

Urbanizzazione e salute

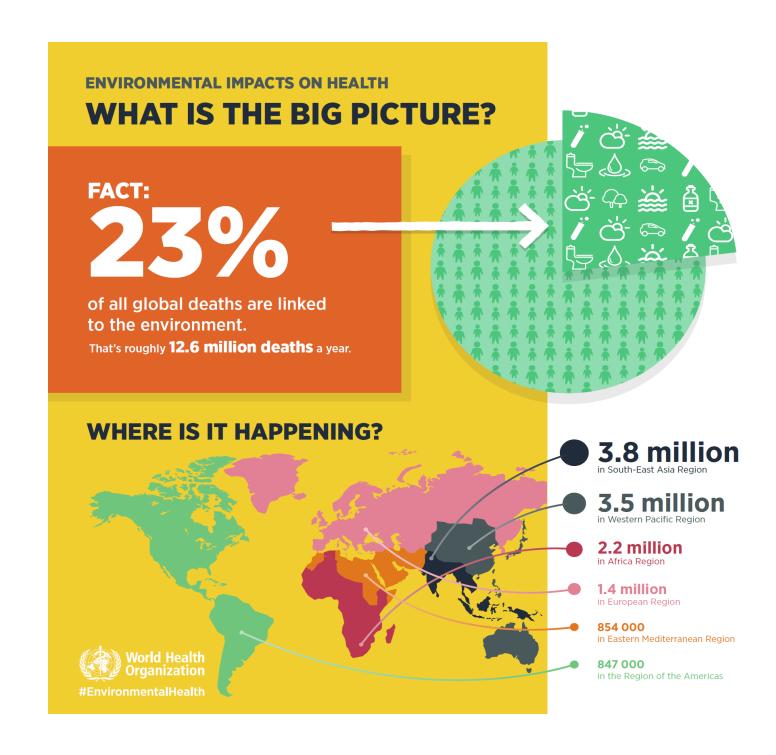
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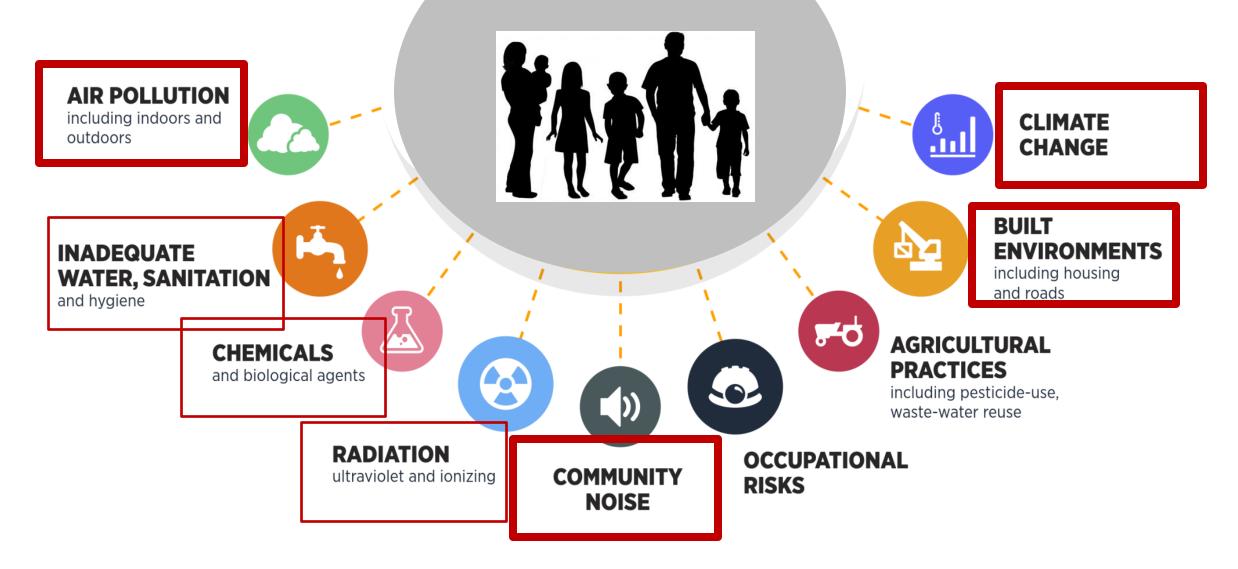








