Welcome to the first I2S News for 2012. We are steadily building a collection of resources for Integration and Implementation Science (I2S) to support research which:

- Synthesises knowledge from different disciplines and stakeholders,
- Understands and manages diverse unknowns, and
- Provides integrated research support for policy and practice change.

To see all the resources we have assembled to date go to http://i2s.anu.edu.au/resources.

We publicise these resources in good faith and cannot vouch for or endorse them. We are always pleased to receive contributions.

Gabriele Bammer and Peter Deane

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FEATURED METHODS

Pre-empting Discord: Pre-nuptial Agreements for Scientists


Detail: “People often assume that since they share an interest in the same research area and have complementary skills and areas of expertise, things will just work out. But scientific collaborations, like other important relationships, take some forethought and some ongoing work to succeed... Most often, problems arise in scientific collaborations because the scientists failed to explicitly define their expectations of one another”. This short article presents a number of core issues researchers may wish to make explicit before collaborating, for example on authorship, adding additional collaborators, and identification of roles and tasks.


Writing for Change: An Interactive Guide to Effective Writing, Writing for Science, and Writing for Advocacy


Details: Available as an interactive CD-ROM and online as an open e-book and allied PDF, Writing for Change aims to enhance capacity “to write in ways that promote action from your target audience. It is full of practical exercises and examples from the field of international development.” There are also training materials and links to useful websites. The target audiences are “researchers, campaigners, scientists, fundraisers, project managers, social activists, and especially trainers in writing and communication skills”.

Open e-book online at: [http://web.idrc.ca/IMAGES/books/WFC_English/WFC_English/sitemap.html](http://web.idrc.ca/IMAGES/books/WFC_English/WFC_English/sitemap.html) (viewed 20 January 2012).


For more tools, such as
- Quantitative Risk Matrices
See: [http://i2s.anu.edu.au/resources/tools](http://i2s.anu.edu.au/resources/tools)
CASE REPOSITORIES

Case Studies in Interdisciplinary Research


The cases illustrate Repko's model of the interdisciplinary research process (found in Interdisciplinary Research: Process and Theory, 2008; second edition 2012), especially how to draw on disciplinary insights and approaches to integration. Topics cover Israel's conflicted identity, "the metropolitan problem", the causes of suicide terrorism, the causes of economic growth, the evolutionary origin of language, understanding human action, and school violence. The book concludes with a comparative knowledge base on research integration.


For more case repositories, such as

• Handbook of Transdisciplinary Research
See: http://i2s.anu.edu.au/resources/case-repositories

FEATURED JOURNAL

Translational Behavioral Medicine: Practice, Policy, Research

Although Translational Behavioral Medicine (TBM) focuses on a specific field, it is also interested in the process of research translation and in prompting "debate on policy issues that surround implementing the evidence". It is an international peer-reviewed journal that offers continuous, online-first publication.

• Website: http://www.springer.com/medicine/journal/13142 (viewed: 20 January 2012)
• Impact factor (2010): Nil

Call for Papers: Team Approaches to Science, Practice, and Policy in Health

Translational Behavioral Medicine (TBM) has issued a call for papers "describing the use and/or facilitation of team-oriented approaches to practice, policy, and research in the context of behavioral medicine translation. Selected manuscripts will be published, along with invited commentaries, in the eighth issue of Translational Behavioral Medicine. Manuscripts may address a range of topics regarding team-oriented practice, policy, and research focused on behavioral medicine. Examples include: the formation and management of teams to translate evidence-based interventions for real world practice; the role of policy in supporting or hindering cross-disciplinary teams; and descriptions/evaluations of training resources designed to support team-oriented translation in behavioral medicine. Qualitative and quantitative approaches are welcome. The editors are particularly
interested in publishing papers that reflect multi-, inter-, or transdisciplinary perspectives and will give preference to manuscripts submitted by a team of authors representing different disciplines.”

- Submission deadline: May 15, 2012

For more journals, such as
- Sustainability in Debate
- Journal of Integrated Social Sciences
See: [http://i2s.anu.edu.au/resources/journals](http://i2s.anu.edu.au/resources/journals)

**FEATURED NETWORK**

**Research to Action (R2A)**

Research to Action (R2A) is focused on getting development research into practice. “It is a platform that researchers can use to learn the ‘How, What, When, Where and Why’ of communicating effectively with those audiences who will be able to put their research to work [and it] provides valuable information on making research accessible, using intermediaries, and knowing your audience, and shows the value of monitoring and evaluating the ways in which your research engages with the ‘outside’ world.”


For more professional associations & networks, such as
- Network for Transdisciplinary Research (td-net)

**FEATURED COURSE**

**Model Thinking (free, on-line)**

Scott E Page (Director of the Center for the Study of Complex Systems at the University of Michigan) runs this free on-line course to illustrate how models make users better thinkers. They help in 1) organizing information, 2) making accurate forecasts, 3) making better decisions and 4) adopting more effective strategies. He presents “an overview of many of the most important models in social science”. These include models of tipping points, the wisdom of crowds, why some countries are rich and some are poor, and models for understanding the strategic decisions of firms and politicians. The course is open to anyone and different levels of participation are possible. Further information on how the class will work is available via the course website (see below).

- Course begins: February 2012
- Course details: [http://www.modelthinker-class.org/](http://www.modelthinker-class.org/)
CONFERENCES

Upcoming Conference Announcements
Conferences which have not been listed in previous newsletters are marked [NEW].

