/world/2011_Hull_UK)
- 24-28 July **2011**, 29th International Conference of The System Dynamics Society, Washington DC, USA (<http://systemdynamics.org/conferences/current/>)
- 27-31 July **2011**, Annual Meeting of the Society for Values in Higher Education: Immigration and Identities - Academic Cultures in Transition, Elmhurst, Illinois (<http://www.svhe.org/content/2011-call-papers>)
- 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>)
- 12-16 December **2011**, International Congress on Modelling and Simulation: Understanding and Living with Uncertainty, Perth (<http://www.mssanz.org.au/modsim2011/>)

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/>)
- 2-4 March **2011**, Practicing Theory: Amsterdam School for Cultural Analysis (ASCA) International Workshop and Conference, Amsterdam, Netherlands (<http://www.hum.uva.nl/practicing-theory>)

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- 11-16 March **2011**, Resilience 2011: Resilience, Innovation and Sustainability: Navigating the Complexities of Global Change, Tempe, Arizona
(http://resilience2011.org/index.php?option=com_content&view=frontpage&Itemid=1)
- 21-22 March **2011**, 4th Annual NIH Conference on the Science of Dissemination and Implementation: Policy and Practice, Bethesda, Maryland
(<http://conferences.thehillgroup.com/obsr/DI2011/index.html>)
- 11-15 April **2011**, Second Annual International Science of Team Science Conference, Chicago
(<http://scienceofteamscience.northwestern.edu/annual-scits-conference>)
- 20-23 April **2011**, XVIIIth International Conference of the Society for Human Ecology, Human Responsibility & Environmental Change: Planning, Process, and Policy, Lake Las Vegas, Nevada, USA
(http://www.societyforhumanecology.org/final%20program_files/CallForPapers.html)
- 4 June **2011**, Inter And Transdisciplinary Issues Of Economic Behavior, Bucharest, Romania
(http://itchannel.ro/faa-sesiune/sites/default/files/Call_for_papers_W_ITIEB_2011.pdf)
- 18-22 July **2011**, 6th International Conference on Environmental Future, Newcastle upon Tyne, UK (<http://www.icef.org.uk>)
- 5-7 August **2011**, Third International Conference on Science in Society, Washington DC, USA
(<http://science-society.com/conference-2011/>)
- 22-24 August **2011**, Aberdeen Centre for Environmental Sustainability - Conservation Conflicts: Strategies for Coping with a Changing World, Aberdeen, Scotland
(<http://www.aces-2011.org/>)
- 7-8 October **2011**, International Conference on Social Sciences, İzmir, Turkey
(<http://www.icssconference.net/>)

ANU INTEGRATION NETWORK MEMBER PUBLICATIONS

Sherren, K., Fischer, J., Clayton, H., Schirmer, J. and Dovers, S. (2010). Integration by case, place and process: Transdisciplinary research for sustainable grazing in the Lachlan River catchment, Australia. *Landscape Ecology*, **25**: 1219–1230.

"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

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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

Sherren, K., Robin, L., Kanowski, P. and Dovers, S. (2010). Escaping the disciplinary straitjacket: Curriculum design as university adaptation to sustainability. *Journal of Global Responsibility*, 1, 2: 260-278

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.

* Website: <http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291938-9507>

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* 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.