**COURSE SEMINAR SESSIONS OVERVIEW**

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| **SESSION 1****Wednesday, February 6****(Re)thinking complexity: What makes a problem wicked?**Introduction to the course, literature review & group assignmentsCompulsory readings:* Crowley, K. & Head, B.W. (2017). The enduring challenge of ‘wicked problems’: revisiting Ritter and Webber. *Policy Sciences*, 50(4), 539-547.
* Ritter, H.W.J. & Webber, M.M. Webber. (1973). Dilemmas in a general theory of planning. *Policy Sciences*, 4(2), 155–169.
* Peters, B.G. (2017). What is so wicked about wicked problems? A conceptual analysis and a research program, *Policy and Society*, 36(3), 385-396. DOI: 10.1080/14494035.2017.1361633

Further readings:* Morin, E. (2007). Restricted complexity, general complexity. In C. Gershenson, D. Aerts, & B. Edmonds (Eds.), *Worldviews, science, and us: Philosophy and complexity*. New York: World Scientific Publishing.
* Turnbull, N. & Hoppe, R. (2018). Problematizing ‘wickedness’: a critique of the wicked problems concept, from philosophy to practice. *Policy and Society. Online Journal.* h[ttps://doi.org/10.1080/14494035.2018.1488796](https://doi.org/10.1080/14494035.2018.1488796)
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| **SESSION 2****Wednesday, February 27****Wicked Problems Lab: FMO & trade-offs amongst Sustainable Development Goals**Investigation of actual real world cases of wicked problems the Dutch entrepreneurial development bank FMO is grappling with (introduction research project & appointment of research groups & research topics)Compulsory reading:* Sachs, J.D. (2012). From Millennium Development Goals to Sustainable Development Goals. *The Lancet*, 379(9832), 2206-2211.
* Weber, O. (2014). Social banking: Concept, definitions and practice. *Global Social Policy*, 14(2), 265–267.
* Weber, O. & Feltmate, B.W. (2016). *Sustainable Banking. Managing the Social and Environmental Impact of Financial Institutions.* Toronto (Ontario), Buffalo (New York): University of Toronto Press. [Chapter 2: History of Sustainable Banking, 25-44.]

Further reading:* Chong, D. (2018). The Sustainable Development Goals and Climate Change. *Social Alternatives*, 37(1), 43-48.
* Freisteina, K. & Mahlert, B. (2016). The potential for tackling inequality in the Sustainable Development Goals. *Third World Quarterly*, 37(12), 2139–2155. <http://dx.doi.org/10.1080/01436597.2016.1166945>
* Kim, E.M. (2017). Gender and the Sustainable Development Goals. Global Social Policy, 17(2), 239-244.
* Weber, O. & Feltmate, B.W. (2016). *Sustainable Banking. Managing the Social and Environmental Impact of Financial Institutions.* Toronto (Ontario), Buffalo (New York): University of Toronto Press. [Chapter 8: Social Finance and Impact Investing, 165-192.]
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| **SESSION 3****Wednesday, February 27****Dealing with complexity: How to untangle wicked problems?**Literature review & group assignmentsCompulsory reading:* Hoppe. R. (2018). Rules-of-thumb for problem-structuring policy design, *Policy Design and Practice*, 1(1), 12-29. DOI: 10.1080/25741292.2018.1427419
* Van der Lei, T.E., Enserink, B., Thissen, W.A.H., & Bekebrede, G. (2011). How to use a systems diagram to analyse and structure complex problems for policy issue papers. *Operational Research Society*, 62(7), 1391-1402. https://doi.org/10.1057/jors.2010.28

Further reading:* Alford, J. & Head, B.W. (2017). Wicked and less wicked problems: a typology and a contingency framework, *Policy and Society*, 36(3), 397-413. <https://doi.org/10.1080/14494035.2017.1361634>
* McCall, R. & Burge, J. (2016). Untangling wicked problems. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing*, 30(2), 200-210.
* Wright, G., Cairns, G., O'Brien, F.A. & Goodwin, P. (2018). Scenario analysis to support decision making in addressing wicked problems: Pitfalls and potential. *European Journal of Operational Research*, 10(12), 1-17. <https://doi.org/10.1016/j.ejor.2018.08.035>
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| **SESSION 4****Wednesday, March 13****Moral challenges of complexity: Wicked problems or wicked people?**Literature review & group assignmentsIntroduction home assignment: writing of an argumentative essay (individually)Compulsory reading:* Grant-Smith, D. & Osborne, N. (2016). Dealing with discomfort: how the unspeakable confounds wicked planning problems, *Australian Planner*, 53(1), 46-53. <https://doi.org/10.1080/07293682.2015.1135812>
* Milkoreit, M., Moore, M-L., Schoon, M. & Meek, C.L. (2015). Resilience scientists as change-makers—Growing the middle ground between science and advocacy? *Environmental Science and Policy*, 53, 87-95.

