

NEWAVE e-Lecture Series: Water Governance Theoretical Perspectives

17 November – 17 December 2020



ONLINE LECTURES REGISTRATION

All lectures are open [upon registration](#)
A participation certificate can be requested if
attending at least 80% of the online public talks

----- Programme 1/2 -----

The abstracts of the sessions can be found at NEWAVE website / upcoming events

17 November	14:00 – 14:35	Prof. Jampel Dell'Angelo	Water governance and politics
	16:00 – 16:35	Prof. Jens Newig	Participatory and multi-level water governance
19 November	14:00 – 14:35	Prof. Margreet Zwarteveen	Ways of knowing water
	16:00 – 16:35	Prof. Jeroen Vos	Water governmentalities
24 November	14:00 – 14:35	Prof. Dustin Garrick	Markets and the Commons: Pressures, Patterns and Pathways of Water Governance Reform
	16:00 – 16:35	Prof. Jeroen Warner	Power and hydro-politics
26 November	14:00 – 14:35	Prof. Jan Selby	Critical theory, political ecology, and the study of water politics
	16:00 – 16:35	Prof. Erik Swyngedouw	The political economy and political ecology of hydro-social dynamics

Programme 2/2

1 December	14:00 – 14:35	Prof. Dave Huitema	Adaptive water governance
	16:00 – 16:35	Prof. Joyeeta Gupta	Multi-level water law and policy
3 December	14:00 – 14:35	Prof. Rutgerd Boelens	Water Rights Struggles, Legal Pluralism and Cultural Politics
	16:00 – 16:35	Prof. Michelle Kooy	Dialogue across disciplines on water & society interactions: socio-hydrology and hydro-social frameworks
8 December	14:00 – 14:35	Prof. François Molle	A political ecology of river basin development
	16:00 – 16:35	Prof. Peter Mollinga	The interdisciplinary study of water governance: a cultural political economy perspective
10 December	14:00 – 14:35	Prof. Mark Zeitoun	Analysis to transform water conflicts / hydro-hegemony
	16:00 – 16:35	Prof. Maria Cristina Rulli	Hydrology for governance
15 December	14:00 – 14:35	Dr. Julia Martínéz Dr. Violeta Cabello	Knowledge co-production and the science-policy interface in water governance
	16:00 – 16:35	Prof. Andrea Gerlak	Adaptive water governance and learning
17 December	14:00 – 14:35	Prof. Maria Kaika	Water and the City: a history of urban metabolism
	16:00 – 16:35	Prof. Aaron Wolf	The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Water Conflicts

Recommended Readings

17 November 14:00-15:30	Water governance and politics Lecture by Prof. Jampel Dell'Angelo
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- Woodhouse, P., & Muller, M. (2017). Water Governance—An Historical Perspective on Current Debates. *World Development*. Elsevier Ltd.
- Dell'Angelo, J., McCord, P. F., Gower, D., Carpenter, S., Caylor, K. K., & Evans, T. P. (2016). Community water governance on Mount Kenya: an assessment based on Ostrom's design principles of natural resource management. *Mountain Research and Development*, 36(1), 102-115.
- Dell'Angelo, J., D'Odorico, P., & Rulli, M. C. (2018). The neglected costs of water peace. *Wiley Interdisciplinary Reviews: Water*, 5(6), e1316.
- Wolf, A. (2007). Shared Waters: Conflict and Cooperation. *Annual Review of Environment and Resources*, 32, 241-269.
- McCord, P., Dell'Angelo, J., Baldwin, E., & Evans, T. (2017). Polycentric transformation in Kenyan water governance: A dynamic analysis of institutional and social-ecological change. *Policy Studies Journal*, 45(4), 633-658.
- Dell'Angelo, J., Rulli, M. C., & D'Odorico, P. (2018). The global water grabbing syndrome. *Ecological Economics*, 143, 276-285.

