SuSanA North America Meeting Columbia University, March 19 2023











- Principles support city leaders ensure that everyone in their cities has access to safe water and sanitation.
- The Principles aim to mainstream a "City Water Language", bringing people together for resilient city planning and guiding the urban water revolution needed to build the cities of the future.
- By *endorsing the Principles* (on behalf of a city, an organisation or as a water professional), one can become an *"Actor of Change"*, to accelerate the transition to water-wise cities through their work and influence.

Cumulative Socio-Political Drivers Water supply Public health Flood protection Social amenity. Limits on natural Intergenerational access and Protection environmental resources equity, resilience security protection to climate change Drained Waterways Water Cycle Water Sensitive Adaptive, multifunctional fit-for-purpose infrastructure & urban design sources & end-Point & diffuse Supply Seperate reinforcing water use efficiency, Drainage hydraulics sewerage source pollution sensitive values & waterway health channelisation schemes management restoration behaviours

Source: CRC for Water Sensitive Cities (adapted from Wong and Brown, 2009)





17 Principles for Water-Wise Cities

1 Regenerative Water Services

- Replenish Waterbodies and their Ecosystems
- Reduce the Amount of Water and Energy Used
- · Reuse, Recover, Recycle
- Use a Systemic Approach
 Integrated with Other Services
- Increase the Modularity of Systems and Ensure Multiple Options

2 Water Sensitive Urban Design

- Enable Regenerative Water Services
- Design Urban Spaces to Reduce Flood Risks
- Enhance Liveability with Visible Water
- Modify and Adapt Urban Materials to Minimise Environmental Impact

3 Basin Connected Cities

- Plan to Secure Water Resources and Mitigate Drought
 Protect the Quality of Water
- Resources
- Prepare for Extreme Events

4 Water-Wise Communities

- Empowered Citizens
- Professionals Aware of Water Co-benefits
- Transdisciplinary Planning Teams
- Policy Makers Enabling Water-Wise Action
- Leaders that Engage and Engender Trust





Basin scale (IWRM)

Governance (participatory and inclusive)

IWA INCLUSIVE URBAN SANITATION INITIATIVE



- Launch in 2022, this initiative forms part of IWA's work to promote inclusive, resilient, water-wise and sanitation-secure cities.
- IWA's Inclusive Urban Sanitation initiative aims to reshape the global agenda on urban sanitation over the coming years, looking beyond technology and the usual focus on building infrastructure.
- Inclusivity requires a *wider approach*, including governance mechanisms, laws and regulations that clarify the mandate for safe and inclusive services, understanding how operators can be organized and incentivized, and how individual contributions and needs must be aligned and supported.

https://iwa-network.org/projects/inclusive-sanitation/

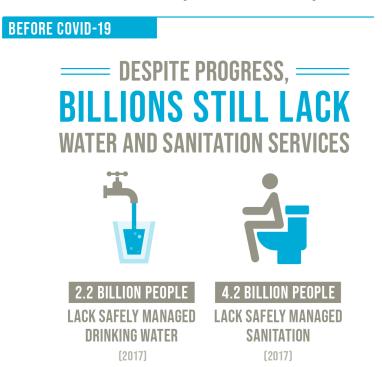


IWA INCLUSIVE URBAN SANITATION INITIATIVE



The IWA Water Wise Cities Principles support city leaders ensure that everyone in their cities has access to safe water and sanitation.

The Sustainable Development Goals Report 2020



Can the Principles really contribute to ensure universal access to safe water & sanitation services?





17 Principles for Water-Wise Cities

Regenerative Water Services

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- Reduce the Amount of Water and Energy Used
- · Reuse, Recover, Recycle
- · Use a Systemic Approach **Integrated with Other Services**
- Increase the Modularity of **Systems and Ensure Multiple** Options



City scale (utilities/service providers)

2 Water Sensitive Urban Design

- Enable Regenerative Water Services
- . Design Urban Spaces to Reduce Flood Risks
- . Enhance Liveability with **Visible Water**
- · Modify and Adapt Urban **Materials to Minimise Environmental Impact**

- Plan to Secure Water **Resources and Mitigate Drought**
- Resources
- Prepare for Extreme Events

3 Basin Connected Cities

- · Protect the Quality of Water

Water-Wise Communities

- Empowered Citizens
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City scale (urban planners)

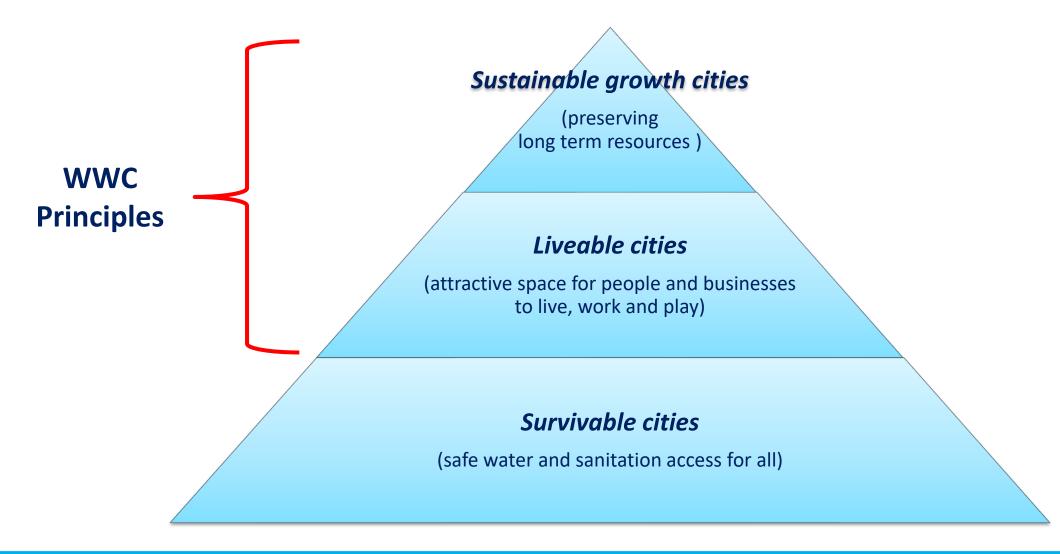


Basin scale (IWRM)



Governance (participatory and inclusive)

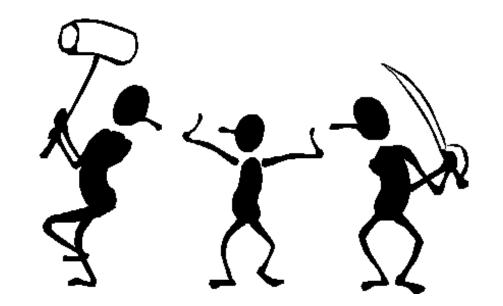






How could the Principles address sanitation?

"We need to decolonize the Water Wise Cities Principles!"



"The Principles don't needed to be reviewed.

It's just a matter of stating that they were built on the assumption that SDG 6.1 and 6.2 were achieved."



Key outputs from the Copenhagen dialogue:

- Definitions of water & sanitation vary across different contexts.
- Need to consider clear/inclusive messaging/terminologies for drinking water, sanitation, wastewater, and drainage, as they are highly interconnected.
- Communication should holistically focus on water and sanitation service delivery within the context of sustainable development goals.
- Need to consider all contexts: HIC and LMIC.
- What needs to be done: open discussion, to be continued ...

THE IWA 2023 WDC&E







sustainable sanitation alliance



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