METHODS OF KNOWLEDGE INTEGRATION IN INTER- AND TRANS-DISCIPLINARY RESEARCH

Professor Gabriele Bammer

Dates: March 6, 2012
       June 4-15, 2012

Evaluation:
Evaluation will be based on participation in the interactive sessions demonstrating application of the concepts and methods to the individual research projects, as well as appropriate critique of fellow students’ projects.

SCHEDULE AND PREPARATION:

March 6 Skype video call (10 am – 12 noon Vienna time; 8 – 10 pm Canberra time)
Introduction to a framework for thinking about knowledge integration methods.
Students to present individually on how the framework relates to their projects.
General discussion.

Required preparation:
2) Review of resources at http://i2s.anu.edu.au/resources

Assignment
Students to have sent me 1-2 page project outlines no later than Friday February 24th.

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Monday June 4, 2012, 9.00 – 12.00
Lecture: Recap and extension of the framework for thinking about knowledge integration methods
Interactive session: Link methods and projects to theoretical foundations introduced by Christian Pohl

Optional preparation:
1) Chapters 1, 2 and 33 of Bammer, G. (2012) Disciplining Interdisciplinarity: Integration and Implementation Sciences for Researching Complex Real-World Problems

Tuesday June 5, 2012, 10.00-17.00 (lunch 12.00-13.30)
Lecture: Making research results useful for policy and practice change
Interactive session: Making research results useful for policy and practice change applied to the projects
**Required preparation:**

**Optional preparation:**

**Wednesday June 6, 2012, 10.00-17.00 (lunch 12.00-13.30)**
*Lecture:* The importance of unknowns  
*Interactive session:* How unknowns are dealt with in the projects

**Required preparation:**

**Optional preparation:**
Read one or more entries about unknowns from Michael Smithson’s blog [http://www.bestthinking.com/thinkers/science/social_sciences/psychology/michael-smithson?tab=blog](http://www.bestthinking.com/thinkers/science/social_sciences/psychology/michael-smithson?tab=blog)  
2) [http://www.ted.com/talks/kathryn_schulz_on_being_wrong.html](http://www.ted.com/talks/kathryn_schulz_on_being_wrong.html)

**Tuesday June 12, 2012 10.00-17.00 (lunch 12.00-13.30)**
*Lecture:* Systems thinking and modelling  
*Interactive session:* Use of systems thinking and modelling in the projects

**Required preparation:**

**Optional preparation:**

**Thursday June 14, 2012 10.00-17.00 (lunch 12.00-13.30)**
*Lecture:* Scoping, boundary setting, framing, values and making the most of difference  
*Interactive session:* Scoping, boundary setting, framing, values and making the most of difference in the projects
Required preparation:
2) George Lakoff’s website for blogs or other material on framing eg http://georgelakoff.com/2011/12/11/how-to-frame-yourself-a-framing-memo-for-occupy-wall-street/ or http://www.huffingtonpost.com/george-lakoff/a-good-week-for-science_b_470500.html

**Friday June 15, 2012 10.00-17.00 (lunch 12.00-13.30)**
*Lecture*: Dialogue, common metric based methods and other integration and implementation methods
*Interactive session*: Integration and implementation methods in the projects
*Wrap-up*

Required preparation:

**OR**