17 November 16:00-17:30	Participatory and multi-level water governance Lecture by Prof. Jens Newig
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- Moss, T. (2003.) Solving Problems of 'Fit' at the Expense of Problems of 'Interplay'? The Spatial Reorganisation of Water Management following the EU Water Framework Directive, in *How Institutions change. Perspectives on Social Learning in Global and Local Environmental Contexts*, eds. H. Breit, A. Engels, T. Moss and M. Troja. Opladen: Leske + Budrich: 85-121.
- Moss, T. and J. Newig. (2010). Multilevel water governance and problems of scale: Setting the stage for a broader debate. *Environmental Management* 46 (1): 1-6.
- Newig, J. and T.M. Koontz. (2014). 'Multi-level governance, policy implementation and participation: the EU's mandated participatory planning approach to implementing environmental policy. *Journal of European Public Policy* 21 (2): 248-67.
- Newig, J., D. Schulz and N.W. Jager. (2016). Disentangling Puzzles of Spatial Scales and Participation in Environmental Governance - The Case of Governance Re-scaling Through the European Water Framework Directive. *Environmental Management* 58 (6): 998-1014.
- Newig, J., E. Challies, N.W. Jager, E. Kochskämper and A. Adzersen. (2018). The Environmental Performance of Participatory and Collaborative Governance: A Framework of Causal Mechanisms. *Policy Studies Journal* 46 (2): 269-97.



19 November 14:00-15:30	Ways of knowing water Lecture by Prof. Margreet Zwarteveen
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- Jamie Linton.(2008). Is the Hydrologic Cycle Sustainable? A Historical–Geographical Critique of a Modern Concept, *Annals of the Association of American Geographers* 98(3): 630-649.
- Dominguez-Guzman, C., A. Verzijl and M. Zwarteveen. (2017). Water Footprints and ‘Pozas’: Conversations about Practices and Knowledges of Water Efficiency. *Water* 9(1):0016.
- Goldman, M.(2007). How “Water for All!” policy became hegemonic: The power of the World Bank and its transnational policy networks. *Geoforum* 38(5):786-800.
- Taylor, K.S., S. Longboat, R.Q. Grafton. (2019). Whose Rules? A Water Justice Critique of the OECD’s 12 Principles on Water Governance. *Water* 2019, 11(4): 809
- Zwarteveen, M.Z., J. Kemerink-Seyoum, M. Kooy, et al. (2017). Engaging with the politics of water governance. *Wiley Interdisciplinary Reviews: Water* (September).

19 November 16:00-17:30	Water governmentalities Lecture by Prof. Jeroen Vos
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- Robertson, M. (2015). Environmental Governance: Political ecology and the state. In: Perreault, T., Bridge, G. & McCarthy, J. (Eds.), *The Routledge handbook of political ecology*, 457-466
- Vos, J., & Boelens, R. (2014). Sustainability standards and the water question. *Development and Change*, 45(2), 205-230.
- Hommes, L., Boelens, R., Bleeker, S., Duarte-Abadía, B., Stoltenborg, D., & Vos, J. (2020). Water governmentalities: The shaping of hydrosocial territories, water transfers and rural–urban subjects in Latin America. *Environment and Planning E: Nature and Space*, 3(2), 399-422

24 November 14:00-15:30	Markets and the Commons: Pressures, Patterns and Pathways of Water Governance Reform Lecture by Prof. Dustin Garrick
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- Meinzen-Dick, R. (2007). Beyond panaceas in water institutions. *Proceedings of the national Academy of sciences*, 104(39), pp.15200-15205
- Ostrom, E. (1993). Design principles in long-enduring irrigation institutions. *Water Resources Research*, 29(7), pp.1907-1912
- O'Donnell, E.L. and Garrick, D.E. (2019). The diversity of water markets: Prospects and perils for the SDG agenda. *Wiley Interdisciplinary Reviews: Water*, 6(5), p.e1368
- Bauer, C.J. (1997). Bringing water markets down to earth: The political economy of water rights in Chile, 1976–1995. *World development*, 25(5), pp.639-656
- Ostrom, V. (1962). The political economy of water development. *The American Economic Review*, 52(2), pp.450-458



24 November 16:00-17:30	Power and hydro-politics Lecture by Prof. Jeroen Warner
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Warner, J., & de Man, R. (2020). Powering hydrodiplomacy: How a broader power palette can deepen our understanding of water conflict dynamics. *Environmental Science & Policy*, 114, 283-294.

