

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

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Term: Two

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

Intensity: Fifteen (15) Credit

1

Prieur-Richard et al. A-H. Global Research and Action Agenda on Cities and Climate Change Science (long version). <https://www.wcrp-climate.org/WCRP-publications/2019/GRAA-Cities-and-Climate-Change-Science-Full.pdf>

2

Romero-Lankao P, Dodman D. Cities in transition: transforming urban centers from hotbeds of GHG emissions and vulnerability to seedbeds of sustainability and resilience. *Current Opinion in Environmental Sustainability* 2011;**3**:113–20. doi:10.1016/j.cosust.2011.02.002

3

Satterthwaite D. How urban societies can adapt to resource shortage and climate change. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 2011;**369**:1762–83. doi:10.1098/rsta.2010.0350

4

Bulkeley H, Edwards GAS, Fuller S. Contesting climate justice in the city: Examining politics and practice in urban climate change experiments. *Global Environmental Change* 2014;**25**:31–40. doi:10.1016/j.gloenvcha.2014.01.009

5

Hoornweg D, Sugar L, Trejos Gomez CL. Cities and greenhouse gas emissions: moving forward. *Environment and Urbanization* 2011;**23**:207–27. doi:10.1177/0956247810392270

6

Lwasa S. Options for reduction of greenhouse gas emissions in the low-emitting city and metropolitan region of Kampala. *Carbon Management* 2017;**8**:263–76. doi:10.1080/17583004.2017.1330592

7

Dodman D, Leck H, Rusca M, et al. African Urbanisation and Urbanism: Implications for risk accumulation and reduction. *International Journal of Disaster Risk Reduction* 2017;**26**:7–15. doi:10.1016/j.ijdrr.2017.06.029

8

McGranahan G, Balk D, Anderson B. The rising tide: assessing the risks of climate change and human settlements in low elevation coastal zones. *Environment and Urbanization* 2007;**19**:17–37. doi:10.1177/0956247807076960

9

Revi et al. A. 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. 535–612. https://www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap8_FINAL.pdf

10

Brown D, Dodman D. 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. 2014;:1–58. doi:10.13140/RG.2.2.34736.76802

11

Chatterjee S. Rights, risks and resilience: the 3Rs approach to child-centred climate

change adaptation in Asian cities. In: Responding to Climate Change in Asian Cities
.33–55.<http://www.tandfebooks.com/ISBN/9781315620701>

12

Dodman D, Satterthwaite D. Institutional Capacity, Climate Change Adaptation and the Urban Poor. IDS Bulletin 2008;**39**:67–74. doi:10.1111/j.1759-5436.2008.tb00478.x

13

Sultana F. Gendering Climate Change: Geographical Insights. The Professional Geographer 2014;**66**:372–81. doi:10.1080/00330124.2013.821730

14

Anguelovski I, Chu E, Carmin J. Variations in approaches to urban climate adaptation: Experiences and experimentation from the global South. Global Environmental Change 2014;**27**:156–67. doi:10.1016/j.gloenvcha.2014.05.010

15

Castán Broto V. Urban Governance and the Politics of Climate change. World Development 2017;**93**:1–15. doi:10.1016/j.worlddev.2016.12.031

16

Dodman D, Colenbrander S, Archer D. Conclusion: Towards adaptive urban governance. In: Responding to Climate Change in Asian Cities
.200–17.<http://www.tandfebooks.com/ISBN/9781315620701>

17

Hardoy J, Gencer E, Winograd M. Participatory planning for climate resilient and inclusive urban development in Dosquebradas, Santa Ana and Santa Tomé. Environment and Urbanization 2019;**31**:33–52. doi:10.1177/0956247819825539

18

Béné C, Mehta L, McGranahan G, et al. Resilience as a policy narrative: Potentials and limits in the context of urban planning. *Climate and Development* 2017;**10**:116–33. doi:10.1080/17565529.2017.1301868

19

Dodman D, Archer D, Satterthwaite D. Editorial: Responding to climate change in contexts of urban poverty and informality. *Environment and Urbanization* 2019;**31**:3–12. doi:10.1177/0956247819830004

20

Tyler S, Moench M. A framework for urban climate resilience. *Climate and Development* 2012;**4**:311–26. doi:10.1080/17565529.2012.745389

