



i2S News

April - June 2024, #67

Welcome to the April - June 2024 i2S News with the latest developments in Integration and Implementation Sciences (i2S), featuring two of the three repositories we curate.

For the Integration and Implementation Insights (i2Insights) blog and repository, we highlight contributions from Latin America and the Caribbean. We also provide further analysis on i2Insights statistics, reviewing authorship by region. And we present recent i2Insights contributions.

From the i2S-Talks YouTube channel, we feature the playlist of more than 50 webinar recordings organised by Intereach, the Interdisciplinary Integration Research Careers Hub, which are hosted on i2S-Talks. We also feature two recent webinars organized by Intereach.

We are still rebuilding the main i2S website and there is no news to report this time.

This i2S News also features two conferences and one workshop that will be held online and it is great to see the imaginative technologies some are bringing to bear. You can also have your say about conferences in a survey being undertaken by Swiss PhD student, Ariane Wenger.

Feedback and suggestions for i2S News are always welcome!

Gabriele Bammer and Peter Deane

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i2INSIGHTS BLOG AND REPOSITORY

Highlighting contributions from Latin America and the Caribbean

In actively encouraging contributions from all countries for i2Insights blog and repository, we have been pleased to receive a reasonably steady stream of posts where all or some of the authors reside in Latin America and the Caribbean. There were 5 such contributions in 2016, 4 in each of 2017 and 2020, 3 in 2021 and 2023, 2 in 2022 and 1 in 2018. Only 2019 saw no contributions from authors in this region.

There have been 10 lead authors from Argentina, Brazil, Colombia, Costa Rica, Peru and Uruguay, along with 18 co-authors from Argentina, Bolivia, Brazil, Chile, Colombia, Mexico and Trinidad and Tobago. In these statistics, contributors are only counted once, even though some have contributed multiple times, as can be seen from the list of blog posts below. It has also been great to have Spanish and/or Portuguese versions of many blog posts, along with English.

Contributions have covered a range of topics, particularly:

Change

- [Systemic interventions for complex problems: The Intervention Design Process / Para problemas complejos, intervenciones sistémicas: el Proceso de Diseño de Intervención](#) by Daniel Marín Vanegas
- [Theory U: A promising journey to embracing unknown unknowns](#) by Vanesa Weyrauch
- [Three theories to help overcome change resistance in service design implementation](#) by Ricardo Martins
- [Creating a pragmatic complexity culture / La creación de una cultura pragmática de la complejidad](#) by Cristina Zurbriggen
- [The interplay between knowledge and power / La interacción entre el conocimiento y el poder](#) by Cristina Zurbriggen

Communication

- [Effectively including online participants in onsite meetings](#) by Participants in the SESYNC theme "Building Resources for Complex, Action-Oriented Team Science"

Decolonisation

- [Navigating intercultural relations in transdisciplinary practice: The partial overlaps framework](#) by David Ludwig, Vitor Renck and Charbel El-Hani
- [Listening-based dialogue: Circle of dialogue wisdom / Diálogo basado en la escucha: Círculos de diálogo entre saberes](#) by Adriana Moreno Cely, Darío Cuajera Nahui, César Gabriel Escobar Vásquez, Tom Vanwing and Nelson Tapia Ponce

Education

- [Theory and process for interdisciplinary undergraduate course development](#) by Ana Corbacho

Integration

- [Integrating disciplines / Integrando disciplinas](#) by Marcel Bursztyrn, Gabriela Litre and Stéphanie Nasuti

- [La modélisation participative, un lieu privilégié pour l'interdisciplinarité? / Participatory modeling: an ideal place for interdisciplinarity?](#) by Pierre Bommel
- [What is the role of theory in transdisciplinary research?](#) by Workshop Group on Theory at 2015 Basel International Transdisciplinary Conference

Institutionalisation

- [A practical framework for transforming academia through inter- and transdisciplinarity / Un marco práctico para transformar el mundo académico mediante la interdisciplinariedad y la transdisciplinariedad](#) by Bianca Vienni Baptista and Danilo Streck
- [Insights into interdisciplinarity and transdisciplinarity in India and Brazil](#) by Marcel Bursztyn and Seema Purushothaman
- [Institutionalising interdisciplinarity: Lessons from Latin America / Institucionalizar la interdisciplina: Lecciones desde América Latina](#) by Bianca Vienni Baptista, Federico Vasen and Juan Carlos Villa Soto
- [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

Leadership

- [Effectively leading interdisciplinary and transdisciplinary research organisations](#) by Global Leaders of Interdisciplinary and Transdisciplinary Research Organisations