Carstensen, M. B., & Schmidt, V. A. (2016). Power through, over and in ideas: conceptualizing ideational power in discursive institutionalism. *Journal of European public policy*, 23(3), 318-337.

Clement, F. (2013). For critical social-ecological system studies: integrating power and discourses to move beyond the right institutional fit. *Environmental Conservation*, 40(1), 1-4.

Warner, J. & Wegerich, K. (2010). Is water political? Towards international water relations. In: K. Wegerich & J. Warner (Eds.): *The politics of water: a survey*. London Routledge.

26 November 14:00-15:30	Critical theory, political ecology, and the study of water politics Lecture by Prof. Jan Selby
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Cox R.W. (1981). Social Forces, States and World Orders: Beyond International Relations Theory. *Millennium - Journal of International Studies* 1981; 10; 126.

Selby, J. (2014). Positivist Climate Conflict Research: A Critique, *Geopolitics*, 19:4, 829-856.

Selby, J. (2019). Climate change and the Syrian civil war, Part II: The Jazira's agrarian crisis. Elsevier, *Geoforum* 101 (2019) 260-274

26 November 16:00-17:30	The political economy and political ecology of hydro-social dynamics Lecture by Prof. Erik Swyngedouw
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Swyngedouw, E. (1997). Power, Nature, and the City. The Conquest of Water and the Political Ecology of Urbanization in Guayaquil, Ecuador: 1880–1990. *Environment and Planning A: Economy and Space*, 29(2), 311–332.

Swyngedouw, E. (1999), Modernity and Hybridity: Nature, *Regeneracionismo*, and the Production of the Spanish Waterscape, 1890–1930. *Annals of the Association of American Geographers*, 89: 443-465.

Swyngedouw, Erik., Kaika, Maria & Castro, Jose Esteban. (2002). Urban Water: A Political-Ecology Perspective. *Built Environment* (1978-). 28. 124-137.

Swyngedouw, Erik. (2013). UN Water Report 2012: Depoliticizing Water. *Development and Change*. 44. 10.1111/dech.12033.

Boelens, R., Hoogesteger, J., Swyngedouw, E., Vos, J. & Wester, P. (2016). Hydrosocial territories: a political ecology perspective. *Water International* vol 41, No.1, 1-14.



1 December 14:00-15:30	Adaptive water governance Lecture by Prof. Dave Huitema
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Folke, C., Hahn, T., Olsson, P., & Norberg, J. (2005). Adaptive governance of social-ecological systems. *Annu. Rev. Environ. Resour.*, 30, 441-473.

Chaffin, B. C., H. Gosnell, and B. A. Cosens. (2014). A decade of adaptive governance scholarship: synthesis and future directions. *Ecology and Society* 19(3): 56.

Huitema, D., E. Mostert, W. Egas, S. Moellenkamp, C. Pahl-Wostl, and R. Yalcin. 2009. Adaptive water governance: assessing the institutional prescriptions of adaptive (co-)management from a governance perspective and defining a research agenda. *Ecology and Society* 14(1): 26.

1 December 16:00-17:30	Multi-level water law and policy Lecture by Prof. Joyeeta Gupta
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GEO-6 (2019). Chapter 9. UNEP. <https://www.unenvironment.org/resources/global-environment-outlook-6>

Gupta, J. (2016). The Watercourses Convention, hydro-hegemony and transboundary water issues, *The International Spectator*, 51(3): 118-131.

Bosch, H.J. and Gupta, J. (2020). Access to and ownership of water in Anglophone Africa and a case study in South Africa. *Water Alternatives* 13(2): 205-224.

Gupta, J. and S. Schmeier (2020). Future proofing the principle of no significant harm in water and environmental law, *International Environmental Agreements: Politics, Law and Economics*, 20(4).

3 December 14:00-15:30	Water Rights Struggles, Legal Pluralism and Cultural Politics Lecture by Prof. Rutgerd Boelens
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Boelens, R. (2014). Cultural politics and the hydrosocial cycle: Water, power and identity in the Andean highlands. *Geoforum*, 57, 234-247.

