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## WELCOME

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**

Gadlin, Howard and Jessar, Kevin. (2002). Preempting Discord: Pre-nuptial Agreements for Scientists. *The NIH Catalyst*, May-June 2002.

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.

Full text online at: <http://www.nih.gov/catalyst/2002/02.05.01/page6.html> (viewed 20 January 2012).

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

Barker, A and Manji, F. (2000). *Writing for Change: An Interactive Guide to Effective Writing, Writing for Science, and Writing for Advocacy*. International Research Development Centre, Ottawa, Canada.

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).

General details at:

<http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=335> (viewed 20 January 2012).

For more tools, such as

- Quantitative Risk Matrices

See: <http://i2s.anu.edu.au/resources/tools>

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## CASE REPOSITORIES

### Case Studies in Interdisciplinary Research

Repko, A. F., Newell, W. H., and Szostak, R. (2012). *Case Studies in Interdisciplinary Research*. Sage: California, USA.

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.

Website (of book publisher): <http://www.sagepub.com/books/Book234643> (viewed: 18 January 2012).

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

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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
- Website: <http://www.sbm.org/publications/translational-behavioral-medicine/call-for-papers-team-approaches> (viewed: 1 February 2012)

For more journals, such as

- Sustainability in Debate
- Journal of Integrated Social Sciences

See: <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.”

- Website: <http://www.researchtoaction.org/>. To join the R2A community see: <http://www.researchtoaction.org/wp-login.php>.

For more professional associations & networks, such as

- Network for Transdisciplinary Research (td-net)

See: [http://i2s.anu.edu.au/resources/associations\\_networks](http://i2s.anu.edu.au/resources/associations_networks)

## 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/>

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## CONFERENCES

### Upcoming Conference Announcements

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

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

- 29 February-2 March 2012, Leuphana Sustainability Summit - Sustainability: Enabling a Transdisciplinary Approach, Lüneburg, Germany (<http://www.leuphana.de/en/faculty-sustainability/news/leuphana-sustainability-summit.html>)
- 16-19 April 2012, 3<sup>rd</sup> Annual International SciTS (Science of Team Science) Conference, Chicago, USA (<http://scienceofteamscience.northwestern.edu/annual-scits-conference>)
- [NEW] 7-8 May 2012, 11<sup>th</sup> Annual IAS-STs (Institute for Advanced Studies on Science, Technology and Society) Conference: Critical Issues in Science and Technology Studies, Graz, Austria (<http://www.ifz.tugraz.at/ias/IAS-STs/Upcoming-Activities/11th-Annual-IAS-STs-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](http://www.theatlas.org/index.php?option=com_content&view=article&id=22&Itemid=37))
- 10-14 June 2012, Society for Design and Process Science (SDPS), World Conference on Integrated Design and Process Technology (IDPT) - 17<sup>th</sup> International Conference on Transformative Science, Engineering, and Business Innovation: The Technology of Complex Systems, Berlin, Germany ([http://sdpsnet.org/sdps/images/sdps\\_2012\\_call\\_for\\_papers\\_2011-10-5\\_v1\\_iso\\_a4.pdf](http://sdpsnet.org/sdps/images/sdps_2012_call_for_papers_2011-10-5_v1_iso_a4.pdf))
- 22 June 2012, Swiss Conference on Interdisciplinarity and Transdisciplinarity, Sion, Switzerland (<http://www.iukb.ch/index.php?id=464>)
- 25-28 June 2012, 7<sup>th</sup> International Conference on Interdisciplinary Social Sciences, Barcelona, Spain (<http://thesocialsciences.com/conference-2012/>)
- 12-14 July 2012, 7<sup>th</sup> Annual Interdisciplinary Network for Group Research (INGRoup) Conference, Chicago, USA (<http://www.ingroup.net/conference.html>)
- [NEW] 26-30 August 2012, 32<sup>nd</sup> International Geographical Congress: Down to Earth (session: Crossing Boundaries in Human-Environment-System Research -Exploring Transdisciplinary Approaches), Cologne, Germany (<https://igc2012.org/frontend/index.php>)
- [NEW] 5-7 October 2012, 5<sup>th</sup> International Conference On Social Sciences (ICSS): Advancing Interdisciplinary and Multidisciplinary Studies on Social Sciences, İzmir, Turkey (<http://www.icssconference.net/>)
- [NEW] 11-14 October 2012, 34<sup>th</sup> Annual Association for Integrative Studies (AIS) Conference: Public Policy and the Promise of Interdisciplinary Dialogue, Rochester, USA (<http://www.oakland.edu/2012AIS>)
- [NEW] 26-31 October 2012, 75<sup>th</sup> Annual Meeting of the American Society for Information Science and Technology: Information, Interaction, Innovation - Celebrating the Past, Constructing the Present, and Creating the Future, Baltimore, USA (<http://www.asis.org/asist2012/>)
- 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:

