DEVP0023: Adapting cities to climate change: David Dodman, David Satterthwaite

Term: Two

Assessment: Coursework (75%), Group work (25%)

Intensity: Fifteen (15) Credit



[1]

A.-H. Prieur-Richard et al., 'Global Research and Action Agenda on Cities and Climate Change Science (long version)'. CitiesIPCC Cities and Climate Change Science Conference [Online]. Available: https://www.

wcrp-climate.org/WCRP-publications/2019/GRAA-Cities-and-Climate-Change-Science-Full.pdf

[2]

P. Romero-Lankao and D. Dodman, 'Cities in transition: transforming urban centers from hotbeds of GHG emissions and vulnerability to seedbeds of sustainability and resilience', Current Opinion in Environmental Sustainability, vol. 3, no. 3, pp. 113–120, May 2011, doi: 10.1016/j.cosust.2011.02.002.

[3]

D. Satterthwaite, 'How urban societies can adapt to resource shortage and climate change', Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, vol. 369, no. 1942, pp. 1762–1783, 2011, doi: 10.1098/rsta.2010.0350.

[4]

H. Bulkeley, G. A. S. Edwards, and S. Fuller, 'Contesting climate justice in the city: Examining politics and practice in urban climate change experiments', Global Environmental Change, vol. 25, pp. 31–40, Mar. 2014, doi: 10.1016/j.gloenvcha.2014.01.009.

[5]

D. Hoornweg, L. Sugar, and C. L. Trejos Gomez, 'Cities and greenhouse gas emissions: moving forward', Environment and Urbanization, vol. 23, no. 1, pp. 207–227, 2011, doi: 10.1177/0956247810392270.

[6]

S. Lwasa, 'Options for reduction of greenhouse gas emissions in the low-emitting city and metropolitan region of Kampala', Carbon Management, vol. 8, no. 3, pp. 263–276, May 2017, doi: 10.1080/17583004.2017.1330592.

[7]

D. Dodman, H. Leck, M. Rusca, and S. Colenbrander, 'African Urbanisation and Urbanism: Implications for risk accumulation and reduction', International Journal of Disaster Risk Reduction, vol. 26, pp. 7–15, Dec. 2017, doi: 10.1016/j.ijdrr.2017.06.029.

[8]

G. McGranahan, D. Balk, and B. Anderson, 'The rising tide: assessing the risks of climate change and human settlements in low elevation coastal zones', Environment and Urbanization, vol. 19, no. 1, pp. 17–37, 2007, doi: 10.1177/0956247807076960.

[9]

A. Revi et al., 'Chapter 8 - Urban Areas', in Climate Change 2014 - Impacts, Adaptation and Vulnerability: Part A: Global and Sectoral Aspects: Working Group II Contribution to the IPCC Fifth Assessment Report, Volume 1: Global and Sectoral Aspects, Cambridge: Cambridge University Press, 2014, pp. 535–612 [Online]. Available: https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap8 FINAL.pdf

[10]

D. Brown and D. Dodman, 'Understanding children's risk and agency in urban areas and their implications for child- centred urban disaster risk reduction in Asia: Insights from Dhaka, Kathmandu, Manila and Jakarta', no. Working Paper Series 6. IIED, pp. 1–58, 2014 [Online]. Available:

https://www.researchgate.net/publication/313219950_Understanding_children's_risk_and_a gency_in_urban_areas_and_their_implications_for_child-centred_urban_disaster_risk_reduct ion in Asia Insights from Dhaka Kathmandu Manila and Jakarta

[11]

S. Chatterjee, 'Rights, risks and resilience: the 3Rs approach to child-centred climate change adaptation in Asian cities', in Responding to Climate Change in Asian Cities, pp. 33–55 [Online]. Available: http://www.tandfebooks.com/ISBN/9781315620701

[12]

D. Dodman and D. Satterthwaite, 'Institutional Capacity, Climate Change Adaptation and the Urban Poor', IDS Bulletin, vol. 39, no. 4, pp. 67–74, 2008, doi: 10.1111/j.1759-5436.2008.tb00478.x.

[13]

F. Sultana, 'Gendering Climate Change: Geographical Insights', The Professional Geographer, vol. 66, no. 3, pp. 372–381, Jul. 2014, doi: 10.1080/00330124.2013.821730.

[14]

I. Anguelovski, E. Chu, and J. Carmin, 'Variations in approaches to urban climate adaptation: Experiences and experimentation from the global South', Global Environmental Change, vol. 27, pp. 156–167, Jul. 2014, doi: 10.1016/j.gloenvcha.2014.05.010.

[15]

V. Castán Broto, 'Urban Governance and the Politics of Climate change', World Development, vol. 93, pp. 1–15, May 2017, doi: 10.1016/j.worlddev.2016.12.031.

[16]

D. Dodman, S. Colenbrander, and D. Archer, 'Conclusion: Towards adaptive urban governance', in Responding to Climate Change in Asian Cities, pp. 200–217 [Online]. Available: http://www.tandfebooks.com/ISBN/9781315620701

[17]

J. Hardoy, E. Gencer, and M. Winograd, 'Participatory planning for climate resilient and inclusive urban development in Dosquebradas, Santa Ana and Santa Tomé', Environment and Urbanization, vol. 31, no. 1, pp. 33–52, Apr. 2019, doi: 10.1177/0956247819825539.

[18]

C. Béné, L. Mehta, G. McGranahan, T. Cannon, J. Gupte, and T. Tanner, 'Resilience as a policy narrative: Potentials and limits in the context of urban planning', Climate and Development, vol. 10, no. 2, pp. 116–133, 2017, doi: 10.1080/17565529.2017.1301868.