Valladares, C., & Boelens, R. (2019). Mining for Mother Earth. Governmentalities, sacred waters and nature's rights in Ecuador. *Geoforum*, 100, 68-79.

Boelens, R., Hoogesteger, J., Swyngedouw, E., Vos, J., & Wester, P. (2016). Hydrosocial territories: a political ecology perspective. *Water International*, 41(1), 1-14.

Ross, A. & H. Chang. (2020). Socio-hydrology with hydrosocial theory: two sides of the same coin?, *Hydrological Sciences Journal*, 65:9, 1443-1457.

Boelens, R., & Gelles, P. H. (2005). Cultural politics, communal resistance and identity in Andean irrigation development. *Bulletin of Latin American Research*, 24(3), 311-327.

Dupuits, E. (2019). Water community networks and the appropriation of neoliberal practices: social technology, depoliticization, and resistance. *Ecology and Society* 24(2):20.



3 December 16:00-17:30	Dialogues across disciplines on water & society interactions: socio-hydrology and hydrosocial frameworks Lecture by Prof. Michelle Kooy
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Wesselink, A., Kooy, M., and J. Warner .(2017). Socio-hydrology and hydrosocial analysis: towards dialogues across disciplines. *WIREs Water* 2017, 4:e1196.

Linton J, Budds J. (2014.) The hydrosocial cycle: defining and mobilizing a relational–dialectical approach to water. *Geoforum*, 57:170–180.

Di Baldassarre, G., Viglione, A., Carr, G., Kuil, L., Yan, K., Brandimarte, L., and Blöschl, G. (2015). Debates—Perspectives on socio-hydrology: Capturing feedbacks between physical and social processes, *Water Resour. Res.*, 51, 4770– 4781.

8 December 14:00-15:30	A political ecology of river basin development Lecture by Prof. François Molle
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Molle, F. (2009). Water, politics, and river basin governance: Repoliticizing approaches to river basin management. *Water International* 34(1): 62-70.

Huitema, D. and S. Meijerink (2017). The politics of river basin organizations: institutional design choices, coalitions, and consequences. *Ecology and Society* 22(2):42.

Molle, F . (2008). Why enough is never enough: The societal determinants of river basin closure. *International Journal of Water Resource Development* 24(2): 247-256.

8 December 16:00-17:30	The interdisciplinary study of water governance: a cultural political economy perspective Lecture by Prof. Peter Mollinga
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Sum, N. L., & Jessop, B. (2013). 'Introduction' in *Towards a cultural political economy: Putting culture in its place in political economy*. Edward Elgar Publishing. pp. 1-30. (Can be read in Google Books).

Mollinga, P. P. (2008). Water, politics and development: Framing a political sociology of water resources management. *Water Alternatives*, 1(1): 7-23 (available online).

Mollinga, P. P. (2020). Knowledge, context and problemsheds: a critical realist method for interdisciplinary water studies. *Water International*, 45(5), 388-415.

10 December 14:00-15:30	Analysis to transform water conflicts/hydro-hegemony Lecture by Prof. Mark Zeitoun
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Zeitoun, M. and N. Mirumachi .(2008). Transboundary water interaction I: Reconsidering conflict and cooperation. *International Environmental Agreements* 8(4): 297 - 316.

Zeitoun, M., N. Mirumachi, J. Warner, M. Kirkegaard and A. Cascão. (2020). Analysis for water conflict transformation. *Water International* 45(4): 365 - 384.

Zeitoun, M. and Warner, J . (2006). Hydro-Hegemony: A Framework for Analysis of Transboundary Water Conflicts. *Water Policy* 8(2006): 435-460.



10 December 16:00-17:30	Hydrology for governance Lecture by Prof. Maria Cristina Rulli
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Leopold, Luna Bergere. A primer on water. US Government Printing Office, 1960.

Mekonnen, M. M., & Hoekstra, A. Y. (2016). Four billion people facing severe water scarcity. *Science advances*, 2(2), e1500323.

