To build the discipline of Integration and Implementation Sciences (I2S), we are compiling repositories of relevant resources created by researchers and practitioners in many related fields. Our aim is to make the wealth of existing resources known and accessible to researchers investigating complex real-world problems.

**Which resources?**

First, we are compiling:

- **tools** [1], which are concepts and methods for undertaking research on complex real-world problems,
- **cases** [2], which usually describe applications of such tools,
- **approaches** [3], which are a set of research integration and implementation practices guided by particular principles. Examples include transdisciplinarity, systems thinking and action research.

Second, for a discipline to function effectively it needs a ‘college of peers’ who interact through journals, professional associations and networks, and conferences. We are therefore also gathering information about existing:

- **journals** [4] that publish at least some papers relevant to I2S (and that will help I2S researchers identify suitable publication outlets)
- **professional associations and networks** [5] that have interests wholly or partially overlapping with I2S
- **conferences** [6] covering areas that intersect with I2S.

Third, at the 2013 First Global Conference on Research Integration and Implementation and the 2014 Second Biennial Australian Implementation Conference we encouraged participants to submit:

- **digital posters** [7], many of which showcase tools and cases, and these are in the process of being added to the relevant repositories. Over coming years, we are keen to work with other conferences covering areas intersecting with I2S to capture additional tools and cases through digital posters.

**Timeline and updates**

Compiling these repositories is a long-term project and we aim to add one new tool or case, journal, and professional association or network at least every two months. Our bi-monthly I2S News [8] provides details of new resources added to the website, as well as an extensive list of relevant up-coming conferences [6]. You can subscribe under I2S News in the column on the left.

**Categorising the resources**

The book Disciplining Interdisciplinarity [9] provides the organising framework for presenting the resources. They are categorised by the relevant domain/s:
Resources
Published on Integration and Implementation Sciences (I2S) (http://i2s.anu.edu.au)

- Synthesising disciplinary and stakeholder knowledge (Knowledge synthesis)
- Understanding and managing diverse unknowns (Unknowns)
- Providing integrated research support for policy and practice change (Policy and practice support).

They are also categorised by relevant subject/s, which correspond to the elements of the I2S five-question framework (PDF 570KB) [10]. Currently only a small selection of elements are used (the list will be expanded in future):

- collaboration
- scoping
- boundary setting
- dialogue
- modelling
- systems
- communication
- advocacy
- engagement
- assessing evidence.

The format/s in which each resource is available are also provided.

What about products of I2S research?

We are gradually adding resources we have produced in developing I2S to the repository. At this stage full details of these resources can be found under I2S projects [11] and I2S publications [12]. Of particular note are:
Disciplining Interdisciplinarity [9], which describes I2S
Research Integration Using Dialogue Methods [13], which presents 14 dialogue methods for knowledge synthesis
Bridging the Know-Do Gap [14], which presents cases studies of, and lessons learnt about, knowledge brokering
Uncertainty and Risk: Multidisciplinary Perspectives [15], which presents a range of insights into unknown

Contributions welcome

You can highlight your own work relevant to I2S, as well as follow and discuss I2S developments by joining the LinkedIn group Global Network for Research Integration and Implementation [16]. We also welcome information about additional resources - please send them using our contact us [17] details.

Source URL: http://i2s.anu.edu.au/resources

Links: