



i2S News

July - September 2022, #60

Welcome to the July-September 2022 i2S News with the latest developments in Integration and Implementation Sciences (i2S).

In highlighting what's new, i2S News provides information and updates about three major repositories that we curate, as well as any other i2S activities. The repositories are:

- the i2S website (<https://i2s.anu.edu.au>), which provides a range of information about Integration and Implementation Sciences, including a new FAQ (frequently asked questions) section (<https://i2s.anu.edu.au/what-i2s/faq/>)
- Integration and Implementation Insights (<http://i2Insights.org>), which is a community blog, as well as a repository, for sharing concepts, methods and other research tools for understanding and acting on complex real-world problems
- the i2S YouTube channel (<https://www.youtube.com/user/i2sTalks>), which provides a range of videos about various aspects of i2S.

Feedback and suggestions for i2S News are always welcome!
Gabriele Bammer and Peter Deane

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i2S WEBSITE**Changes in train to the i2S website**

As we reported in the last i2S News, we are in the process of removing tools from the resources repository on this website and redirecting the URLs to the same tools on the i2Insights website. You can follow progress on <https://i2s.anu.edu.au/resources/list-of-relocated-resources/>.

FAQ: How can differences in interests be dealt with? (extract)

Bringing together a diverse group of researchers and stakeholders to tackle a complex societal or environmental problem inevitably means that multiple interests come into play and need to be understood and managed.

A useful way of managing different, including conflicting, interests is principled negotiation, also known as negotiation on the merits or 'getting to yes.' The aim is to find a mutually agreeable fair solution through a problem solving approach. It can also be seen as a way to integrate different interests.

Principled negotiation has four steps:

1. separate the people from the problem
2. focus on interests, not positions
3. generate a variety of possibilities before deciding what to do
4. look for a fair solution, based on the merits.

The full FAQ is available at <https://i2s.anu.edu.au/what-i2s/faq/differences-in-interests>

FAQ: What are the main topics covered by i2S? (extract)

To date, there have been two ways of describing the main topics covered by Integration and Implementation Sciences (i2S). One is a list of 14 topics, the other consists of three domains and 5 questions. Even though they do not fit together neatly, these are two compatible framings. Both aim to provide a way of identifying and conveying the expertise required to undertake research on complex societal and environmental problems. This expertise needs to be recognised as high level, separate from, but equivalent to, other disciplinary expertise.

The 14 main topics (in alphabetical order) are: change, communication, context, decision making, diversity, education, evaluation, institutionalisation, integration, research implementation, stakeholder engagement, systems, teamwork, unknowns.

The three domains are:

1. Synthesising disciplinary and stakeholder knowledge
2. Understanding and managing diverse unknowns
3. Providing integrated research support for policy and practice change.

The five accompanying questions cover:

1. For what and for whom?
2. What knowledge is synthesized, unknowns considered, and aspects of policy and practice targeted?
3. How?
4. Context?
5. Outcomes?

The full FAQ is available at <https://i2s.anu.edu.au/what-i2s/faq/main-i2s-topics>

i2INSIGHTS

Highlights from the author and viewer statistics

We monitor the progress of i2Insights, publishing updated statistics every three months at <https://i2insights.org/about/blog-statistics/>. To end June there were 425 contributions by 544 authors from 47 countries. Since the blog started there have been viewers from 188 of the 193 countries that are members of the United Nations. The median lifetime views is 753, with the upper end of the range at just under 250,000 views.

Blog posts added since the last i2S News

Integration and implementation insights (i2Insights) has added the following blog posts to its repository since the last i2S News:

Stakeholder engagement: Learning from Arnstein's ladder and the IAP2 spectrum

By Gabriele Bammer

<https://i2insights.org/2022/08/30/learning-from-arnsteins-ladder-and-iap2-spectrum/>

Pause... How art and literature can transform transdisciplinary research

By Jane Palmer and Dena Fam

<https://i2insights.org/2022/08/23/art-and-literature-transform-transdisciplinarity/>

Advancing considerations of affect in interdisciplinary collaboration

By Mareike Smolka, Erik Fisher and Alexandra Hausstein

<https://i2insights.org/2022/08/16/affect-in-interdisciplinarity/>

Insights into interdisciplinarity and transdisciplinarity in India and Brazil

By Marcel Bursztyn and Seema Purushothaman

<https://i2insights.org/2022/08/09/crossdisciplinarity-in-india-and-brazil/>

Ten dialogue methods for integrating judgments

By David McDonald, Gabriele Bammer and Peter Deane

<https://i2insights.org/2022/08/02/dialogue-to-integrate-judgments/>

Three lessons for community engagement in international research

By Aysha Fleming

<https://i2insights.org/2022/07/26/community-engagement-in-international-research/>