D'Odorico, P., Carr, J., Dalin, C., Dell'Angelo, J., Konar, M., Laio, F., Ridolfi, L., Rosa, L., Suweis, S., Tamea, S. and Tuninetti, M., 2019. Global virtual water trade and the hydrological cycle: patterns, drivers, and socio-environmental impacts. *Environmental Research Letters*, 14(5), p.053001.

15 December 14:00-15:30	Knowledge co-production and the science-policy interface in water governance Lecture by Dr. Julia Martínez-Fernández & Violeta Cabello
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Miller, C.A., Wyborn, C. (2018). Co-production in global sustainability: Histories and theories. *Environmental Science & Policy*.

Norström, A.V., Cvitanovic, C., Löf, M.F., West, S., Wyborn, C., Balvanera, P., Bednarek, A.T., Bennett, E.M., et al. (2020). Principles for knowledge co-production in sustainability research. *Nat Sustain* 1–9.

Balvanera P, Jacobs S, Nagendra H, O'Farrell P, Bridgewater P, Crouzat E, Dendoncker N, Goodwin S, Gustafsson S, Kadykalo A, Krug C, Matuk F, Pandit R, Sala JM, Schröter M & Washbourne CL. (2020). The science-policy interface on ecosystems and people: challenges and opportunities, *Ecosystems and People*, 16:1, 345-353.

15 December 16:00-17:30	Adaptive water governance learning Lecture by Prof. Andrea Gerlak
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Gerlak, Andrea K. and Tanya Heikkila. (2011). Building a Theory of Learning in Collaboratives: Evidence from the Everglades Restoration Program. *Journal of Public Administration Research and Theory* 21(4): 619–644.

Gerlak, Andrea K., Tanya Heikkila, Sharon L. Smolinski, Dave Huitema, Derek Armitage. (2017). Learning our way out of environmental policy problems: a review of the scholarship. *Policy Sciences* 51(3): 335-371.

Gerlak, Andrea K., Tanya Heikkila and Jens Newig. (2020). Learning in environmental governance: opportunities for translating theory to practice. *Journal of Environmental Policy & Planning*.



17 December
 14:00-15:30

Water and the City: a history of urban metabolism
 Lecture by Prof. Maria Kaika

Kaika, Maria. (2004). Interrogating the Geographies of the Familiar: Domesticating Nature and Constructing the Autonomy of the Modern Home. *International Journal of Urban and Regional Research* 28(2):265-86.

Kaika, Maria. (2017). Don't call me Resilient Again! The New Urban Agenda as Immunology ... or what happens when communities refuse to be vaccinated with 'smart cities' and indicators. *Environment and Urbanization* 29(1):89-102.

Kaika, Maria, and Erik Swyngedouw. (2000). Fetishising the Modern City: the Phantasmagoria of Urban Technological Networks. *International Journal of Urban and Regional Research* 24(1):120-38.

Kaika, Maria. (2006). Dams as symbols of modernization: the urbanization of nature between geographical imagination and materiality. *Annals, Association of American Geographers* 96(2):276-301.

Caprotti, Federico, and Maria Kaika. (2008). City and Nature: ideology and representation in fascist New Towns. *Social and Cultural Geography* 9 (6):613-34.

17 December
 16:00-17:30

The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Water Conflicts
 Lecture by Prof. Aaron Wolf

Wolf Aaron. (2018). International Waters: Conflict, Cooperation, and Transformation. In: Dominick A. DellaSala, and Michael I. Goldstein (eds.) *The Encyclopedia of the Anthropocene*, vol. 4, 291-299. Oxford: Elsevier.

M.J. Patrick, H. Komakech, N. Mirumachi, H. Moosa, A. Prakash, L. Salame, Z. Shubber, P. van der Zaag, A.T. Wolf. (2014). Building Bridges between the Sciences and the Arts of Water Co-operation through Collective Action – Reflections, *Aquatic Procedia*, vol. 2, 48-54.

Wolf, Aaron. (2012). Spiritual understandings of conflict and transformation and their contribution to water dialogue. *Water Policy*.

Aaron, Wolf. 2017. *The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Conflict*. Island Press, USA.