[19]

D. Dodman, D. Archer, and D. Satterthwaite, 'Editorial: Responding to climate change in contexts of urban poverty and informality', Environment and Urbanization, vol. 31, no. 1, pp. 3–12, Apr. 2019, doi: 10.1177/0956247819830004.

[20]

S. Tyler and M. Moench, 'A framework for urban climate resilience', Climate and Development, vol. 4, no. 4, pp. 311–326, Oct. 2012, doi: 10.1080/17565529.2012.745389.

[21]

S. Dobson, H. Nyamweru, and D. Dodman, 'Local and participatory approaches to building resilience in informal settlements in Uganda', Environment and Urbanization, vol. 27, no. 2, pp. 605–620, Oct. 2015, doi: 10.1177/0956247815598520.

[22]

H. Jabeen, 'Gendered space and climate resilience in informal settlements in Khulna City, Bangladesh', Environment and Urbanization, vol. 31, no. 1, pp. 115–138, Apr. 2019, doi: 10.1177/0956247819828274.

[23]

M. Moench, F. Khan, K. MacClune, C. Amman, P. Tran, and K. Hawley, 'Transforming

vulnerability: shelter, adaptation, and climate thresholds', Climate and Development, vol. 9, no. 1, pp. 22–35, 2017, doi: 10.1080/17565529.2015.1067592.

[24]

J. Mulligan, J. Harper, P. Kipkemboi, B. Ngobi, and A. Collins, 'Community-responsive adaptation to flooding in Kibera, Kenya', Proceedings of the Institution of Civil Engineers - Engineering Sustainability, Jun. 2016, doi: 10.1680/jensu.15.00060.

[25]

E. Chu, I. Anguelovski, and J. Carmin, 'Inclusive approaches to urban climate adaptation planning and implementation in the Global South', Climate Policy, vol. 16, no. 3, pp. 372–392, 2016, doi: 10.1080/14693062.2015.1019822.

[26]

D. Dodman, L. Diep, and S. Colenbrander, 'Making the case for the nexus between resilience and resource efficiency at the city scale', International Journal of Urban Sustainable Development, vol. 9, no. 2, pp. 97–106, May 2017, doi: 10.1080/19463138.2017.1345740.

[27]

J. Hardoy and R. Ruete, 'Incorporating climate change adaptation into planning for a liveable city in Rosario, Argentina', Environment and Urbanization, vol. 25, no. 2, pp. 339–360, Oct. 2013, doi: 10.1177/0956247813493232.

[28]

L. Shi et al., 'Roadmap towards justice in urban climate adaptation research', Nature Climate Change, vol. 6, no. 2, pp. 131–137, Jan. 2016, doi: 10.1038/nclimate2841.

[29]

J. Ayers, 'International funding to support urban adaptation to climate change', Environment and Urbanization, vol. 21, no. 1, pp. 225–240, 2009, doi: 10.1177/0956247809103021.

[30]

B. Horstmann and A. C. Abeysinghe, 'The Adaptation Fund of the Kyoto Protocol: A model for financing adaptation to climate change?', Climate law, vol. 2, no. 3, pp. 415–437, 2011, doi: 10.3233/CL-2011-043.

[31]

D. Satterthwaite, 'Getting local governments, residents and enterprises to respond to the new IPCC assessment', Environment and Urbanization, vol. 26, no. 1, pp. 3–10, Apr. 2014, doi: 10.1177/0956247814522386.

[32]

R. Galvin, 'Developing a critical model to evaluate the appropriateness of local body climate protection policies: the case of Freiberg', vol. CSERGE Working Paper EDM 09-09. University of East Anglia, Norwich, 2009.

[33]

D. Satterthwaite and D. Dodman, 'The costs of adapting infrastructure to climate change', in Assessing the costs of adaptation to climate change: a review of the UNFCCC and other recent estimates, London: International Institute for Environment and Development, 2009, pp. 73–89.

[34]

D. Satterthwaite, '8 points on financing climate change adaptation in urban areas', International Institute for Environment and Development, 20AD. [Online]. Available: http://www.iied.org/8-points-financing-climate-change-adaptation-urban-areas

[35]

D. Satterthwaite , D. Dodman , and J. Bicknell , 'Conclusions: Local Development and Adaptation', in Adapting cities to climate change: understanding and addressing the development challenges, London: Earthscan, 2009, pp. 359–383.

[36]

P. Newman, 'The environmental impact of cities', Environment and Urbanization, vol. 18, no. 2, pp. 275–295, 2006, doi: 10.1177/0956247806069599.

[37]

F. Sultana, 'Gendering Climate Change: Geographical Insights', The Professional Geographer, vol. 66, no. 3, pp. 372–381, Jul. 2014, doi: 10.1080/00330124.2013.821730.

[38]

J. Hardoy and G. Pandiella, 'Urban poverty and vulnerability to climate change in Latin America', Environment and Urbanization, vol. 21, no. 1, pp. 203–224, 2009, doi: 10.1177/0956247809103019.

[39]

S. Fisher, 'Exploring nascent climate policies in Indian cities: a role for policy mobilities?', International Journal of Urban Sustainable Development, vol. 6, no. 2, pp. 154–173, Jul. 2014, doi: 10.1080/19463138.2014.892006.

[40]

J. da Silva, S. Kernaghan, and A. Luque, 'A systems approach to meeting the challenges of urban climate change', International Journal of Urban Sustainable Development, vol. 4, no. 2, pp. 125–145, Nov. 2012, doi: 10.1080/19463138.2012.718279.

[41]

D. Satterthwaite, 'Getting local governments, residents and enterprises to respond to the new IPCC assessment', Environment and Urbanization, vol. 26, no. 1, pp. 3–10, Apr. 2014, doi: 10.1177/0956247814522386.