

WELCOME

Welcome to the November/December I2S News. We hope 2017 has been a productive and fulfilling year for you all.

As you may have noticed, six months have passed without an I2S News. We've been distracted by several other tasks, but hope to be back to our normal publishing schedule in 2018.

One welcome distraction is the success of the I2Insights blog (<http://I2Insights.org>), especially the steady stream of blog posts from around the world. We've been spending more time advertising the blog to draw the excellent contributions to wider attention. We also strongly recommend the blog if you are looking for reading over the upcoming break!

In addition, we've been working on refreshing the i2S website (which should be completed in the first quarter of 2018) and on a fuller and more standardized presentation of tools.

Finally, you may be interested in a couple of new publications about i2S:

Bammer, G. (2017). Should we discipline interdisciplinarity? *Palgrave Communication*, 3 (article 30). Online: <https://doi.org/10.1057/s41599-017-0039-7>

Bammer, G. (2017). Strengthening community operational research through exchange of tools and strategic alliances. *European Journal of Operational Research*. (Accepted 29/9/17). Online: <https://doi.org/10.1016/j.ejor.2017.09.041>

Gabriele Bammer and Peter Deane

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- GAIA journal 'Frameworks for Transdisciplinary Research' #1

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FEATURED TOOL

Stakeholder participation: IAP2 public participation spectrum

The International Association for Public Participation (IAP2) has assessed different ways the community can be involved in any program of community engagement. The spectrum, illustrated in the figure below, shows that "differing levels of participation are legitimate and depend on the goals, time frames, resources, and levels of concern in the decision to be made." In addition, the Spectrum sets out the "promise to the public" for each type of participation.



		INCREASING IMPACT ON THE DECISION 				
		INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL		To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
	PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.

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- **References:**

1. Information about the Spectrum: <https://www.iap2.org/?page=pillars>
2. Link to full size version of the Spectrum (figure above): https://c.ymcdn.com/sites/www.iap2.org/resource/resmgr/foundations_course/IAP2_P2_Spectrum_FINAL.pdf (PDF 151KB)
3. Results of a review of the Spectrum:
 - International Association for Public Participation. (2017). *IAP2 Spectrum Review: Summary of Engagement Process*. Online: <http://www.iap2canada.ca/resources/Documents/News/IAP2%20Spectrum%20Review.pdf> (PDF 433KB)
4. IAP2 Australasia: <https://www.iap2.org.au/Home>
5. IAP2 Canada: <https://iap2canada.ca/>

Additional tools can be found at: <http://i2s.anu.edu.au/resources/tools>

LATEST I2INSIGHTS BLOG POSTS

Since August, the [I2Insights blog](#) has published the following posts:

Recognising interdisciplinary expertise

by Gabriele Bammer

<https://i2insights.org/2017/12/05/recognising-interdisciplinary-expertise/>

One university's response to addressing complex real-world problems / Respuesta de una universidad para afrontar problemas complejos del mundo real

by Carlos Mataix, Javier Carrasco, Sara Romero and Marcel Bursztyn

<https://i2insights.org/2017/11/28/university-response-to-complexity/>

Are more stakeholders better?

by Eleanor Sterling

<https://i2insights.org/2017/11/21/are-more-stakeholders-better/>

Two lessons for early involvement of stakeholders in research

by Obasanjo Oyedele, Martin Atela and Ayo Ojebode

<https://i2insights.org/2017/11/14/early-stakeholder-involvement/>

Why we should not ignore interdisciplinarity's critics

by Rick Szostak

<https://i2insights.org/2017/11/07/interdisciplinarity-and-critics/>

Epistemological obstacles to interdisciplinary research

by Evelyn Brister

<https://i2insights.org/2017/10/31/epistemology-and-interdisciplinarity/>

Let's stop measuring and start improving

by Louise Locock

<https://i2insights.org/2017/10/24/measuring-versus-improving/>

Two audiences and five aims of action researchers

by Hilary Bradbury

<https://i2insights.org/2017/10/19/action-research-audiences-and-aims/>

Three tasks for transdisciplinary bridge builders

by Roderick Lawrence

<https://i2insights.org/2017/10/17/transdisciplinary-bridge-builders/>

Promotion and tenure policies for interdisciplinary and collaborative research

by Julie Thompson Klein and Holly Falk-Krzesinski

<https://i2insights.org/2017/10/10/interdisciplinarity-promotion-and-tenure-policies/>

A new boundary object to promote researcher engagement with policy makers / Un nuevo objeto frontera para promover la colaboración de los investigadores con los tomadores de decisiones

by María D. López Rodríguez

<https://i2insights.org/2017/10/03/boundary-object-for-policy-engagement/>

Undertaking bi-cultural research: Key reflections from a Pākehā (non-Māori) New Zealander

by Maria Hepi

<https://i2insights.org/2017/09/26/bi-cultural-research-reflections/>

Sharing mental models is critical for interdisciplinary collaboration

by Jen Badham and Gabriele Bammer

<https://i2insights.org/2017/09/19/mental-models-and-interdisciplinarity/>

Co-producing research: Why we need to say what we mean, mean what we say, and learn as we go

by Bev Holmes

<https://i2insights.org/2017/09/12/co-producing-research-tips/>

Three schools of transformation thinking

by Uwe Schneidewind and Karoline Augenstein

<https://i2insights.org/2017/09/05/transformation-thinking/>

Creating community around the Science of Team Science

by Stephen Fiore

<https://i2insights.org/2017/08/31/community-for-team-science/>

What can action research and transdisciplinarity learn from each other?