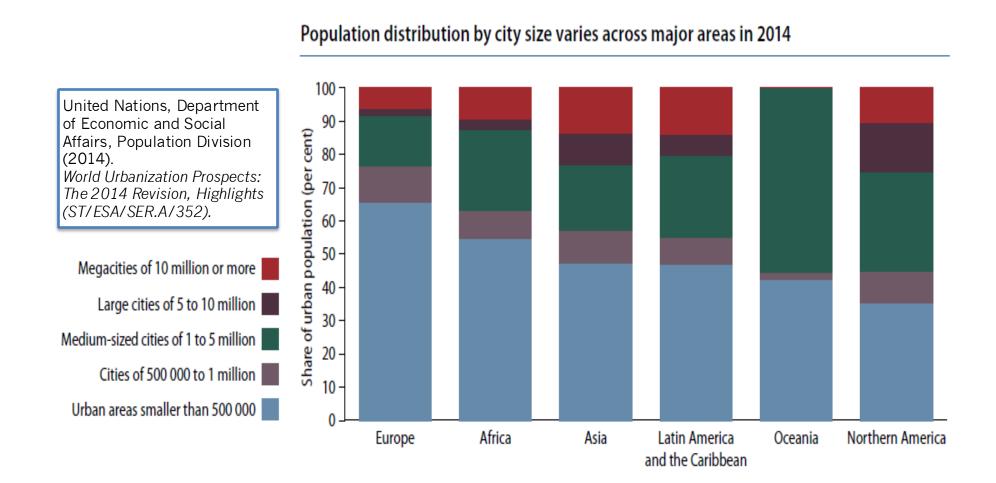
How the environment affects health





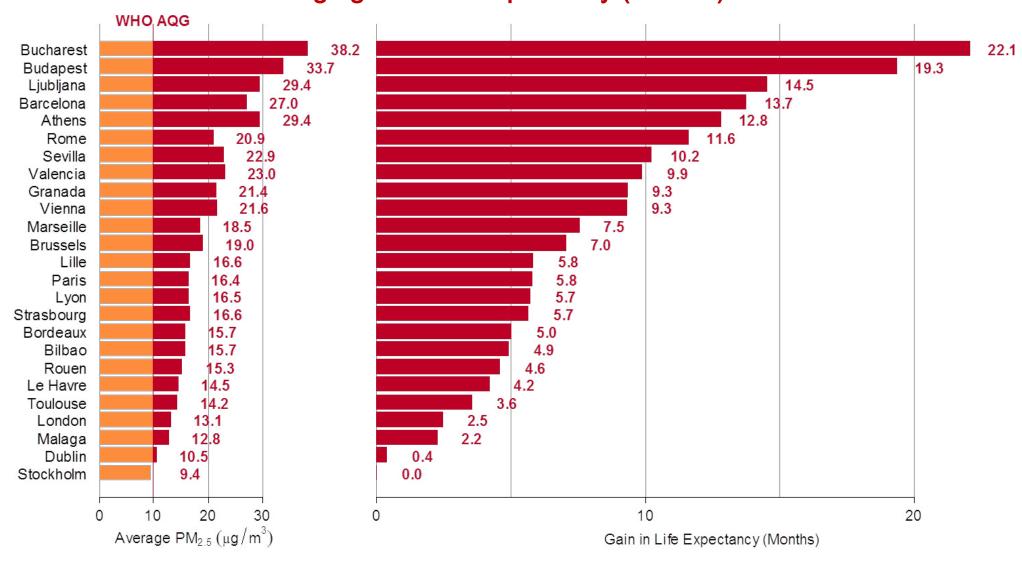


By 2030, 80% of Europeans will live in cities





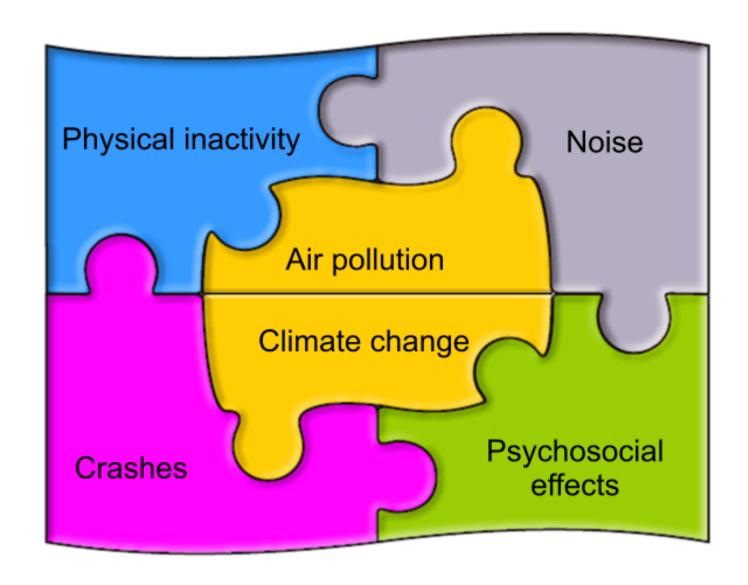
Predicted average gain in life expectancy (months) in 25 cities



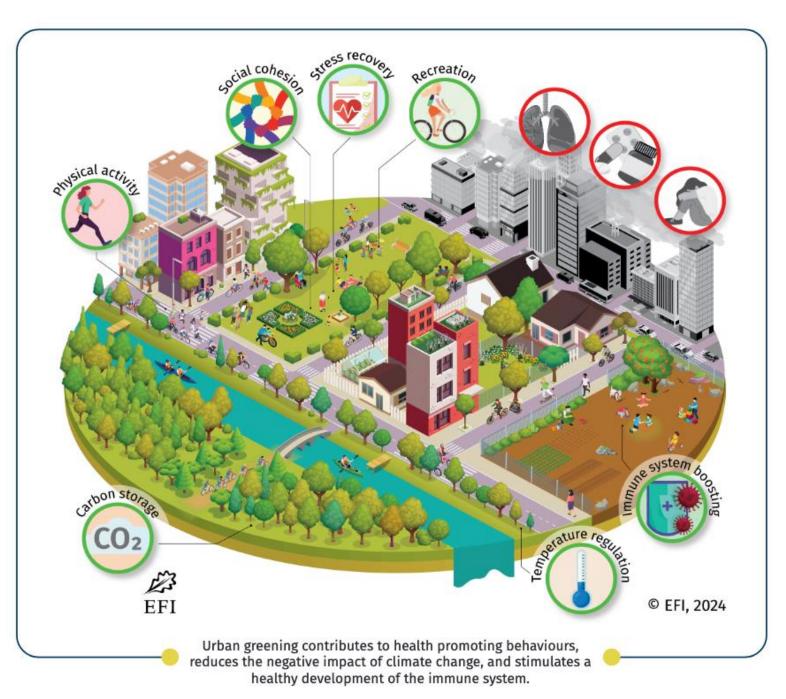


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Transport and health







Van den Bosch 2024 https://doi.org/10.36333/





Art work by Anne Cleary

Green space – pathways to health



Reduced urban heat island effect (e.g. Bowler et al,.



Flood mitigation



Improved air quality (e.g. Nowak et al.,



Anthropogenic noise buffering and production of pleasant sounds (e.g. Pathak et al., 2008)

Social

interaction

(e.g. Maas et al.,

Enhanced nature

(e.g. Cleary et al., 2017)

connection



Exposure to diverse microbiota (e.g. von Hertzen et al., 2015)



Community Cohesion (e.g. Weinstein et al., 2015)



Stress reduction (Ulrich et al., 1991)



