

## Annexure B – Reading List

### Module 5: Climate Change and Urban Energy

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#### 1. Required reading

Droege (ed) (2008) *Urban Energy Transition: From Fossil Fuels to Renewable Power*, Elsevier Science, Oxford

- ▶ Offers a global urban perspective on the debate about urban energy and combines this with with illustrative case studies

Girardet, H., Mendonça, M. (2009). *A Renewable World: Energy, Ecology, Equality - A Report for the World Future Council*. Devon, UK: Green Books Ltd:

[http://www.worldfuturecouncil.org/a\\_renewable\\_world.html](http://www.worldfuturecouncil.org/a_renewable_world.html)

- ▶ *This report develops a novel conceptual understanding of urban energy, resource use and emissions in cities*

Grubler, A., Frisk, D. (Eds.) (2012): *Energizing Sustainable Cities*. Earthscan. London

- ▶ *This book provides a comprehensive overview on urban energy use and the specifics of urban energy demand and supply. Major development and sustainability challenges of cities are assessed in detail and public and private sector opportunities and constraints of sustainability transition examined. It likewise includes technological and policy options and their potentials for reductions in energy use and associated emissions of local pollutants as well as greenhouse gases*

UN Habitat (2011): *Cities and Climate Change. Global Report on Human Settlements 2011*. Earthscan. London

- ▶ *The report, in particular in chapter 3, presents a profound introduction on the links between urban activities, energy consumption and emissions.*

#### 2. Supplementary reading

Bach Tan Sinh and Vu Canh Toan. 2012, *Mainstreaming adaptation into local development plans in Vietnam*, Adaptation Knowledge Platform, Partner Report Series No. 3., Stockholm Environment Institute, Bangkok

Bertaud, A., B. Lefebvre, B. Yuen (2009): GHG emissions, urban mobility and efficiency of urban morphology: A hypothesis. Paper prepared for the Fifth Urban Research Symposium, Cities and Climate Change: Responding to an urgent agenda, 28-30 June, Marseille, France

City of Cape Town (2006): City of Cape Town Energy and Climate Change Strategy, Environmental Planning Department, City of Cape Town, [www.capetown.gov.ca](http://www.capetown.gov.ca)

City of Cape Town (2007): State of the Energy Report for the City of Cape Town 2007. Palmer Development Group, Cape Town, [www.capetown.gov.ca](http://www.capetown.gov.ca)

City of New York (2007): Inventory of New York City Greenhouse Gas Emissions, [www.nyc.gov/html/planyc2030/downloads/pdf/emissions\\_inventory.pdf](http://www.nyc.gov/html/planyc2030/downloads/pdf/emissions_inventory.pdf)

Ciudad de Mexico (2008) Programa de Acción Climática. Gobierno del Distrito Federal, Ciudad de Mexico

C40 Cities Climate Leadership Group, ICLEI Local Governments for Sustainability, In collaboration with: World Bank, UNEP, UN-HABITAT, World Resources Institute (2012): Global Protocol for Community-Scale GHG Emissions (GPC), Version 0.9-March 20

Dodman, D. (2009): Blaming cities for Climate change? An analysis of urban greenhouse gas emissions inventories. *Environment and Urbanization* 21(1): 185-201

Dhakal, S. (2008): Climate Change and Cities: the making of a climate friendly future, in: Droege (ed) *Urban Energy Transition: From Fossil Fuels to Renewable Power*, Elsevier Science, Oxford

Ewing, R. K. Bartholomew, S. Winkelman, J. Walters, D. Chen (2008): *Growing Cooler: The evidence on Urban Development and Climate Change*, Urban Land Institute, Washington D.C.

Foletta, Nicole, and Simon Field (2011): *Europe's Vibrant New Low Car(bon) Communities*, Institute for Transportation and Development Policy

Gartland, L. (2008): *Heat Islands. Understanding and Mitigating Heat in Urban Areas*. Earthscan. London

Government of Singapore (2012): National Climate Change Strategy. <http://app.nccs.gov.sg/page.aspx?pageid=123>

Government of Singapore (2008): National Climate Change Strategy

ICLEI (2012): *Cities in a Post-2012 Climate Policy Framework: Climate Financing for City Development? Views from Local Governments, Experts and Businesses*. ICLEI. Bonn

ICLEI, UN Habitat and UNEP (2009): *Sustainable Urban Energy Planning: A handbook for Cities and Towns in Developing Countries*, UN-Habitat.

