

LIST OF OPTIONAL AND COMPULSARY READINGS

IUSF-TIAS Autumn School 2015 “Concepts, frameworks and methods for the comparative analysis of water governance”

October 28 to November 5, 2015 in Jülich, Germany

Wednesday 28th of October

Introduction to water governance and comparative analysis, – Claudia Pahl-Wostl

Compulsory reading:

Pahl-Wostl, C. 2015. Water Governance in the Face of Global Change: From Understanding to Transformation. Springer: London:

Ch. 2 – Water Policy and Ch. 3 Conceptual & Analytical Framework

Ch. 9 – Methodological Framework for Empirical Analysis

Optional reading

Pahl-Wostl, C. 2015. Water Governance in the Face of Global Change: From Understanding to Transformation. Springer: London:
Chapters 1-3 (new)

Thursday 29th of October

Frameworks for analyzing socio-ecological systems / Data collection and data analysis – Claudia Binder

Compulsory reading:

Ostrom, E. et. al (2009). A General Framework for Analyzing Sustainability of Social-Ecological Systems *Science* 325 , 419 (2009); DOI: 10.1126/science.1172133

Binder, C. R., J. Hinkel, P. W. G. Bots, and C. Pahl-Wostl. (2013) Comparison of frameworks for analyzing social-ecological systems. *Ecology and Society* 18(4): 26. <http://dx.doi.org/10.5751/ES-05551-180426>

Hinkel, J., M. E. Cox, M. Schlüter, C. R. Binder, and T. Falk (2015). A diagnostic procedure for applying the social-ecological systems framework in diverse cases. *Ecology and Society* 20(1): 32. <http://dx.doi.org/10.5751/ES-07023-200132>

Optional reading:

Ostrom, E. 2007. A diagnostic approach for going beyond panaceas

Baur, I., and C. R. Binder. 2013. Adapting to socioeconomic developments by changing rules in the governance of common property pastures in the Swiss Alps. *Ecology and Society* 18(4): 60. <http://dx.doi.org/10.5751/ES-05689-180460>

Application of the “Management and Transition Framework” – Claudia Pahl-Wostl

Working session (small groups): Design and use of databases for comparative water governance research

Compulsory reading:

Pahl-Wostl, C., Holtz, G., Kastens, B., & Knieper, C. (2010). Analyzing complex water governance regimes: the management and transition framework. *Environmental Science & Policy*, 13(7), 571-581. doi: 10.1016/j.envsci.2010.08.006

Optional reading:

Knieper, C., Holtz, G., Kastens, B., & Pahl-Wostl, C. (2010). Analysing water governance in heterogeneous case studies—experiences with a database approach. *Environmental Science & Policy*, 13(7), 592-603.

Friday 30th of October

Introduction to Property-Rights Theory – Insa Theesfeld

Compulsory reading:

Schlager E, Ostrom, E. 1992. Property-Rights Regimes and Natural Resources: A Conceptual Analysis. *Land Economics* 68, (3), 249-262
Feeny, D., Berkes, F., McCay, B.J., Acheson, J.M., 1990. The tragedy of the commons 22 years later. *Human Ecology* 18, (1),1-19.

Optional reading:

Hardin, G., 1968. The Tragedy of the Commons. *Science* 162, (December),1243-1248.

Monday 2nd of November – Morning

Causality and explanation: comparative method’s ontological and epistemological underpinnings – Peter Mollinga

Compulsory reading – at least one of the following listed in order of priority:

Sayer, A. 1984. *Method in social science: A realist approach*. London: Hutchinson. In this: Chapter 9 ‘Problems of explanation and the aims of social science’ (1992 second edition can also be used)

Yeung, W.C.H. 1997. Critical realism and realist research in human geography: A method or a philosophy in search of a method? *Progress in Human Geography* 21(1):51-74

Bygstad, Bendik and Bjørn Erik Munkvold. 2011. In search of mechanisms: Conducting a critical realist data analysis. Completed Research paper, Thirty Second International Conference on Information Systems, Shanghai 2011. 15 pp.

Optional reading:

Bigo, Vinca and Ioana Negru. 2008. From fragmentation to ontologically reflexive pluralism. *Journal of Philosophical Economics* 1(2):127-150

Burawoy, M. 1998. The extended case method.' *Sociological Theory*. Vol.16(1):4-33.

Cambridge Journal of Economics 2002. Special Issue on Critical Realism. 26(7) *Within this particularly:*

Brown, Andrew, Gary Slater and David A. Spencer. Driven to abstraction? Critical realism and the search for the 'inner' connection of social phenomena. pp. 773-788 **and** Lee, Frederic S. Theory creation and the methodological foundation of post-Keynesian economics. Pp. 789-804

Grix, Jonathan. 2004. 'Introducing the key research paradigms.' In: *The Foundations of research*. Houndmills: Palgrave Macmillan, pp.76-99

Maxwell, Joseph A. 2004. Using qualitative methods for causal explanation. *Field Methods*, 16(3): 243-264

Miller, Robert L. and John D. Brewer (eds.). 2003. 'Research Designs', pp. 262-268 in: *The A-Z of social research. A dictionary of key social science research concepts*. London: Sage.