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Linking Sustainability, Environmental Responsibility and Human Well-being, Canberra, Australia  
(<http://www.societyforhumanecology.org/>)

### Systems and Modelling/Simulation

- [NEW] 29 February-5 March 2012, 7<sup>th</sup> International Conference on Systems (ICONS), Reunion Island, France (<http://www.iaaria.org/conferences2012/ICONS12.html>)
- 16-18 March 2012, Plexus CHANGE 2012, Silver Spring, USA (<http://www.plexusinstitute.org/?page=plexus2012>)
- 26-29 March 2012, Symposium On Theory of Modeling and Simulation (TMS'12) (formerly known as the DEVS Integrative M&S Symposium), Orlando, Florida, USA (<http://tms-devs.org/doku.php>)
- [NEW] 27-28 March 2012, 6<sup>th</sup> Simulation Workshop (SW12), Worcestershire, UK (<http://www.theorsociety.com/Pages/Conferences/SW12/SW12.aspx>)
- 12-15 June 2012, 5<sup>th</sup> Chaotic Modeling, Simulation and Applications (CHAOS) 2012 International Conference, Athens, Greece (<http://www.cmsim.org/>)
- [NEW] 9-12 July 2012, 22<sup>nd</sup> Annual International Council on Systems Engineering (INCOS) International Symposium, Rome, Italy (<http://www.incose.org/symp2012/index.php>)
- [NEW] 9-13 July 2012, Modelling sessions at the 8<sup>th</sup> 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, Sydney, Australia (<http://conference.acspri.org.au/index.php/rc33/2012/index/>)
- 15-20 July 2012, International Society for the Systems Sciences Conference: Service Systems, Natural Systems, San Jose, USA (<http://iiss.org/world/sanjose-2012>)
- [NEW] 16-19 July 2012, 7<sup>th</sup> 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/>)
- [NEW] 17-20 July 2012, International Institute of Informatics and Systemics (IIIS) conferences (of note), Orlando, Florida, USA ([http://www.iiis.org/iiis/IIISConferences\\_summer\\_2012.asp](http://www.iiis.org/iiis/IIISConferences_summer_2012.asp)):
  - Sub-conference: 16<sup>th</sup> World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2012 (<http://www.iiis2012.org/wmsci/website/default.asp?vc=1>)
  - Sub-conference: The 9<sup>th</sup> International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2012 (<http://www.iiis2012.org/imeti/website/default.asp?vc=6>)
  - Sub-conference: The 6<sup>th</sup> International Multi-Conference on Society, Cybernetics and Informatics: IMSCI 2012 (<http://www.iiis2012.org/imsci/website/default.asp?vc=17>)

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- Sub-conference: Special Track on Politics and Information Systems, Technologies and Applications: PISTA 2012 (<http://www.iis2012.org/imsci/website/default.asp?vc=4>)
- 22-26 July 2012, 30<sup>th</sup> 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, 9<sup>th</sup> Conference on Applications of Social Network Analysis (ASNA), Zurich, Switzerland (<http://www.asna.ch/>)
- [NEW] 4-7 September 2012, 4<sup>th</sup> World Congress on Social Simulation (WCSS), Taipei, Taiwan (<http://www.aiecon.org/conference/wcss2012/>)
- [NEW] 10-14 September 2012, 8<sup>th</sup> Conference of the European Social Simulation Association, Salzburg, Austria (<http://www.essa2012.org/>)
- [NEW] 14-17 October 2012, Institute of Electrical and Electronics Engineers (IEEE) International Conference on Systems, Man, and Cybernetics: Coupling Humans and Complex Systems in a Cyber World - Today's Principles for Tomorrow's Society, Seoul, Korea (<http://www.smc2012.org/>)
- [NEW] 18-23 November 2012, 4<sup>th</sup> International Conference on Advances in System Simulation, Lisbon, Portugal (<http://www.iaaria.org/conferences2012/SIMUL12.html>)
- [NEW] 12-14 December 2012, Complex Systems Design and Management (CSDM) Conference, Paris, France (<http://www.csdm2012.csdm.fr/>)