- Kennedy, C.A. Ramaswami, S. Caney and S. Dhakal (2009): Greenhouse gas emission baselines for global cities and metropolitan regions, Paper prepared for the Fifth Urban Research Symposium, Cities and Climate Change: Responding to an urgent agenda, 28-30 June, Marseille, France
- Kennedy, C., J. Steinberger, B. Gasson, Y. Hansen, T. Hillman, M. Havranek, D. Pataki, A. Phdungsilp, A. Ramaswami, and G. Villalba Mendez (2009): Greenhouse Gas Emissions from Global Cities, *Environmental Science and Technology* 43 (19): 7297-7302
- Kennedy, C., J. Steinberger (2010): Methodology for inventorying greenhouse gas emissions from global cities, *Energy Policy* (38(9): 4828-4837
- Kenworthy, J. (2006): The eco-city: ten key transport and planning dimensions for sustainable city development, *Environment and Urbanization* 18: 67-85
- Lindfield, M., F. Steinberg (2012): Green Cities, Asian Development Bank, Urban Development Series
- Lenzen, M. C. Dey et al (2004): Energy requirements of Sydney households, *Ecological Economics* 49(3): 375-399
- Moench, M., S. Tyler, et al. (2011): Catalyzing Urban Climate Resilience: Applying Resilience Concepts to Planning Practice in the ACCCRN Program (2009–2011), 306 pp, ISET- Boulder: Bangkok.
- Newman, P., J. Kenworthy (1989): Gasoline Consumption and Cities. A comparison of US cities with a global survey, *Journal of the American Planning Association* 55 (1): 24-37
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- Newman, P. (2006): The environmental Impact of Cities, *Environment and Urbanization* 18 (2): 275-295
- Newman, P. (2010): Green Urbanism and its application to Singapore. *Environment and Urbanization ASIA* 1(2) 149–170
- New York City Panel on Climate Change (2010): Climate Change Adaptation in New York City: Building a Risk Management Response. The New York Academy of Sciences. Vol 1196: 1-354. <http://onlinelibrary.wiley.com/doi/10.1111/nyas.2010.1196.issue-1/issuetoc>
- Kowats, R.S., R. Akhtar (2008): Climate, climate change and human health in Asia Cities, *Environment and Urbanization* 20(1): 165 - 176
- OECD (2010): Cities and Climate Change. OECD Publishing. <http://dx.doi.org/10.1787/9789264091375-en> Rockefeller Foundation 2010: 21

Prasad, Neeraj; Ranghieri, Federica; Shah, Fatima; Trohanis, Zoe; Kessler, Earl; Sinha, Ravi. (2009): Climate Resilient Cities: A Primer on Reducing Vulnerabilities to Disasters. Washington, DC: World Bank.

Stead, D., J. Williams (2000): Land Use, Transport and People. Identifying the connections. Achieving sustainable form. K. Williams, E. Burton, M. Jenks. London. UL, Spon Press. Taylor and Francis

The Academy of Urbanism (2012): The Freiburg Charter for Sustainable Urbanism, <http://www.academyofurbanism.org.uk/freiburg-charter/>

United Nations Human Settlements Programme (2009): Climate Change Strategy 2010-2013

Van de Weghe, J.R., C. Kennedy (2007): A spatial analysis of residential greenhouse gas emission in Toronto Census Metropolitan Area, Journal of Industrial Ecology 11(2): 133-144

WWF International (2009): Mega-Stress for Mega-Cities A Climate Vulnerability Ranking of Major Coastal Cities in Asia

World Bank (2010): Cities and climate change: an urgent agenda, Urban Development Series Knowledge Papers 10. <http://siteresources.worldbank.org/INTUWM/Resources/340232-1205330656272/CitiesandClimateChange.pdf>

World Bank (2011): Cities and climate change: an urgent agenda, Urban Development Series, edited by Daniel Hoornweg et al

World Bank (2010): Eco<sup>2</sup> Cities: Ecological Cities as Economic Cities, <http://www.worldbank.org/pdt>

World Bank (2010): Energy efficient cities: assessment tools and benchmarking practices, edited by Ranjan K. Bose.

World Bank (2011): Guide to Climate Change Adaptation in Cities