

WELCOME

This newsletter features an exciting array of resources. In particular we point out the latest discussion forum of INIT (International Network of Interdisciplinarity and Transdisciplinarity). This runs till mid-October and is centred around two chapters from Roland Scholz's 2011 book *Environmental Literacy in Science and Society: From Knowledge to Decisions*. More details are provided below under Featured Networks.

The materials we have gathered are compiled at <http://i2s.anu.edu.au/resources/> and we'd love to hear from you about new additions.

Gabriele Bammer and Peter Deane

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FEATURED CONCEPTS AND METHODS

Mapping Political Context: A Toolkit for Civil Society Organisations.

Nash, R., Hudson, A. and Luttrell, C. (2006). *Mapping Political Context: A Toolkit for Civil Society Organisations*. Overseas Development Institute, London, UK. Full text online at: <http://www.odi.org.uk/resources/docs/186.pdf> (viewed September 2012).

Details: "This toolkit describes a range of tools that CSOs [Civil Society Organisations] might use to understand and map political context, in order to engage more effectively in policy processes... This

guide introduces a series of tools that have been designed to map various dimensions of political context. The tools have been selected because they cover a wide variety of political dimensions."

The following tools are presented in Mapping Political Context: A Toolkit for Civil Society Organisations:

- Civil Society Index (CIVICUS)
- Country Policy and Institutional Assessment (WB)
- Democracy and Governance Assessment (USAID)
- Drivers of Change (DFID)
- Governance Matters/Country Diagnostics (WBI)
- Governance Questionnaire (GTZ)
- Power Analysis (Sida)
- Stakeholder Analysis
- World Governance Assessment

Team Science Toolkit

Detail: "The Team Science Toolkit is a user-generated collection of information and resources that support the practice and study of team science. The Toolkit connects professionals from many disciplines, providing a forum for sharing knowledge and tools to maximize the efficiency and effectiveness of team science initiatives. A growing body of knowledge about team science is emerging from disciplines as diverse as public health, communications, management sciences, and psychology. The Team Science Toolkit aims to integrate this knowledge, disseminate effective practices, and prevent the unnecessary duplication of efforts." The website is also a portal for further contributions to the resource base and for connecting those interested in team science, via a blog, listserv, news bulletin and expert directory.

Website: <http://www.teamsciencetoolkit.cancer.gov/> (viewed September 2012).

For more methods, such as

- Communicating Research for Evidence-Based Policymaking – A Practical Guide for Researchers in Socio-Economic Sciences and Humanities

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

FEATURED CASE REPOSITORY

Handbook of Transdisciplinary Research

Hirsch Hadorn, G., Hoffmann-Riem, H., Biber-Klemm, S., Grossenbacher-Mansuy, W., Joye, D., Pohl, C., Wiesmann, U. and Zemp, E. (2008). *Handbook of Transdisciplinary Research*. Springer: Dordrecht, Netherlands (<http://www.springer.com/environment/book/978-1-4020-6698-6> (viewed: September 2012)).

This handbook describes 21 cases organised using the three phases of a transdisciplinary research project: (1) problem structuring; (2) problem investigation; (3) bringing results to fruition. Topics are

drawn from many countries and cover global and local environmental concerns, migration, new technologies, public health and socio-cultural change.

For more case repositories, such as

- Transdisciplinary research - Applying Health Social Science: Best Practice in the Developing World

See: <http://i2s.anu.edu.au/resources/case-repositories>

FEATURED JOURNAL

World Futures: The Journal of Global Education

World Futures focuses on the study of nonlinear and evolutionary change in nature and society. From an I2S perspective it is of particular interest because it publishes "research methods of multi-and trans-disciplinary scope". It is strongly interdisciplinary and accepts material from across the sciences broadly. The journal promotes "the transfer of evolutionary models, theories and approaches within and among the natural and social sciences; contributes to the unity of the sciences through the advancement of studies, theories, and research methods of multi-and trans-disciplinary scope; and, explores the application of evolutionary models, theories, and approaches to concrete and urgent problems of human and social interest.

- Website: <http://www.tandfonline.com/loi/gwof20/> (viewed: September 2012).
- Impact factor: N/A

For more journals, such as

- Environmental Conservation
- Futures

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

FEATURED NETWORKS

Inter-Disciplinary.Net

Details: "As a global network of people, projects, and events, *Inter-Disciplinary.Net* is an enabling resource which supports the exploration, development and publication of work that transcends traditional disciplinary boundaries... [It acts as] a forum for the exchange and interaction of ideas, research and points of view that bear on a wide range of issues of concern and interest in the contemporary world... [An aim is to foster] inter- and multi-disciplinary encounters by bringing people together from differing contexts, disciplines, professions, and vocations, with the aim to engender and nurture engagements that cross the boundaries of intellectual work". *Interdisciplinary.Net* has a programme of conferences and publishing linked to sets of meetings, books (and e-books), journals and miscellaneous resources.

- Website: <http://www.inter-disciplinary.net/> (viewed: September 2012).