Promotion of physical



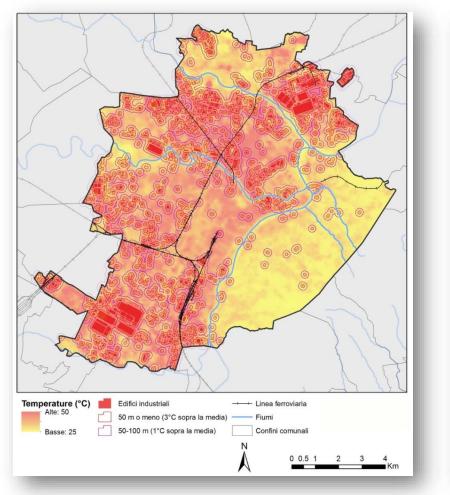


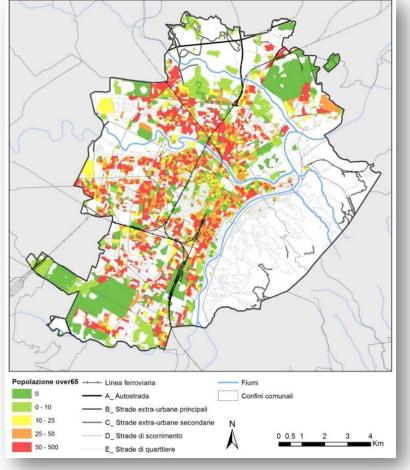
Attention restoration (Kaplan, 1995)





Heat vulnerability



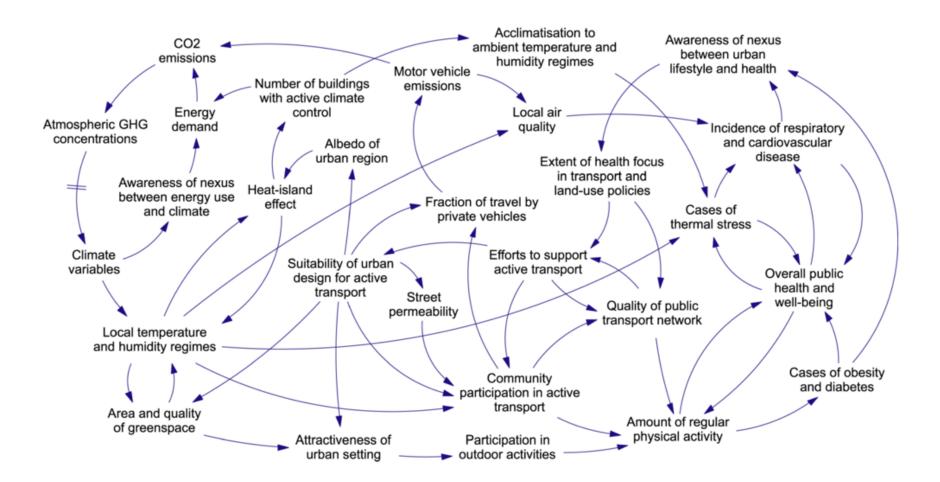


Turin, Italy – Courtesy Enrico Gallo, City of Turin





Causal structure of urban climatehealth systems (Proust 2012)







Planetary boundaries (Richardson 2023)