by Danilo Streck

<https://i2insights.org/2017/08/29/action-research-and-transdisciplinarity/>

Synthesis centers as critical research infrastructure

by Andrew Campbell

<https://i2insights.org/2017/08/22/synthesis-centers-as-infrastructure/>

Managing deep uncertainty: Exploratory modeling, adaptive plans and joint sense making

by Jan Kwakkel

<https://i2insights.org/2017/08/15/managing-deep-uncertainty/>

Four best practices for scaling up effective innovations

by Amanda Fixsen, Karen Blase and Dean Fixsen

<https://i2insights.org/2017/08/08/scaling-up-best-practices/>

Productive multivocal analysis - Part 2: Achieving epistemological engagement

by Kristine Lund

<https://i2insights.org/2017/08/03/multivocal-analysis-epistemological-engagement/>

Productive multivocal analysis - Part 1: Avoiding the pitfalls of interdisciplinarity

by Kristine Lund

<https://i2insights.org/2017/08/01/multivocal-analysis-avoiding-pitfalls/>

FEATURED JOURNAL AND JOURNAL NEWS

Research for All

Research for All is a new open-access, peer-reviewed journal for all those "who are committed to seeing research make a difference in society". The journal "focuses on research that involves universities and communities, services or industries working together".

The journal serves "readers and contributors from four key groups":

1. "academics who engage various publics with the processes or products of research, or investigate such engagement"
2. "various publics who have an interest in research from a personal, occupational or organisational perspective (e.g. charities, community organisations, professional bodies, public services)"
3. "intermediaries who work to bring these groups together"
4. "university management and funders developing their systems for public engagement with research".

"The journal aims to raise the quality of engaged research by stimulating discussion about the effectiveness of engagement with researchers, research outcomes and processes". It is a forum "for sharing the learning that accrues from public engagement with the processes and products of research, whether that research is initiated within academia or elsewhere. Science communication, service learning, research governance, co-design, co-production, participatory action research, knowledge mobilisation, and more, are all relevant."

Journal submissions focus on:

- "The relationship between theory and practice"
- "In-depth feature articles that analyse the thinking around an aspect of engaged research"
- "Commentaries offering views about thinking, practices and debates in engaged research"
- "Personal reflections drawing out key features of a book, paper or person and how they influenced the writer's thought and practice"
- "Reviews of publications, events and resources that are relevant to engaged research."

The journal is sponsored by the University College London (UCL) Institute of Education and the (British) National Co-ordinating Centre for Public Engagement.

- Websites:
 - <http://ingentaconnect.com/content/ioep/rfa/2017/00000001/00000001>
 - <https://www.publicengagement.ac.uk/work-with-us/research-all-journal>

GAIA column on 'Toolkits for Transdisciplinarity' and compilation

The journal GAIA has recently published:

Bammer, G. (2017). Toolkits for transdisciplinarity - Toolkit #8: Integration methods. *GAIA*, **26**, 2: 79. Online: <https://doi.org/10.14512/gaia.26.2.3>

This is the final in the toolkits series and a compilation of all eight toolkits is now available online at: https://www.oekom.de/fileadmin/zeitschriften/gaia_Grafiken/GAIA_Flyer_Toolkits.pdf

GAIA column on 'Frameworks for Transdisciplinarity'

There is now a new GAIA column on Frameworks for Transdisciplinary Research, for which Gabriele Bammer is the Commissioning Editor. The first framework was published recently: Pohl, Christian and Hirsch Hadorn, Gertrude. (2017). Frameworks for Transdisciplinary Research: Framework #1 - Principles for designing transdisciplinary research. *GAIA*, **26**, 3: 232. <https://doi.org/10.14512/gaia.26.3.3>

Additional journals can be found at: <http://i2s.anu.edu.au/resources/journals>

FEATURED PROFESSIONAL ASSOCIATION

International Society of Multiple Criteria Decision Making

The purposes of the *International Society of Multiple Criteria Decision Making* (MCDM) "are to develop, test, evaluate and apply methodologies for solving multiple criteria decision making problems, to foster interaction and research in the scientific field of multiple criteria decision making, and to cooperate with other organizations in the study of management from a quantitative perspective".

- "facilitating communications,
- providing academic assistance with ideas, methods and contacts whenever and wherever needed,
- sponsoring international conferences for the dissemination of results,
- encouraging special purpose workshops and student exchanges,
- publishing the electronic newsletter, and
- encouraging an environment of international collegueship and friendship across the globe".

MCDM is defined as "the study of methods and procedures by which concerns about multiple conflicting criteria can be formally incorporated into the management planning process."

The International Society of MCDM was founded in 1998.

- **Website:**
 - Main website: <http://www.mcdmsociety.org/>

Additional professional associations and networks can be found at: http://i2s.anu.edu.au/resources/associations_networks

ABOUT I2S NEWS

The aim of this newsletter is to provide regular (bi-monthly) updates about new resources added to the Integration and Implementation Sciences website (<http://i2s.anu.edu.au/resources>). These resources are useful 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.

In general, each issue features tools (concepts and methods), case studies and/or approaches relevant to i2S - either a useful compilation or one or more examples of note. We also provide information about journals, professional associations & networks and conferences where researchers can learn from others, report their findings and interact with like-minded peers. The newsletter also reports on discussions in the LinkedIn group "Global Network for Research Integration and Implementation": <https://www.linkedin.com/groups/4888295/> (when these occur) and new entries on the Integration and Implementation Insights blog: <http://I2Insights.org>.

I2S News is archived at: <http://i2s.anu.edu.au/what-i2s/i2s-publications/i2s-news>.

Useful links:

- I2S website: <http://i2s.anu.edu.au>
- I2S on YouTube: <https://www.youtube.com/user/i2sTalks>
- LinkedIn group "Global Network for Research Integration and Implementation": <https://www.linkedin.com/groups/4888295/>
- I2Insights blog: <http://I2Insights.org>

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