Ray, Isha. 2006. Outcomes and processes in economics and anthropology. *Economic Development and Cultural Change*. 54(3): 677-694

Monday 2nd of November – Afternoon**Research design and fieldwork for comparative research – Peter Mollinga****Compulsory reading – at least one of the following listed in order of priority:**

Levi-Faur, D. 2005. A question of size? Website Word version. Published as: Levi-Faur, D. 2006. A question of size? A heuristics for stepwise comparative research design. In Rihoux, B. and Grimm, H. (Eds), *Innovative comparative methods for policy analysis*, pp. 43-66. New York: Springer.

Mollinga, P. (2015) Contextuality and problemsheds: critical realist method for interdisciplinary water studies. (draft paper, in preparation)

Mollinga, P. and Gondhalekar, D. 2013. Finding structure in diversity: A stepwise small-N/medium-N qualitative comparative analysis approach for water resources management research. *Water Alternatives* 7(1): 178-198

Optional reading (available upon request from training[at]tias-web.info):

Britt, David W. 1997. *A conceptual introduction to modelling: qualitative and quantitative perspectives*. Lawrence Erlbaum Associates, Mahwah, New Jersey.

Byrne, David. 2005. Complexity, configurations and cases. *Theory, Culture and Society* 22(5):95-111.

Tuesday 3rd of November

Introduction to Qualitative Comparative Analysis (QCA) – Stefan Verweij

Compulsory reading:

Rihoux, B., & Lobe, B. (2009). The case for qualitative comparative analysis (QCA): Adding leverage for thick cross-case comparison. In D. S. Byrne, & C. C. Ragin (eds.), *The Sage handbook of case-based methods* (pp. 222-242). London: Sage.

Rihoux, B., & De Meur, G. (2009). Crisp-set Qualitative comparative analysis (csQCA). In B. Rihoux, & C. C. Ragin (eds.), *Configurational comparative methods: Qualitative comparative analysis (QCA) and related techniques* (pp. 33-68). London: Sage.

Optional reading:

Schneider, C. Q., & Wagemann, C. (2010). Standards of good practice in qualitative comparative analysis (QCA) and fuzzy sets. *Comparative Sociology*, 9(3), 397-418.

Verweij, S., & Gerrits, L. M. (2013). Understanding and researching complexity with qualitative comparative analysis: Evaluating transportation= infrastructure projects. *Evaluation*, 19(1), 40-55.

Recommended books (but not required reading):

Ragin, C. C. (1987). *The comparative method: Moving beyond qualitative and quantitative strategies*. Los Angeles: University of California Press.

Schneider, C. Q., & Wagemann, C. (2012). *Set-theoretic methods for the social sciences: A guide to qualitative comparative analysis*. Cambridge: Cambridge University Press.

Wednesday 4th of November Morning

Water governance from a public policy perspective – Hans Bressers

The assessment and comparison of water governance systems in diverse contexts: practical experiences – Hans Bressers

Compulsory reading:

Bressers, H. and S. Kuks. (2006). Water Basin Regimes in Europe and institutional conditions for their sustainability.

Bressers, H. and S. Kuks. (2012) *Water governance regimes: Dimensions and dynamics*

University of Twente. *Governance Assessment Tool – Summary*

Optional reading:

DROP Governance Assessment Guide, March 2015

Casiano Flores and Hans Bressers, *Changes without changes, WAGO 01 2015*

Wednesday 4th of November Afternoon

Governance of complex socio-technical and socio-ecological systems – Rolf Künneke

Compulsory reading:

Ostrom, E. (2009). “A general framework for analyzing sustainability of socio-ecological systems”
Science 325: 419-422.

Künneke, R. W. (2008). “Institutional Reform and Technological Practice: The Case of Electricity.”
Industrial and Corporate Change 17(2): 233-265.

Künneke, R. W., et al. (2010). “Aligning modes of organization with technology: Critical transactions in the reform of infrastructures.” *Journal of Economic Behavior & Organization* 75: 494-505.

Optional reading:

Ostrom, E. (2005). *Doing Institutional Analysis: Digging Deeper than Markets and Hierarchies*.
Handbook of New Institutional Analysis. C. Ménard and M. M. Shirley. Dordrecht, Springer: 819-848.

Menard, C. (2009). *Doing Institutional Analysis: Digging Deeper Than markets and Hierarchies: Regulatory Challenges in The Water Sector*. Regulation, Deregulation and Reregulation. Institutional Perspectives. C. Menard and M. Ghertman. Cheltenham, Edward Elgar.

Thursday 5th of November

Introduction into transdisciplinary research – Joanne Vinke de-Kruijf

Compulsary Reading:

Patterson, J.J.; Lukaszewicz, A.; Wallis, P.J.; Rubenstein, N.; Coffey, B.; Gachenga, E. and Lynch, A.J.J. 2013. Tapping fresh currents: Fostering early-career researchers in transdisciplinary water governance research. *Water Alternatives* 6(2): 293-312.

Optional reading:

Lang, D. et al. (2012) *Transdisciplinary research in sustainability science: practice, principles, and challenges*. *Sustain Sci*. DOI 10.1007/s11625-011-0149-x

Water governance and Science-policy communication – Sören Bauer

Compulsary Reading:

Baron, N. (2010). How to deliver a clear message. In: *Escape from the ivory tower: a guide to making your science matter* (pp 103-121). Washington DC, USA: Island Press.