Collaboration agreement template

By L. Michelle Bennett, Edgar Cardenas and Michael O'Rourke

<https://i2insights.org/2022/07/19/collaboration-agreement-template/>

A process for generating new cross-disciplinary projects

By Gemma Jiang

<https://i2insights.org/2022/07/12/generating-cross-disciplinary-projects/>

i2Insights as a repository

By Gabriele Bammer

<https://i2insights.org/2022/07/05/i2insights-as-a-repository/>**Ignorance: Vocabulary and taxonomy**

By Michael Smithson

<https://i2insights.org/2022/06/28/ignorance-taxonomy/>**Understanding diversity primer: 10. Advanced considerations**

By Gabriele Bammer

<https://i2insights.org/2022/06/23/diversity-advanced-considerations/>**i2S TALKS**

The following video has been added to the i2S YouTube channel since the last i2S News.

Pasifika 'Whole of Life' Education: Decolonial Communities-based Approach

By Upolu Luma Vaai

https://youtu.be/DAYYeyb_Mq

(Playlist: NITRO-Oceania).

OTHER UPDATES**One new video by Gabriele Bammer about aspects of i2S is also available**

This is a talk on "Creating a new field of study: Integration and Implementation Sciences" presented as part of the US National Science Foundation's Growing Convergence Research Lecture Series presented online on June 16, 2022. The video, along with videos of other talks in the series, is available at <https://beta.nsf.gov/oia/ia/growing-convergence-research-nsf>

Special article collection in the journal *Humanities and Social Sciences Communications*

The journal *Humanities and Social Sciences Communications* has an article collection on "Expertise in integration and implementation for transformative research" edited by Gabriele Bammer, BinBin Pearce, Marianne Penker and Michael O'Rourke.

"Expertise has multiple elements that are often difficult to codify and there are few publication outlets where the 'nitty-gritty' of expertise and its challenges can be discussed and progressed. This Collection provides a platform where research expertise in integration and implementation for transformation can be recognised, described, synthesised, evaluated and improved."

To date the journal has published nine articles; these are open access. The journal has a 2-year Impact Factor of 2.731 and a 5-year Impact factor of 2.

For more information and to contribute see: <https://www.nature.com/collections/ahbhdghcda>

ABOUT i2S NEWS

Aim

The aim of this newsletter is to provide regular updates (4 times per year) about what's new in Integration and Implementation Sciences (i2S), especially in three major repositories:

- the i2S website (<http://i2s.anu.edu.au>), which provides a range of information about Integration and Implementation Sciences, including a new FAQ (frequently asked questions) section (<https://i2s.anu.edu.au/what-i2s/faq/>)
- Integration and Implementation Insights (<http://i2Insights.org>), which functions as a community blog, as well as a repository, for sharing concepts, methods and other research tools for understanding and acting on complex real-world problems
- the i2S YouTube channel (<https://www.youtube.com/user/i2sTalks>), which provides a range of videos about various aspects of i2S.

Other updates about i2S are also provided.

Our target audience is researchers who tackle complex societal and environmental problems and who are interested in:

- Synthesizing knowledge from different disciplines and stakeholders,
- Understanding and managing diverse unknowns, and
- Supporting improved policy and practice responses to problems by government, business and civil society.

The three i2S repositories therefore provide new tools, as well as compiling and sharing existing tools, in 11 main areas:

- understanding the processes involved in *change*
- improving *communication*
- understanding *context*
- effective *decision making*
- incorporating, harnessing and managing *diversity*
- *integration* of multiple and varied perspectives about any problem and insights into acting on it
- *research implementation*
- *stakeholder engagement*
- taking a *systems* perspective
- *teamwork*
- understanding and managing *unknowns*.

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>
- i2Insights blog and repository: <http://i2Insights.org>
- i2S on YouTube: <https://www.youtube.com/user/i2sTalks>
- Twitter: [@GabrieleBammer](https://twitter.com/GabrieleBammer)
- LinkedIn group "Global Network for Research Integration and Implementation": <https://www.linkedin.com/groups/4888295/>

How to subscribe and unsubscribe

To subscribe or unsubscribe to the newsletter go to "i2S News" at <http://i2s.anu.edu.au> or contact Gabriele Bammer or Peter Deane at i2S@anu.edu.au