Research implementation

- [Institutionalizing evidence-informed policy-making in Latin America and the Caribbean / Institucionalizando la toma de decisiones informadas por evidencias en Latinoamérica y el Caribe/ Institucionalizando a formulação de políticas informadas em evidências na América Latina e Caribe](#) by Directors and Coordinators of the Latin American and the Caribbean Evidence Hub
- [Analysing key policy actors with the alignment, interest and influence matrix \(AIIM\)](#) by Enrique Mendizabal
- [Going beyond 'context matters': a lens to bridge knowledge and policy](#) by Leandro Echt and Vanesa Weyrauch

Stakeholder engagement

- [What can action research and transdisciplinarity learn from each other?](#) by Danilo Streck

Systems

- [Fifteen characteristics of complex social systems](#) by Hamilton Carvalho

Highlights from i2Insights statistics

In reviewing how well i2Insights is progressing, we regularly examine the country of residence of authors and include this in the [statistics we publish](#). For this i2S News we also looked at these statistics according to 7 regions, as shown in the table below. The figures are to end March 2024.

Region	Lead author	Co-author
Europe and UK	126	125
North America	98	78
Oceania	73	72
Latin America and the Caribbean	10	18
Middle East and North Africa	9	2
Asia	8	8
Sub-Saharan Africa	7	28

Grouping authors by region shows that:

- Europe and the UK has the largest number of authors, with 20 countries represented (UK, Switzerland, Germany, Netherlands, Sweden, Austria, Norway, Portugal, Finland, Spain, France, Belgium, Italy, Denmark, Czech Republic, Ireland, Luxembourg, Russia, Türkiye, Poland).
- North America, comprising the USA and Canada, has the second largest number of authors.
- Oceania is third, although only two countries (Australia and New Zealand) are represented.
- Latin America and the Caribbean come next and are represented by 10 countries (Brazil, Uruguay, Colombia, Argentina, Costa Rica, Peru, Bolivia, Mexico, Trinidad and Tobago, and Chile). The information from these countries is described in more detail earlier in i2S News.
- The Middle East and North Africa are represented by 4 countries (Iran, Egypt, Israel, and Oman).
- Asian authors come from 7 countries (Japan, China, India, Indonesia, Sri Lanka, Laos and Myanmar).
- Sub-Saharan Africa authors come from nine countries (South Africa, Nigeria, Ethiopia, Benin, Rwanda, Democratic Republic of Congo, Ghana, Kenya, Senegal).

In these descriptions countries are listed in descending order of number of contributors.

Each contributor is counted only once, even if they authored and/or co-authored more than one blog post. If a contributor is a first author and a co-author on different blog posts, they are counted only as a first author. If an author is affiliated with more than one country over time, the country of residence at the time of first publishing in i2Insights is counted. If an author is affiliated with more than one country at the time of first publishing, the country in which they are primarily resident is counted.

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:

Weaving knowledge systems: Honouring Indigenous knowledge

By Chels Marshall, Rosalie Chapple and Joanne Wilson

<https://i2insights.org/2024/05/14/honouring-indigenous-knowledge/>

Navigating the complexities of decolonizing knowledge production

By Alemu Tesfaye

<https://i2insights.org/2024/05/07/decolonizing-knowledge-production/>

Decision support interventions

By Étienne Rouwette and Alberto Franco

<https://i2insights.org/2024/04/30/decision-support-interventions/>

Eight tips for collaborations between researchers and visual artists

By Erin Walsh and Alice Wetherell

<https://i2insights.org/2024/04/23/researchers-and-artists-collaboration/>

Integration and Implementation Sciences (i2S) 3.0: An updated framework to foster expertise for tackling complex problems

By Gabriele Bammer

<https://i2insights.org/2024/04/16/i2s-updated-framework/>

Improving how we do research with indigenous and local communities

By Roxana Roos

<https://i2insights.org/2024/04/09/research-with-indigenous-and-local-communities/>

Change planning: Dreamer, realist, critic

Editor's addition

<https://i2insights.org/2024/04/02/change-planning/>

Five questions for considering political context

Editor's addition

<https://i2insights.org/2024/03/26/political-context/>

Not just in our heads: Embodied and creative practices for creating connection

By Corinne Lamain and Jillian Student

<https://i2insights.org/2024/03/19/creative-practices-for-connection/>

i2S-TALKS

Featuring the Intereach playlist

i2S-Talks hosts playlists for sister organisations that do not have their own YouTube channels. One such organisation is Intereach, the Interdisciplinary Integration Research Careers Hub, which has held more than 50 recorded webinars since 2017. These are available in a playlist at <https://www.youtube.com/playlist?list=PLxRQR5u7p9sfwMCoLZwXj50xzor2ifCoG>, as well as on the Intereach website (<https://www.intereach.org/webinararchives>).