21

Dobson S, Nyamweru H, Dodman D. Local and participatory approaches to building resilience in informal settlements in Uganda. *Environment and Urbanization* 2015;**27**:605–20. doi:10.1177/0956247815598520

22

Jabeen H. Gendered space and climate resilience in informal settlements in Khulna City, Bangladesh. *Environment and Urbanization* 2019;**31**:115–38. doi:10.1177/0956247819828274

23

Moench M, Khan F, MacClune K, et al. Transforming vulnerability: shelter, adaptation, and climate thresholds. *Climate and Development* 2017;**9**:22–35. doi:10.1080/17565529.2015.1067592

24

Mulligan J, Harper J, Kipkemboi P, et al. Community-responsive adaptation to flooding in Kibera, Kenya. *Proceedings of the Institution of Civil Engineers - Engineering Sustainability* Published Online First: 6 June 2016. doi:10.1680/jensu.15.00060

25

Chu E, Anguelovski I, Carmin J. Inclusive approaches to urban climate adaptation planning and implementation in the Global South. *Climate Policy* 2016;**16**:372–92.
doi:10.1080/14693062.2015.1019822

26

Dodman D, Diep L, Colenbrander S. Making the case for the nexus between resilience and resource efficiency at the city scale. *International Journal of Urban Sustainable Development* 2017;**9**:97–106. doi:10.1080/19463138.2017.1345740

27

Hardoy J, Ruete R. Incorporating climate change adaptation into planning for a liveable city in Rosario, Argentina. *Environment and Urbanization* 2013;**25**:339–60.
doi:10.1177/0956247813493232

28

Shi L, Chu E, Anguelovski I, et al. Roadmap towards justice in urban climate adaptation research. *Nature Climate Change* 2016;**6**:131–7. doi:10.1038/nclimate2841

29

Ayers J. International funding to support urban adaptation to climate change. *Environment and Urbanization* 2009;**21**:225–40. doi:10.1177/0956247809103021

30

Horstmann B, Abeyasinghe AC. The Adaptation Fund of the Kyoto Protocol: A model for financing adaptation to climate change? *Climate law* 2011;**2**:415–37.
doi:10.3233/CL-2011-043

31

Satterthwaite D. Getting local governments, residents and enterprises to respond to the

new IPCC assessment. *Environment and Urbanization* 2014;**26**:3–10.
doi:10.1177/0956247814522386

32

Galvin R. Developing a critical model to evaluate the appropriateness of local body climate protection policies: the case of Freiberg. 2009;**CSERGE Working Paper EDM 09-09**.

33

Satterthwaite D, Dodman D. 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. 73–89.

34

Satterthwaite D. 8 points on financing climate change adaptation in urban areas. International Institute for Environment and Development.
20AD.<http://www.iied.org/8-points-financing-climate-change-adaptation-urban-areas>

35

D. Satterthwaite , D. Dodman , J. Bicknell . Conclusions: Local Development and Adaptation. In: *Adapting cities to climate change: understanding and addressing the development challenges*. London: : Earthscan 2009. 359–83.

36

Newman P. The environmental impact of cities. *Environment and Urbanization* 2006;**18**:275–95. doi:10.1177/0956247806069599

37

Sultana F. Gendering Climate Change: Geographical Insights. *The Professional Geographer* 2014;**66**:372–81. doi:10.1080/00330124.2013.821730

38

Hardoy J, Pandiella G. Urban poverty and vulnerability to climate change in Latin America. *Environment and Urbanization* 2009;**21**:203–24. doi:10.1177/0956247809103019

39

Fisher S. Exploring nascent climate policies in Indian cities: a role for policy mobilities? *International Journal of Urban Sustainable Development* 2014;**6**:154–73. doi:10.1080/19463138.2014.892006

40

da Silva J, Kernaghan S, Luque A. A systems approach to meeting the challenges of urban climate change. *International Journal of Urban Sustainable Development* 2012;**4**:125–45. doi:10.1080/19463138.2012.718279

41

Satterthwaite D. Getting local governments, residents and enterprises to respond to the new IPCC assessment. *Environment and Urbanization* 2014;**26**:3–10. doi:10.1177/0956247814522386