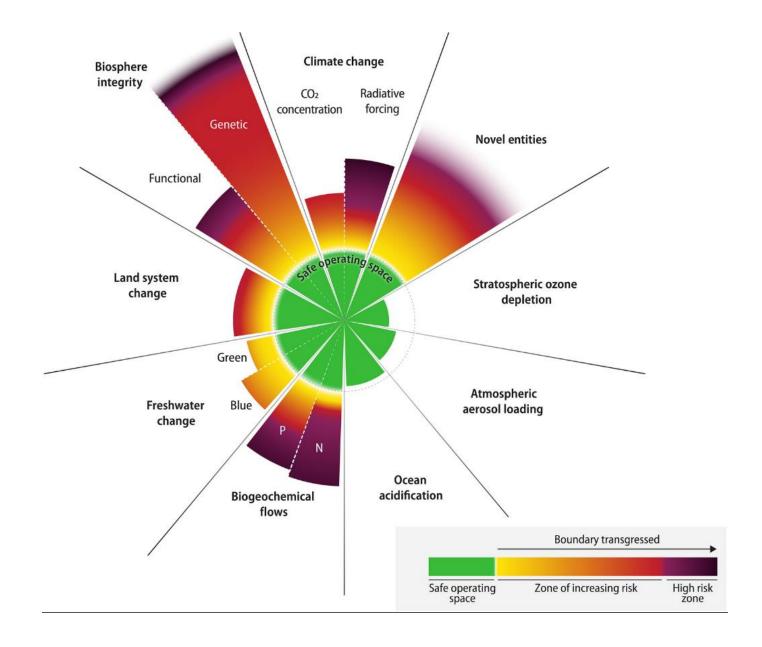
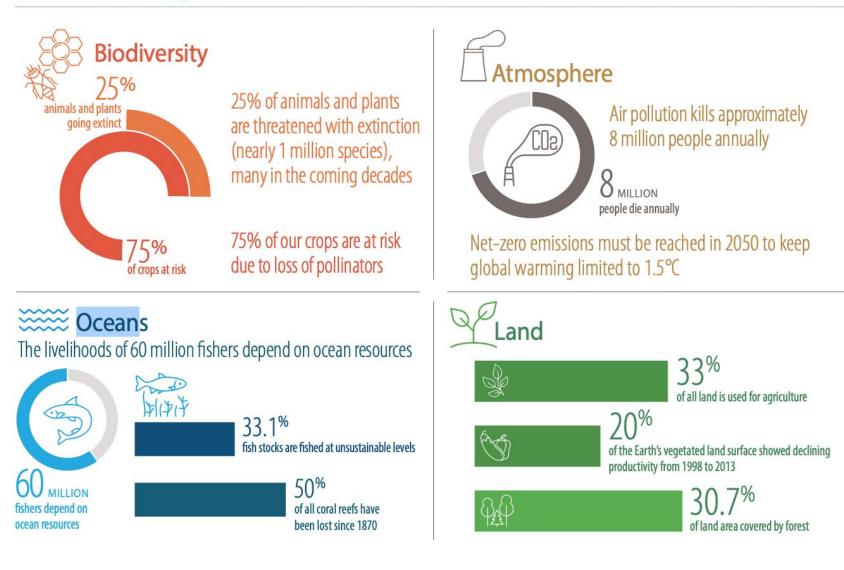






Figure 2-15: Human survival and the global commons



UN, The Future is Now, 2019









Cities as the solution

- Smart city design can and must be the engine of the "ecological transition"
- Key example: green/blue spaces as nature-based solutions
- Urban heat islands; synergistic effects between air, temp, deprivation, building quality etc
- Key role of transport



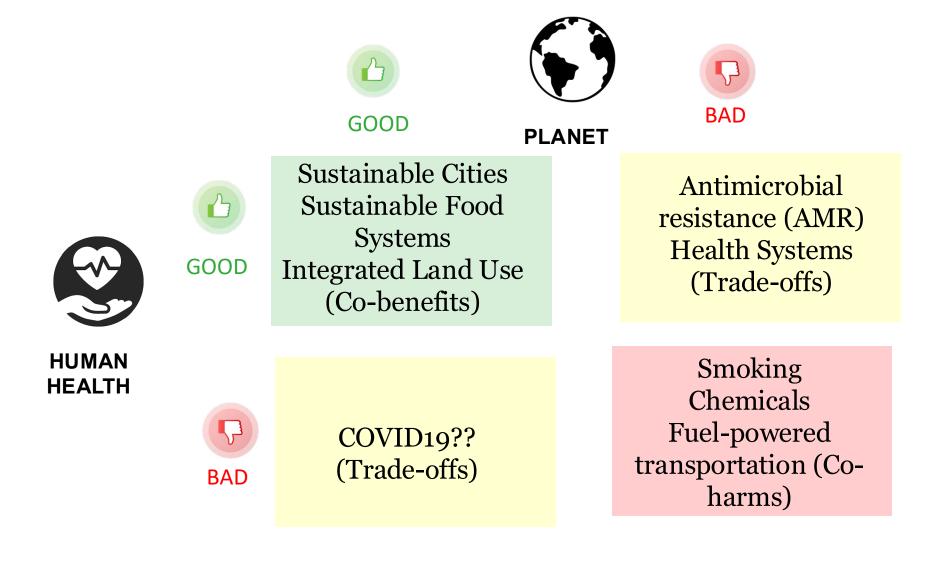
Cont

- Phenomenal source of high resolution data, existing and to be collected (eg big data)
- Production of new valuable, policy-relevant quality evidence
- Multidisciplinarity at work (eg architects, botanicists in Climactions)
- Realistic





Implementation Challenge: A Practice Agenda for Planetary Health



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