Better Urbanization for Better Water Outcomes

Why Urban Planning Matters for Water

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Smart solutions in water and waste management for liveable cities Seminar
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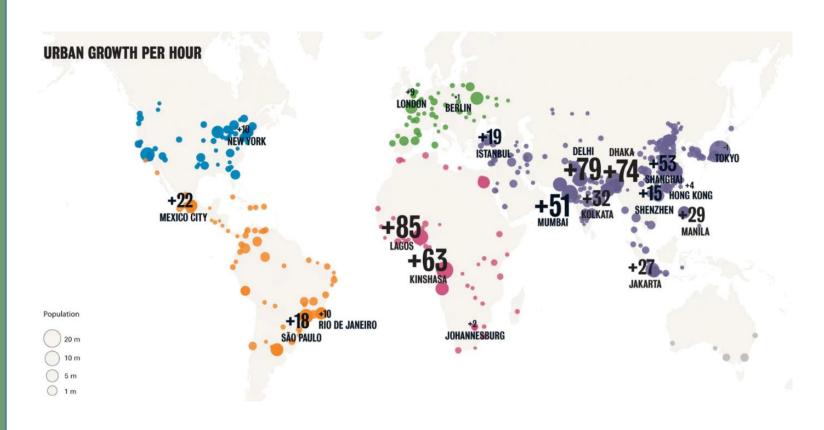
From Great Challenges to Great Opportunities





- 54% urban world
- Pace 11x faster in Africa than Europe
- Secondary Cities > Megacities
- Population doubling 2010 2050
- Little good planning laissez-faire results
- Growing socio-economic inequalities
- Inordinate consumption footprints
- Inordinate economic value

Urbanization Global Trends



https://www.theguardian.com/cities/2015/nov/23/cities-in-numbers-how-patterns-of-urban-growth-change-the-world#img-1



Urbanization Global Trends

SPRAWL

Key Facts

- To 2050, land consumed at 2.5x Population Growth
- Driven by private>public interest

Implications for Water

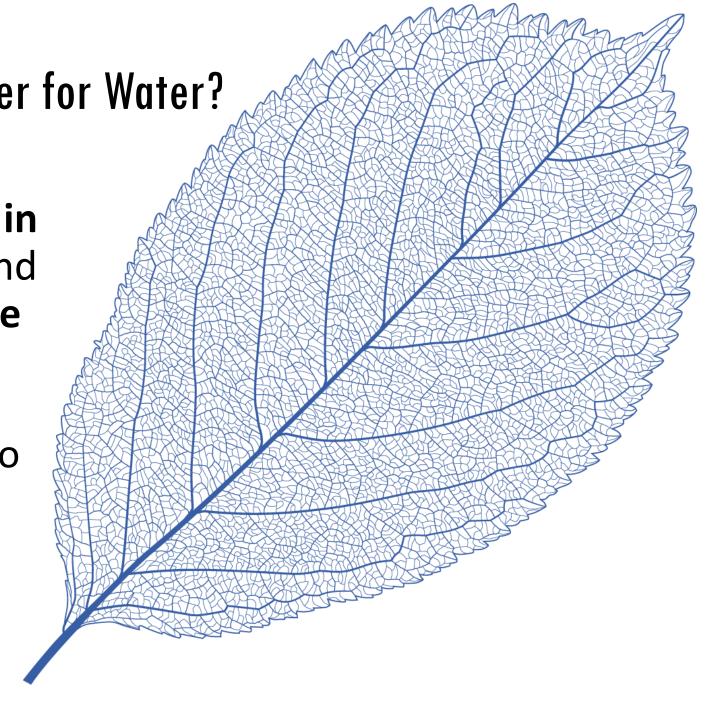
- Increased per capita infrastructure costs
- Increased resources consumption (water + energy)
 - Lost in transmission
 - 'watering the lawn'
- Destruction of ecologically significant land
- Foreclosing on nature based solutions
- Increased car use
 - More pavement, Reduced infiltration
 - Increased cc inducing ghg emissions





Why Does Urban Form Matter for Water?

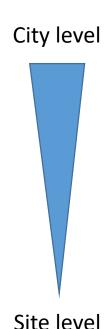
Urban form and infrastructure choices lock in socially, environmentally and economically unsustainable water outcomes and diminish the potential of cities to serve as solutions to water challenges.





Planning Principles that Favour Water Outcomes

- Compact and Contained Urban Form
- Preservation of Natural Spaces
- Intensification of urban nodes
- Landscape mosaic
- Mixed-use
- Permeability
- Capture and reuse resources and technologies
- Nature-based infrastructure
- semi/de-centralization





The New Urban Agenda and the SDGs



- Urbanization protects and promotes **HUMAN RIGHTS & RULE OF LAW**
- Ensure equitable urban development
- Empower civil society, expand democracy
- Promote environmental sustainability
- Promote innovation & learning







8 DECENT WORK AND ECONOMIC GROWTH



























Local

Water Actors moving the New Urban Agenda forward

- Embrace the opportunities of cities
- Beware the Buzzwords!
- Engage in PLANNING
- Go beyond your sector
- Seek local solutions to global challenges
- Share solutions with others!
- Leave no one Behind



Thank you