Further reading:* Anthony, R. (2012). Taming the unruly side of ethics. Overcoming challenges of a bottom-up approach to ethics in the areas of food policy and climat change. *Journal of Agricultural and Environmental Ethics*, 25(6), 813-841. DOI 10.1007/s10806-011-9358-7
* Kok, J. & Chan, H. (2016). The ethics of working with wicked urban waste problems: The case of Singapore’s Semakau Landfill. *Landscape and Urban Planning*, 154, 123-23. <https://doi.org/10.1016/j.landurbplan.2016.03.017>
* Van der Hel, S. (2018). Science for change: A survey on the normative and political dimensions of global sustainability research. *Global Environmental Change*, 52, 248-258.
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| **SESSION 5****Wednesday, April 3****Wicked problems & Politics: Puzzling and powering in long time policy making.**Literature review & group assignmentsCompulsory reading:* Reinecke, J. & Ansari, S. (2016) Taming wicked problems: The role of framing in the construction of corporate social responsibility. *Journal of Management Studies*, 53(3), 299-329.
* Stenmark, L.L. (2015). Why do we disagree on climate change? Zygon, 50(4), pp.922-936.

Further reading:* Dewulf, A. (2013). Contrasting frames in policy debates on climate change adaptation. *Wiley Interdisciplinary Reviews: Climate Change*, 4(4), 321-330. <https://doi-org.ezproxy.leidenuniv.nl:2443/10.1002/wcc.227>
* Head, B.W. & Alford, J. (2015). Wicked problems: Implications for public policy and management. *Administration & Society*, 47(6), 711-739.
* Weber, H. (2014). When Goals Collide: Politics of the MDGs and the post-2015 Sustainable Development Goals agenda. *SAIS Review of International Affairs*, 34(2), 129-139. <https://doi.org/10.1353/sais.2014.0026>
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| **SESSION 6****Wednesday, April 10****Wicked problems & Governance: Are wicked problems governable?**Literature review & group assignmentsCompulsory reading:* Jaeger, H-M. (2007). ‘Global Civil Society’ and the political depoliticization of global governance. *International Political Sociology*, 1(3), 257-277.
* Termeer, C.J.A.M., Dewulf, A., Breeman, G.; Stiller & Sabina, J. (2015). Governance Capabilities for Dealing Wisely With Wicked Problems. *Administration & Society*, 47(6), 680-710.

Further reading:* Daviter, F. (2017). Coping, taming or solving: alternative approaches to the governance of wicked problems. *Policy Studies*, 571-588.
* Roe, E. (2016). Policy messes and their management. *Policy Sciences*, 49(4), 351-372.
* Edwards M.S. & Romero, S. (2014). Governance and the Sustainable Development Goals: changing the game or more of the same? *SAIS Review of International Affairs*, 34(2), 141-150.
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| **SESSION 7****Wednesday, May 8****Wicked problems & Policy coherence: Making thoughtful trade-offs amongst SDGs** Pitches & (first trial) presentationsCompulsory reading:* Petersen, A.C, Cath, A., Hage, M., Kunseler, E. & Van Der Sluijs, J.P. (2011). Post-Normal Science in Practice at the Netherlands Environmental Assessment Agency. *Science, Technology, & Human Values*, 36(3), 362-388.

Further reading:* Dijk, M., De Kraker, J., Van Zeijl-Rozema, A., Van Lente, H., Beumer, C., Beemsterboer, S. &Valkering, P. (2017). Sustainability assessment as problem structuring: three typical ways. *Sustainability Science*, 3(1), 305-317.
* Nilsson, M. Griggs, D. & Visbeck, M. (2106). Policy. Map the interactions between sustainable development goals. *Nature*, 534(7607), 320-323.
* Nilsson, M., Chisholm, E., Griggs, D., Howden-Chapman, P., Mccollum, D., Messerli, P., Neumann, B., Stevance, A-S., Visbeck, M. & Stafford-Smith, M. (2018). [Mapping interactions between the sustainable development goals: lessons learned and ways forward](https://catalogue.leidenuniv.nl/primo-explore/fulldisplay?docid=TN_medline30546483&context=PC&vid=UBL_V1&lang=en_US&search_scope=All_Content&adaptor=primo_central_multiple_fe&tab=all_content&query=any,contains,Map%20the%20interactions%20between%20sustainable%20development%20goals&sortby=rank&offset=0). *Sustainability science*, 13(6), 1489-1503.
* Singh, G.G., Cisneros-Montemayor, A.M., Swartz, W., Cheung, W., Guy, J.A., Kenny, T-A., Mcowen, C.J., Asch, R., Geffert, J.L., Wabnitz, C.C.C., Sumaila, R., Hanich, Q. & Ota, Y. (2018). A rapid assessment of co-benefits and trade-offs among Sustainable Development Goals. *Marine Policy*, 93, 223-231.
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| **SESSION 8****Wednesday, May 15****Presentations**Teams present their research project to mr. Stan Stavenuiter, senior evaluation officer of FMO. |