**General Interdisciplinarity/Transdisciplinarity/Team Science/Action Research**

- 16-19 April 2012, 3rd Annual International SciTS (Science of Team Science) Conference, Chicago, USA (http://scienceofteamsceince.northwestern.edu/annual-scits-conference)
- 3-8 June 2012, Academy of Transdisciplinary Learning & Advanced Studies (ATLAS) bi-annual meeting, Taichung, Taiwan (http://www.theatlas.org/index.php?option=com_content&view=article&id=22&Itemid=37)
- 22 June 2012, Swiss Conference on Interdisciplinarity and Transdisciplinarity, Sion, Switzerland (http://www.iukb.ch/index.php?id=464)
- 25-28 June 2012, 7th International Conference on Interdisciplinary Social Sciences, Barcelona, Spain (http://thesocialsciences.com/conference-2012/)
- 12-14 July 2012, 7th Annual Interdisciplinary Network for Group Research (INGroup) Conference, Chicago, USA (http://www.ingroup.net/conference.html)
- [NEW] 5-7 October 2012, 5th International Conference On Social Sciences (ICSS): Advancing Interdisciplinary and Multidisciplinary Studies on Social Sciences, İzmir, Turkey (http://www.icssconference.net/)
- 5-8 February 2013, XIX International Conference of the Society for Human Ecology jointly with IV International Conference on Sustainability Science in Asia - Decisions that Work:
Linking Sustainability, Environmental Responsibility and Human Well-being, Canberra, Australia (http://www.societyforhumanecology.org/)

**Systems and Modelling/ Simulation**

- 12-15 June 2012, 5th Chaotic Modeling, Simulation and Applications (CHAOS) 2012 International Conference, Athens, Greece (http://www.cmsim.org/)
- [NEW] 9-13 July 2012, Modelling sessions at the 8th International Conference on Social Science Methodology:
  - Section: Modelling and simulation:
    - Session: Handling Complex Societal Systems: a Methodological Challenge
    - Session: New Normative Metrics in the Empirical Behavioral Sciences
    - Session: Social Simulation and Modelling for Public Policy
    - Session: Social Simulation Methods
    - Session: SOCIAL NETWORK ANALYSIS - General
    - Session: Social Network Data Collection in Population Surveys
  - Section: Social network analysis
    - Session: Models and Methods in Social Network Analysis
    - Session: Social Media Network Analysis,
- [NEW] 16-19 July 2012, 7th Institute of Electrical and Electronics Engineers (IEEE) System of Systems Engineering (SoSE) Conference: Cooperative and Competitive Distributed Decision Making for Complex Dynamic Systems, Genoa, Italy (http://www.sose2012.eu/)

• 22-26 July 2012, 30th International Conference of the System Dynamics Society: Model-based Management, St. Gallen, Switzerland (http://conference.systemdynamics.org/)

• [NEW] 3-7 September 2012, European Conference on Complex Systems, Brussels, Belgium (http://eccs2012.eu/)

• [NEW] 4-6 September 2012, Operational Research (OR) 54 Annual Conference, Edinburgh, UK (http://www.theorsociety.com/Pages/Conferences/OR54/OR54.aspx)

• [NEW] 4-7 September 2012, 9th Conference on Applications of Social Network Analysis (ASNA), Zurich, Switzerland (http://www.asna.ch/)

• [NEW] 4-7 September 2012, 4th World Congress on Social Simulation (WCSS), Taipei, Taiwan (http://www.aiecon.org/conference/wcss2012/)

• [NEW] 10-14 September 2012, 8th Conference of the European Social Simulation Association, Salzburg, Austria (http://www.essa2012.org/)


Uncertainty and Risk


Bridging the Research-Policy/Practice Gap


Other

• 15-17 February 2012, 2nd Annual European Postgraduate Symposium: Sustainable Development Symposium, Graz, Austria (http://sds2012.tugraz.at/)


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- 10-11 March 2012, 2nd International Conference on Social Science and Humanity (ICSSH), Chennai, India (http://www.icssh.org/)
- 18-21 April 2012, 15th Community-Campus Partnerships for Health (CCPH): Community-Campus Partnerships as a Strategy for Social Justice: Where We've Been & Where We Need to Go, Houston, USA (http://www.ccpph.info/)
- 4-6 June 2012, 4th UN Conference on Sustainable Development: Rio+20, Rio de Janeiro, Brazil (http://www.earthsummit2012.org/)
- 17-21 June 2012, 18th International Symposium on Society and Resource Management (ISSRM) - Linking the North and the South: Responding to Environmental Change, Alberta, Canada (http://www.issrm2012.iasnr.org/)
- 6-8 July 2012, 12th International Conference on Knowledge, Culture and Change in Organizations, Chicago, USA (http://ontheorganization.com/conference-2012/)
- 1-5 August 2012, Society for Values in Higher Education (SVHE) Annual Meeting: Imagination and Compassion in Higher Education, Madison, USA (http://www.svhe.org/content/2012-call-papers)
- 17-19 November 2012, 4th International Conference on Science in Society, Berkeley, California, USA (http://science-society.com/conference-2012/)

ABOUT I2S NEWS

The aim of this newsletter is to provide regular (bi-monthly) updates about resources for researchers interested in Integration and Implementation Sciences (I2S), which underpins the investigation and tackling of complex real world problems, by:

- Synthesizing knowledge from different disciplines and stakeholders,
- Understanding and managing diverse unknowns, and
- Providing integrated research support for policy and practice change.

Each issue features concepts, methods or case studies relevant to I2S – either a useful compilation or a single tool of note. We also provide information about journals, professional associations & networks, courses and conferences where researchers can learn from others, report their methodological findings and interact with like-minded peers.
The I2S News is archived at: http://i2s.anu.edu.au/i2s-publications/newsletters/i2s-news.

To subscribe or unsubscribe to the newsletter go to “I2S Updates” at http://i2s.anu.edu.au or contact Peter Deane at peter.deane@anu.edu.au.

To contribute material please contact Peter Deane at peter.deane@anu.edu.au.