



i2S News

July – September 2025, #71

Welcome to the, rather late, July-September 2025 i2S News with the latest developments in Integration and Implementation Sciences (i2S).

This i2Insights News focuses on:

- Tools for tackling complex problems, which cover concepts, methods, processes, frameworks, and theories (from i2Insights, the community blog and repository, and i2S-Talks, the YouTube channel)
- A sneak preview of activities for the 10th birthday of Integration and Implementation Insights (i2Insights) blog and repository on 25th November 2025
- A new video on how universities are introducing transdisciplinarity.

Eighteen tools for tackling complex problems were added in the following main topics: change, communication, context, diversity, integration, research implementation, stakeholder engagement, systems, teamwork and unknowns.

Integration and Implementation Insights (i2Insights) blog and repository will be ten years old on November 25th, 2025. A particularly exciting birthday activity is a collaboration with INTEREACH (Interdisciplinary Integration Research Careers Hub) on a webinar series, which starts on October 14. There will be more on the birthday celebrations in the next i2S News.

There is also one new video on challenges and tips from experience in introducing transdisciplinarity at two universities under 'other updates and resources'.

Feedback and suggestions for i2S News are always welcome!

Gabriele Bammer and Peter Deane

CONTENTS

Tools for tackling complex problems

- Newly added tools on change, communication, context, diversity, integration, research implementation, stakeholder engagement, systems, teamwork and unknowns.

i2Insights 10th Birthday

- INTEREACH webinar series.

Other updates and resources

- One recent video from an ITD Alliance webinar featuring insights into how universities are introducing transdisciplinarity.

About i2S News

- Aims
- How to subscribe and unsubscribe

TOOLS FOR TACKLING COMPLEX PROBLEMS

Newly-added tools

The following tools were added to i2Insights blog and repository or i2S-Talks since the last i2S News. They are grouped under the main topics of the i2S theoretical framework (<https://i2insights.org/i2s/aims-and-overview-of-i2s/>), with the topics listed in alphabetical order. Where the tool is relevant to more than one topic, it is listed under each of them.

Change

Principles for place-based community participation

by James A. Turner

<https://i2insights.org/2025/07/01/place-based-community-participation/>

Combining subjectivity and objectivity in systems thinking: The SOS sandwich

by James Stauch and Daniela Papi-Thornton

<https://i2insights.org/2025/07/15/sos-sandwich-for-subjectivity-and-objectivity/>

Lessons for transformative research from co-creating a conference without a fixed plan

by Thomas Bruhn

<https://i2insights.org/2025/09/23/co-creating-without-a-fixed-plan/>

Communication

Transdisciplinary research with and for artificial intelligence

by Florian Keil, Melina Stein and Flurina Schneider

<https://i2insights.org/2025/08/19/transdisciplinarity-and-artificial-intelligence/>

Six tips for using research to influence policy

by David R. Garcia

<https://i2insights.org/2025/09/09/research-and-policy-influence/>

Context

Principles for place-based community participation

by James A. Turner

<https://i2insights.org/2025/07/01/place-based-community-participation/>

Considering context in transdisciplinary research: A framework and reflective questions

by Nina Maria Frölich and Annika Weiser

<https://i2insights.org/2025/08/26/context-framework-and-questions/>

Diversity

A tool for developing shared awareness of team member research interests and expertise

by Melanie Bauer, Joshua Roney and Stephen M. Fiore

<https://i2insights.org/2025/07/22/shared-awareness-teamwork-tool/>

Building co-production capabilities in researchers: Strengthening reflexivity via learning opportunities

by Emma Ligtermoet, Claudia Munera-Roldan, Cathy Robinson, Zaynel Sushil and Peat Leith

<https://i2insights.org/2025/08/05/reflexive-learning-for-co-production/>

Data variety and why it matters

by Richard Berry

<https://i2insights.org/2025/09/02/data-variety-matters/>

Six elements of effective co-design

by Will Allen

<https://i2insights.org/2025/09/30/effective-co-design/>

Integration

A framework for creating effective team integration in interdisciplinary research

by Colleen Cuddy

<https://i2insights.org/2025/06/24/team-integration-framework/>

Three social mechanisms leading to fake interdisciplinary collaborations / 形成伪跨学科合作的三种社会形成机制

by Lianghao Dai

<https://i2insights.org/2025/08/12/fake-interdisciplinary-collaborations/>

Transdisciplinary research with and for artificial intelligence

by Florian Keil, Melina Stein and Flurina Schneider

<https://i2insights.org/2025/08/19/transdisciplinarity-and-artificial-intelligence/>

