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# Reading List:

## *Integrative Propositional Analysis, Causal Knowledge Mapping, & Assessing Research Quality*

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Integrative Propositional Analysis (IPA) is a method for integrating and improving theories, models, policies, programs, and laws based on the structure of the understanding (explanation, logic) behind them. It is part of a broader set of techniques for causal knowledge mapping, visualizing understandings of cause-and-effect that are important to understanding and addressing an issue. The reading materials below detail the academic research behind IPA, examples of how it is applied, software/tools for creating maps, tools for assessing the quality of evidence across methods and disciplines, and more.

\* Publications marked with “\*” are freely available at the links below. The other publications may require a fee to access. If you are affiliated with a university, you may be able to access these at no charge through your institution’s library.

### **Book on Knowledge Mapping**

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Wright, B. & Wallis, S. (2019). *Practical Mapping for Applied Research and Program Evaluation*. SAGE Publications. <https://us.sagepub.com/en-us/nam/practical-mapping-for-applied-research-and-program-evaluation/book261152>

### **Academic Research Behind Integrative Propositional Analysis**

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Wallis, S. E. (2016). The science of conceptual systems: A progress report. *Foundations of Science*, 21(4), 579–602.

<http://link.springer.com/article/10.1007/s10699-015-9425-z>

Wallis, S. (2015). Structures of logic in policy and theory: Identifying sub-systemic bricks for investigating, building, and understanding conceptual systems. *Foundations of Science*, 20 (3), 213-231.

<http://link.springer.com/article/10.1007/s10699-014-9360-4>

Wallis, S. (2014). Abstraction and insight: Building better conceptual systems to support more effective social change. *Foundations of Science*. 19 (4), 353-362.

<http://link.springer.com/article/10.1007/s10699-014-9344-4>

Wallis, S. (2014). Evaluating explanations through their conceptual structures. Chapter in *Modes of Explanation: Affordances for Action and Prediction*. (M. Lissack & A. Graber, Eds.). Palgrave MacMillan.

[http://link.springer.com/chapter/10.1057%2F9781137403865\\_15](http://link.springer.com/chapter/10.1057%2F9781137403865_15)

## **White Papers on Integrative Propositional Analysis and Knowledge Mapping**

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\* Wallis, S.E. & Wright, B. (September, 2014). *Strategic Planning 3.0*. Meaningful Evidence, LLC.

<http://meaningfulevidence.com/wp-content/uploads/2014/12/Strategic-Planning-3.0-October-27.pdf>

\* Wallis, S.E. & Wright, B. (September, 2014). *The Science of Conceptual Systems: Its History and Usefulness for Improved Decision-Making and Organizational Success*. Meaningful Evidence, LLC.

[http://meaningfulevidence.com/wp-content/uploads/science\\_of\\_conceptual\\_systems1.pdf](http://meaningfulevidence.com/wp-content/uploads/science_of_conceptual_systems1.pdf)

\* Wallis, S.E. & Wright, B. *Strategic Knowledge Mapping for Improved Policy and Strategic Planning*. White paper. Explains why previous approaches to strategic planning have failed and how to create a more effective map using innovative approaches.

<http://meaningfulevidence.com/wp-content/uploads/Strategic-Knowledge-Mapping-Oct-271.pdf>

## **Instructions on How to Apply IPA**

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\* Wallis, S.E. (2015) *Basics of IPA*. Leibniz Institute of Agricultural Development in Transition Economies/Fulbright Specialist Program.

<http://meaningfulevidence.com/wp-content/uploads/Basics-of-IPA.pdf>

\* Wallis, S.E. & Wright, B. (September, 2014). *Strategic Knowledge Mapping for Improved Policy and Strategic Planning*. Meaningful Evidence, LLC.

<http://meaningfulevidence.com/wp-content/uploads/Strategic-Knowledge-Mapping-Oct-271.pdf>

## **Software/Tools for Creating Causal Knowledge Maps**

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\* Bellinger, G. Many YouTube videos on using KUMU.

<https://www.youtube.com/watch?v=x1vdO4kdw0k&t=25s>

\* KUMU Docs

<https://docs.kumu.io/>

\* Wright, B., Rostami, A., & Lewis, L. (2016). *Tools for Mapping Your Strategic Plan*. Meaningful Evidence, LLC.

<http://meaningfulevidence.com/strategic-mapping-kit>

- \* Wallis, S. E., & Wright, B. (2015). Strategic Knowledge Mapping: The Co-creation of Useful Knowledge. Paper presented at the Association for Business Simulation and Experiential Learning (ABSEL) 42nd annual conference, Las Vegas, CA.

<https://journals.tdl.org/absel/index.php/absel/article/view/2899/2850>

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## **Tools for Assessing the Quality of Research Across Methods and Disciplines**

- \* Belcher, B.M., Rasmussen, K.E., Kemshaw, M.R., & Zornes, D.A. (2016). Defining and assessing research quality in a transdisciplinary context. *Research Evaluation* 25 (2016), 1-17.

<http://rev.oxfordjournals.org/content/25/1/1.full>

- \* Lynn, J. & Preskill, H. (January 2016). *Rethinking rigor: Increasing credibility and use.*

<http://fsg.org/tools-and-resources/rethinking-rigor>

- \* Wallis SE. (2008) Validation of theory: Exploring and reframing Popper's worlds. *Integral Review* 4(2): 71-91.

<http://integral-review.org/documents/Wallis,%20Validation%20of%20Theory,%20Vol.%204%20No.%202.pdf>

- \* Wright, B. & Wallis, S.W. How good is your evidence? *Stanford Social Innovation Review* (online article). Mar 31, 2017.

[https://ssir.org/articles/entry/how\\_good\\_is\\_your\\_evidence](https://ssir.org/articles/entry/how_good_is_your_evidence)

- \* Houston, D., Wright, B., & Wallis, S. E. (2017). Re-structuring evaluation findings into useful knowledge. *Journal of Multi-Disciplinary Evaluation*, 30(29).

[http://journals.sfu.ca/jmde/index.php/jmde\\_1/article/view/481/436](http://journals.sfu.ca/jmde/index.php/jmde_1/article/view/481/436)

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## **Webinars on Causal Knowledge Mapping**

- \* Wallis, S. (2019). Communicating Messy Maps webinar recording and material.

<https://bit.ly/2wbOtUV>

- \* Wright, B. & Wallis, S.E. (2017). Washington Evaluators Virtual Brown Bag: Causal Knowledge Mapping for More Useful Evaluation. June 27, 2017.

<https://www.youtube.com/watch?v=fpgHir8pk0Y&feature=youtu.be>

- \* Wallis, S.E. & Wright, B. (2016). Network Knowledge Mapping: Mapping the Known, Discovering the Unknown. School of Public Affairs, University of Colorado Denver. November 9, 2016.

<https://www.youtube.com/watch?v=-15wyiyaiZQ&feature=youtu.be>