Every webinar has been interesting and useful, with a few highlights including:

- Convergence Postdocs: Being the Arrows in a Large Science and Technology Center by Kimberly Bourne, Alison Deviney and Ashton Merck: <https://youtu.be/9Z66wX4TsM8> (53min YouTube video).
- Spanning Boundaries, Creating Sparks and Reimagining the Future of Research Universities by Pips Veazey: https://youtu.be/_If8vIrfBnA (58min YouTube video).
- The art and science behind facilitation by Hannah Love and Courtney Ngai: <https://youtu.be/81yAEIHLUnA> (56min YouTube video), which is part of a very insightful series on facilitation.
- Two team cohesion tools: 'Four levels of listening' by Anne Heberger Marino and 'The pressure cooker' by Merel van Goch and Iris van der Tuin: <https://youtu.be/omg6SkAnXwg> (54min YouTube video), which are part of an enlightening series on boundary spanning tools organised by Bethany Laursen.
- Tips for improving virtual meetings by Amy Climer: <https://youtu.be/mganookK74EY> (59min YouTube video).
- What can team science in research learn from the tech sector? By Kennan Kellaris Salinero: <https://youtu.be/I3HD6Oy-5MI> (54min YouTube video).

- Lessons from interdisciplinary start-ups by Michael O'Rourke: <https://youtu.be/thtY2ucrT-A> (1hr 1min YouTube video).

Intereach's purpose is "to articulate and promote the need for a dedicated career path around interdisciplinary research expertise, and to improve practitioners' tools, best practices, success metrics, and career trajectories." It is a Special Interest Group of the International Network for the Science of Team Science.

Videos added since the last i2S News

The following videos have been added to the i2S YouTube channel since the last i2S News:

Arrows in academia: Part 2 - Researching teams and being a science team member

By Holly M. Hapke, Jeni Cross and Stephen M Fiore

<https://youtu.be/yIalhklMJmo> (58min YouTube video)

(Playlist: Intereach Webinar Series)

The explicit teaching of collaborative competencies

By Vicky Klima, Katie Plaisance and Pips Veazey

<https://youtu.be/sLSfvHQh6Is> (56min YouTube video)

(Playlist: Intereach Webinar Series)

OTHER UPDATES

Highlighting three online workshops and conferences

May 20-21, 2024: the online 2024 International Cornell University Systems Thinking Conference showcases the successful application of systems thinking to a variety of real-world contexts and situations, under the theme "*UpThinking—the ability to level up your thinking skills to tackle any issue, problem or concern. This applies equally locally and globally to both personal and professional situations.*" There is no charge for attendance and links to videos from the conference are made available to registrants. For the program and registration, see:

<https://blogs.cornell.edu/systemsthinking/2024-conference/>

June 6, 7 and 11, 2024: this virtual workshop on The Future of Scientific Conferencing will bring together diverse perspectives from multiple disciplines to explore advantages, barriers, gaps, and opportunities in the future of scientific conferencing for the behavioral and social sciences. The workshop will incorporate innovative evidence-informed approaches to showcase the potential of a virtual platform for learning, networking, and participant engagement. There does not seem to be a charge for this workshop. For the program and registration see:

<https://obssr.od.nih.gov/news-and-events/events/future-scientific-conferencing>

July 30 to August 1, 2024: the Science of Team Science annual conference "Insights on the Science of Team Science: 15 Years and Counting." This is the flagship event of the International Network for the Science of Team Science (INSciTS) and will take place in a virtual venue known as Gather Town. For more details, costs and registration, see: <https://www.inscits.org/>

Survey on researchers' expectations of conferences

Ariane Wenger, a doctoral student from the Transdisciplinarity Lab (TdLab), ETH Zurich, is conducting a survey on researchers' expectations of conferences as part of her dissertation on changing research exchange practices. She requests: *Please consider participating in and distributing the short (10-15 minutes) survey which is aimed at researchers of all scientific disciplines and career stages who are planning to attend scientific conferences. In particular, opinions and views of researchers from all around the world are appreciated. Participation in the survey will not only enrich this study, but will also help to identify avenues for enhancing current conference practices, benefiting the wider academic community. If you would like to complete the survey, please access it here: <https://ww3.unipark.de/uc/cexp1/>. Thank you very much for your participation.*

ABOUT i2S NEWS

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
- 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/i2S-Talks>), which provides a range of videos about various aspects of i2S.

Other updates about i2S are also provided and, from time to time, we also post news that is not directly related to i2S, but that is in line with i2S objectives.

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-Talks on YouTube: <https://www.youtube.com/i2S-Talks>
- X (Twitter): [@GabrieleBammer](https://twitter.com/GabrieleBammer)
- LinkedIn group "Global Network for Research Integration and Implementation": <https://www.linkedin.com/groups/4888295/>

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To unsubscribe from the i2S newsletter, please contact Peter Deane at i2S@anu.edu.au.

To contact Gabriele Bammer and Peter Deane, either visit <https://i2insights.org/contact/> or contact us via email at i2S@anu.edu.au.