Knowledge Integration in Convergence Research

by Shalini Misra, Megan Rippey and Stanley Grant

<https://youtu.be/fUcdQDhXIDI?si=dPMQg6wGGaNh> (59 min YouTube video)

Research implementation

Six tips for using research to influence policy

by David R. Garcia

<https://i2insights.org/2025/09/09/research-and-policy-influence/>

Stakeholder engagement

Preparing interdisciplinary research teams for transdisciplinary co-production: A framework and diagnostic questions

by Emma Ligtermoet, Claudia Munera-Roldan, Cathy Robinson, Zaynel Sushil and Peat Leith

<https://i2insights.org/2025/06/17/preparing-for-co-production/>

Principles for place-based community participation

by James A. Turner

<https://i2insights.org/2025/07/01/place-based-community-participation/>

Key leadership practices in transdisciplinary projects

by Susanne C. Moser

<https://i2insights.org/2025/07/08/leadership-in-transdisciplinarity/>

Seven quality choice points for contemporary action research

by Hilary Bradbury

<https://i2insights.org/2025/07/29/action-research-choice-points/>

Building co-production capabilities in researchers: Strengthening reflexivity via learning opportunities

by Emma Ligtermoet, Claudia Munera-Roldan, Cathy Robinson, Zaynel Sushil and Peat Leith

<https://i2insights.org/2025/08/05/reflexive-learning-for-co-production/>

Transdisciplinary research with and for artificial intelligence

by Florian Keil, Melina Stein and Flurina Schneider

<https://i2insights.org/2025/08/19/transdisciplinarity-and-artificial-intelligence/>

Six elements of effective co-design

by Will Allen

<https://i2insights.org/2025/09/30/effective-co-design/>

Systems

Combining subjectivity and objectivity in systems thinking: The SOS sandwich

by James Stauch and Daniela Papi-Thornton

<https://i2insights.org/2025/07/15/sos-sandwich-for-subjectivity-and-objectivity/>

Data variety and why it matters

by Richard Berry

<https://i2insights.org/2025/09/02/data-variety-matters/>

Five core concepts for understanding systems

by Andrei Savu

<https://i2insights.org/2025/09/16/five-core-systems-concepts/>

Four core concepts for expanding a systems view to system dynamics

by Andrei Savu

<https://i2insights.org/2025/09/16/four-core-system-dynamics-concepts/>

Teamwork

A framework for creating effective team integration in interdisciplinary research

by Colleen Cuddy

<https://i2insights.org/2025/06/24/team-integration-framework/>

Key leadership practices in transdisciplinary projects

by Susanne C. Moser

<https://i2insights.org/2025/07/08/leadership-in-transdisciplinarity/>

A tool for developing shared awareness of team member research interests and expertise

by Melanie Bauer, Joshua Roney and Stephen M. Fiore

<https://i2insights.org/2025/07/22/shared-awareness-teamwork-tool/>

Three social mechanisms leading to fake interdisciplinary collaborations / 形成伪跨学科合作的三种社会形成机制

by Lianghao Dai

<https://i2insights.org/2025/08/12/fake-interdisciplinary-collaborations/>

Six elements of effective co-design

by Will Allen

<https://i2insights.org/2025/09/30/effective-co-design/>

Unknowns

Lessons for transformative research from co-creating a conference without a fixed plan

by Thomas Bruhn

<https://i2insights.org/2025/09/23/co-creating-without-a-fixed-plan/>

i2INSIGHTS 10th BIRTHDAY

INTEREACH webinars

To mark the 10th anniversary of *i2Insights*, INTEREACH (Interdisciplinary Integration Research Careers Hub; see <https://www.intereach.org/>) is dedicating its 2025-2026 webinar series to celebrating the blog's content and collectively taking stock of all it has contributed toward the formalization of integrative skillsets and transdisciplinary approaches to addressing complex challenges.