INIT Discussion Forum

Details: The latest discussion forum of the International Network of Interdisciplinarity and Transdisciplinarity (INIT) is open till mid-October. The focus for postings is two chapters of Roland Scholz's 2011 book *Environmental Literacy in Science and Society: From Knowledge to Decisions*:

- Chapter 15, "Transdisciplinarity for Environmental Literacy" (pp. 373-404). Focus: how disciplinary, interdisciplinary, and transdisciplinary approaches inform advancement of knowledge and education; includes delineation of key terms.
- Chapter 18.2, "Case 2: Transdisciplinary Case Studies for Sustainable Regional and Organizational Transitions" (pp. 473-482). Focus: practical lessons from the Transdisciplinary Case Study (TdCS) approach, with example of the TdCS 2002 project on the "Future of Traditional Industries in the Canton Appenzell Ausserrhoden" in Switzerland.

These are available on their website, where the discussion can also be joined. See: <http://www.interdisciplines.org/paper.php?paperID=408> (viewed: September 2012).

For more professional associations & networks, such as

- Research to Action (R2A)

See: http://i2s.anu.edu.au/resources/associations_networks

CONFERENCES

Upcoming Conferences

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

General Interdisciplinarity/Transdisciplinarity/Team Science/ Action Research

- 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/>)
- 11-14 October 2012, 34th Annual Association for Integrative Studies (AIS) Conference: Public Policy and the Promise of Interdisciplinary Dialogue, Rochester, USA (<http://www.oakland.edu/2012AIS>)
- 23-25 November 2012, Collaborative Action Research Network(CARN) & International Practice Development Collaborative (IPDC) International Conference: Towards Creative Action: Transformations and Collaborations in Practice, Ashford, England (<http://www.canterbury.ac.uk/health/EnglandCentreforPracticeDevelopment/CARNConference2012/home.aspx>)

Systems and Modelling/Simulation

- 22-24 October 2012, 26th European Simulation and Modelling Conference (ESM 2012), Essen, Germany (<http://www.eurosis.org/cms/?q=node/1872>)
- 12-14 November 2012, 22nd Systems Thinking in Action Conference: The Power is in the Connections, Indianapolis, USA (<http://www.systemsthinkinginaction.com/>)
- 9-12 December 2012, Winter Simulation Conference (WSC), Berlin, Germany (<http://wintersim.org/>)
- 12-14 December 2012, Complex Systems Design and Management (CSDM) Conference, Paris, France (<http://www.csdm2012.csdm.fr/>)

- 7-10 January **2013**, 46th Hawaii International Conference on System Sciences (HICSS), Grand Wailea, Hawaii (http://www.hicss.hawaii.edu/hicss_46/apahome46.htm)
- April 7-10 **2013**, Symposium on Theory of Modeling and Simulation (TMS' 13), San Diego, USA (<http://www.sce.carleton.ca/faculty/wainer/DEVS13/doku.php>)
- [NEW] 8-10 May **2013**, 7th International Workshop on Self-Organizing Systems (IWSOS), Palma de Mallorca, Spain (<http://innaxis.org/events/iwsos-2013/>)
- [NEW] 24-27 June **2013**, 23rd Annual International Council on Systems Engineering (INCOSE) International Symposium, Philadelphia, United States of America (<http://www.incose.org/symp2013/>)
- [NEW] 14-19 July **2013**, 57th World Conference of the International Society for the Systems Sciences - Curating the Conditions for a Thrivable Planet: Systemic Leverage Points for Emerging a Global Eco-Civilization, Hai Phong City, Viet Nam (http://isss.org/world/Hai_Phong_City_2013)
- [NEW] 21-25 July **2013**, 31st International Conference of the System Dynamics Society: Creating the Future from Within, Cambridge, Massachusetts, United States of America (<http://conference.systemdynamics.org/>)
- 1-6 December **2013**, MODSIM2013: International Congress on Modelling and Simulation: Adapting to Change - The Multiple Roles of Modelling, Adelaide, Australia (<http://www.mssanz.org.au/modsim2013/index.html>)

Uncertainty and Risk

- 3-5 October 2012, The Communication of Certainty and Uncertainty: Linguistic, Psychological, Philosophical Aspects, Macerata, Italy (<http://www.unimc.it/cuc>)
- 16-18 November 2012, 3rd Asia-Pacific Foresight Conference (APFC 2012), Perth, Australia (<http://asiapacificforesightconference.com/>)
- [NEW] 22-23 November 2012, Risk and Uncertainty in Changing Society, Antwerp, Belgium (http://www.ucsia.org/main.aspx?c=*UCSIAENG2&n=106210)
- 6-8 December 2012, MutaMorphosis: Tribute to Uncertainty, Prague, Czech Republic (<http://mutamorphosis.org/2012/>)
- 9-12 December 2012, Society for Risk Analysis (SRA) Annual Meeting, San Francisco, USA (http://www.sra.org/events_2012_meeting.php)
- [NEW] 23-25 January **2013**, Risk and Uncertainty: Ontologies and Methods, Amsterdam, The Netherlands (<http://www.riskanduncertainty.net/content/call-papers-isaesa-mid-term-conference>)
- 10-12 May **2013**, International Symposium on Integrated Uncertainties in Knowledge Modelling and Decision Making, Beijing, China (<http://icml.buaa.edu.cn/IUKM2013/>)

