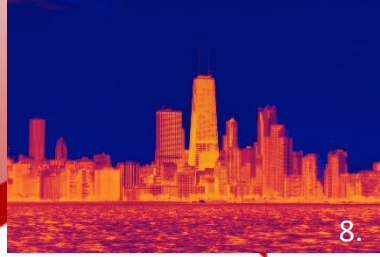


# Urban Environmental Quality in the Eastern Mediterranean and the Middle East

Manfred A. Lange<sup>1,2</sup>, Salvatore Carlucci<sup>1</sup> and Georgios Artopoulos<sup>1</sup>

1) The Cyprus Institute; Nicosia, Cyprus 2) Future Earth MENA Regional Center  
[m.a.lange@cyi.ac.cy](mailto:m.a.lange@cyi.ac.cy) & [manfred.lange@futureearth.org](mailto:manfred.lange@futureearth.org) ; [s.carlucci@cyi.ac.cy](mailto:s.carlucci@cyi.ac.cy); [g.artopoulos@cyi.ac.cy](mailto:g.artopoulos@cyi.ac.cy)



• Urban environment ↔ Lifestyle and quality of life  
 • Demographic changes  
 • Increasing rate of urbanisation  
 • Various, interconnected processes and feedbacks



## Major Urban Environmental Threats and Possible Remedies

Environmental Threats	Possible Remedies
Increasing mobility/traffic (3)	E-mobility; increased public transport; more bikes
Poor air quality (smog; 9)	Reduce emissions of exhaust; create sinks
Major dust storms (4)	Early warning; free protective measures (face masks)
Rising volumes of solid & liquid waste (2, 5)	Avoid-Reduce-Reuse-Recycle
Climate Change and Heat Waves (6, 8)	Adaptation: reflective coatings; green roofs; “cool” asphalt
Water Scarcity (7)	Reduce consumption; recycle; rain water harvesting

Picture Sources:

- <https://www.maxpixel.net/static/photo/2x/Buildings-Tree-City-Structures-Urban-Skyscrapers-6004218.jpg>;
- [https://upload.wikimedia.org/wikipedia/commons/2/2e/Low9AppliancePiles2\\_\(1\).jpg](https://upload.wikimedia.org/wikipedia/commons/2/2e/Low9AppliancePiles2_(1).jpg);
- [https://upload.wikimedia.org/wikipedia/commons/7/7a/Traffic\\_jam\\_Bangkok.JPG](https://upload.wikimedia.org/wikipedia/commons/7/7a/Traffic_jam_Bangkok.JPG)
- NASA Modis; 30.09.2011; <https://www.visibleearth.nasa.gov/images/52359/dust-over-the-eastern-mediterranean-sea/52360w>
- [https://elimumfeynman.s3.amazonaws.com/media/uploads/science/water\\_pollution.jpg](https://elimumfeynman.s3.amazonaws.com/media/uploads/science/water_pollution.jpg)
- <https://media.beam.usnews.com/bd/68/93a0eb354d3bb77681742a5d1cad/150709-climatechange-stock.jpg>
- <https://mronline.org/wp-content/uploads/2018/04/Water-Tending-2-350x238.png>
- [https://c1.staticflickr.com/3/2493/4027763485\\_9570dd5f07\\_b.jpg](https://c1.staticflickr.com/3/2493/4027763485_9570dd5f07_b.jpg)
- <https://www.mrgscience.com/uploads/2/0/7/9/20796234/2557492.jpg>