### Uncertainty and Risk

- 18-20 June 2012, Society for Risk Analysis (SRA)-Europe Conference 2012: Risk and Society - Decisions & Responsibilities, Zurich, Switzerland (<http://www.sraeurope.org/home.aspx?lan=230&tab=745&pag=747>)
- [NEW] 9-13 July 2012, 14<sup>th</sup> International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Catania, Italy ([http://ipmu.lip6.fr/Flyer\\_IPMU\\_2012\\_Catania.pdf](http://ipmu.lip6.fr/Flyer_IPMU_2012_Catania.pdf) (PDF 272KB))
- 18-20 July 2012, 3<sup>rd</sup> World Congress on Risk 2012: Risk and Development in a Changing World, Sydney, Australia (<http://www.sra.org/worldcongress2012.php>)

### Bridging the Research-Policy/Practice Gap

- 19-20 March 2012, 5<sup>th</sup> Annual National Institutes of Health (NIH) Conference on the Science of Dissemination and Implementation: Research at the Crossroads, Bethesda, USA (<http://conferences.thehillgroup.com/obssr/di2012/>)

### Other

- 15-17 February 2012, 2<sup>nd</sup> Annual European Postgraduate Symposium: Sustainable Development Symposium, Graz, Austria (<http://sds2012.tugraz.at/>)
- [NEW] 25-26 February 2012, 13<sup>th</sup> Annual Social Enterprise Conference: Innovation Inclusion and Impact, Cambridge, USA (<http://socialenterpriseconference.org/>)
- 26-29 March 2012, Planet under Pressure Conference: New Knowledge towards Solutions, London, UK (<http://www.planetunderpressure2012.net/>)

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- 10-11 March 2012, 2<sup>nd</sup> International Conference on Social Science and Humanity (ICSSH), Chennai, India (<http://www.icssh.org/>)
- 18-21 April 2012, 15<sup>th</sup> 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.ccpf.info/>)
- 4-6 June 2012, 4<sup>th</sup> UN Conference on Sustainable Development: Rio+20, Rio de Janeiro, Brazil (<http://www.earthsummit2012.org/>)
- 17-21 June 2012, 18<sup>th</sup> 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/>)
- [NEW] 24-26 June 2012, 18<sup>th</sup> Annual International Sustainable Development Research Conference: People, Progress and Environmental Protection, Hull, UK (<http://www2.hull.ac.uk/science/isdrc18.aspx>)
- 6-8 July 2012, 12<sup>th</sup> International Conference on Knowledge, Culture and Change in Organizations, Chicago, USA (<http://ontheorganization.com/conference-2012/>)
- 9-11 July 2012, Australian Universities Community Engagement Alliance (AUCEA) Conference, Brisbane, Australia (<http://www.aucea.org.au/news/aucea-conference-9-11-july-2012/>)
- 27-29 July 2012, WorldFuture 2012: Dream. Design. Develop. Deliver, Ontario, Canada (<http://www.wfs.org/content/register-worldfuture-2011>)
- 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>)
- [NEW] 29-31 August 2012, 3<sup>rd</sup> International Conference on Sustainability Transitions: Navigating Theories and Challenging Realities, Copenhagen, Denmark (<http://www.ist2012.dk/index.php/IST/IST2012>)
- 27-30 September 2012, 26<sup>th</sup> Annual Conference of the Society for Literature, Science, and the Arts (SLSA), Milwaukee, USA (<http://litsciarts.org/index.html>)
- [NEW] 17-20 October 2012, Annual Meeting of the Society for Social Studies of Science (4S): Design and displacement – Social Studies of Science and Technology, Frederiksberg, Denmark (<http://www.4sonline.org/meeting>)
- 17-19 November 2012, 4<sup>th</sup> 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.



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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](mailto:peter.deane@anu.edu.au).

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