Bridging the Research-Policy/Practice Gap

- [NEW] 22 October 2012, Annual Conference of the Commission for Research Partnerships with Developing Countries (KFPE): How Research Partnerships with Developing Countries Contribute to Swiss Research and the Swiss Economy, Bern, Switzerland (<http://www.kfpe.ch/registrierung/>)
- 25-26 October 2012, 1st Biennial Australian Implementation Conference: Making Change Happen, Melbourne, Australia (<http://www.ausimplementationconference.net.au/>)

- 7-10 January and 4-7 February **2013**, 'Science Meets Practice' Winter School of the Competence Center Environment and Sustainability of the ETH Domain (CCES), Propstei Wislikofen, Switzerland (http://www.cces.ethz.ch/winterschool/coming_winter_school)

Other

- 4 October 2012, Workshop on Creative Design for Interdisciplinary Projects in Cultural Heritage, Innsbruck, Austria (<http://homes.di.unimi.it/cslab/cdch/>; within the IEEE Symposium on Visual Languages and Human-Centric Computing - <http://vlhcc2012.di.unisa.it/submitting/workshops/>)
- 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>)
- 22-28 October 2012, Research, Technology and Development (RTD) Evaluation Topical Interest Group (TIG) Workshop (general theme: Complex Research Networks) at the 26th Annual Conference of the American Evaluation Association: Evaluation in Complex Ecologies Relationships, Responsibilities, Relevance, Minneapolis, USA (RTD TIG home: <http://comm.eval.org/ResearchTechnologyandDevelopmentEval/Home/>) (Conference home: <http://www.eval.org/eval2012/default.asp>)
- 24-26 October 2012, Environment Institute of Australia and New Zealand (EIANZ) Annual Conference: Stronger, Wiser, Bolder - Empowering the Profession, Sydney, Australia (<http://www.eianz.org/eventsplus/category/environment-institute-annual-conference>)
- 26-31 October 2012, 75th 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/>)
- 1-4 November 2012, 10th International Conference on Transformative Learning - A Future for Earth: Re-Imagining Learning for a Transforming World, San Francisco, USA (<http://meridianuniversity.edu/index.php/about-the-conference>)
- 17-19 November 2012, 4th International Conference on Science in Society, Berkeley, California, USA (<http://science-society.com/conference-2012/>)
- 5-7 December 2012, 26th Annual Australian and New Zealand Academy of Management Conference: Managing for Volatility and Stability, Perth, Australia (<http://www.anzamconference.org/default.asp>)
- 13-14 January **2013**, 9th International Conference on Technology, Knowledge, and Society: Organize, Challenge, Re-Imagine - New Media and Social Movement, Vancouver, Canada (<http://techandsoc.com/2012/02/02/ninth-international-conference-on-technology-knowledge-and-society/>)
- 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://societyforhumanecology.org/she-xix-2013-canberra-australia/>)
- [NEW] 4-8 June **2013**, 19th International Symposium on Society and Resource Management (ISSRM) Conference: A Time for Integration, Estes Park Centre, United States of America (<http://www.issrm2013.iasnr.org/?p=963>)
- 9-14 June **2013**, 7th World Environmental Education Congress: The Rural-Urban Relationship, Marrakech, Morocco (<http://www.weec2013.org/>)

- [NEW] 12-15 June **2013**, Communities and Universities (CU) Expo 2013: Engaging Shared Worlds, Corner Brook, Canada (<http://cuexpo2013.ca/Pages/default.aspx>)
- [NEW] 13-14 June **2013**, 13th International Conference on Knowledge, Culture and Change in Organizations, Prague, Czech Republic (<http://ontheorganization.com/the-conference>)
- 1-3 July **2013**, 19th Annual International Sustainable Development Research Conference (ISDRC19): Just Transitions, Stellenbosch, South Africa (<http://isdrs.org/conferences/19th-conference-2013/>)
- [NEW] 19-21 July **2013**, WorldFuture 2013: Exploring the Next Horizon, Chicago, United States of America (<https://www.wfs.org/civicrm/event/info/?reset=1&id=28>)
- [NEW] 30 July-1 August **2013**, 8th International Conference on Interdisciplinary Social Sciences, Prague, Czech Republic (<http://thesocialsciences.com/the-conference/>)
- [NEW] 1-4 November **2013**, Association for Qualitative Research (AQR), in association with the international Discourse, Power, Resistance (DPR) community, 2013 Conference: Sub-prime Scholarship, Melbourne, Australia (<http://www.aqr.org.au/conferences/conference-2013/>)

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 and case studies relevant to I2S – either a useful compilation or a single example 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.

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.

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