Each webinar will spotlight a theme from *i2Insights*, featuring two contributors who will give short presentations before engaging in a dialogue with one another. The conversation will then open to all attendees, creating space for rich discussion on the impacts, evolution, and future of the ideas explored in *i2Insights* blog posts. Topics include leadership, integration frameworks, decolonisation and epistemic justice, participatory methods, and professionalisation of inter- and transdisciplinary careers.

The season starts on **Tuesday, October 14th at 12 pm EDT** (US Eastern Daylight Time) with Gabriele Bammer sharing the story of *i2Insights* (pre-recorded), followed by the INTEREACH Team modeling the series format through brief reflections and a discussion. They will highlight their favorite blog posts, reflect on how the blog has influenced their work and career paths, and share thoughts on what they would like to see the blog cover going forward. The session will then open to the INTEREACH community, inviting you to share your own favorite posts, stories, and ideas for how *i2Insights* can continue to grow and support this community.

To join the INTEREACH community see: <https://www.intereach.org/join-us>

Webinars will be recorded and will be available on the INTEREACH playlist on the i2S YouTube channel at:

<https://www.youtube.com/watch?v=fUcdQDhXIDI&list=PLxRQR5u7p9sfwMCoLZwXj50xzor2ifCoG>

OTHER UPDATES AND RESOURCES

Recent video from ITD Alliance Oceania Regional Network webinar

The webinar on “Grappling with Transdisciplinarity: Tips and Challenges” features Allan O’Connor (Adelaide University in Australia) and Allanah Ryan (Te Kunenga ki Pūrehuroa Massey University of New Zealand). They review challenges for those on the ground who are tasked with introducing transdisciplinary approaches when the leadership of universities and related organisations embraces transdisciplinarity in research and teaching as a way of tackling complex societal and environmental problems. The session concluded with a Talanoa (open discussion), which gave the audience a chance to speak about their diverse interests and perspectives. This webinar was organised by the Oceania Regional Network of the Global Alliance for Inter- and Transdisciplinarity (ITD- Alliance) on 31 July 2025. The video is available at <https://youtu.be/H1t3dGKvrmE> (1hr 30min YouTube video).

ABOUT i2S NEWS

Every three months this newsletter reports on:

- advances in building, testing, improving and documenting the i2S theoretical framework
- tools (concepts, methods, processes, frameworks, and theories) for tackling complex societal and environmental problems
- progress in strengthening the community of researchers and educators tackling complex societal and environmental problems, especially
 - bringing together all the various approaches to tackling complex problems, including inter- and transdisciplinarity, systems thinking, action research, post-normal science, implementation science, and the science or team science.
 - developing i2S as a global endeavour, where each country’s ways of tackling complex problems are recognised and shared, leading to a richer tapestry of concepts, methods and other tools.
- other updates and resources relevant to i2S.

The key information sources are updates made to:

- i2Insights (the community blog and repository)
- i2S-Talks (the YouTube channel)

- the i2S webpages (which provide specific information about Integration and Implementation Sciences).

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

- Developing a more comprehensive understanding of the complex problem and potential actions
- Supporting policy and practice improvement by government, business and civil society
- Interacting effectively.

The focus of i2S is therefore to provide new tools, as well as compiling and sharing existing tools, in 11 main areas as described below.

For developing a more comprehensive understanding of the complex problem and potential actions:

- taking a *systems* perspective
- understanding *context*
- understanding and managing *unknowns*
- incorporating, harnessing and managing *diversity*
- *integration* of multiple and varied perspectives about any problem and insights into acting on it.

For supporting policy and practice improvement by government, business and civil society:

- effective *decision making*
- *research implementation*
- understanding the processes involved in *change*.

For interacting effectively:

- improving *communication*
- *teamwork*
- *stakeholder engagement*.

i2S News is archived at: <https://i2insights.org/i2s/i2s-news/>

Useful links:

- i2S webpages: <https://i2insights.org/i2s/>
- i2Insights blog and repository: <http://i2Insights.org>
- i2S-Talks on YouTube: <https://www.youtube.com/i2S-Talks>
- LinkedIn group "Global Network for Research Integration and Implementation": <https://www.linkedin.com/groups/4888295/>

To subscribe to the i2S newsletter, go to <http://i2s.anu.edu.au> and look for the i2S News sign-up box on the home page, or contact Peter Deane at i2S@anu.edu.au

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