# Closing urban water cycles transforming urban water solutions

### Stockholm World Water Week 2018 28-08-2018





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# Changing urban landscapes...

- Population / urban growth
- Climate change
- → Water scarcity, floods, pollution problems



Dharavi, India. YGLvoices – Flickr



Sacramento, CA Kevin Cortopassi. CC BY-ND 2.0

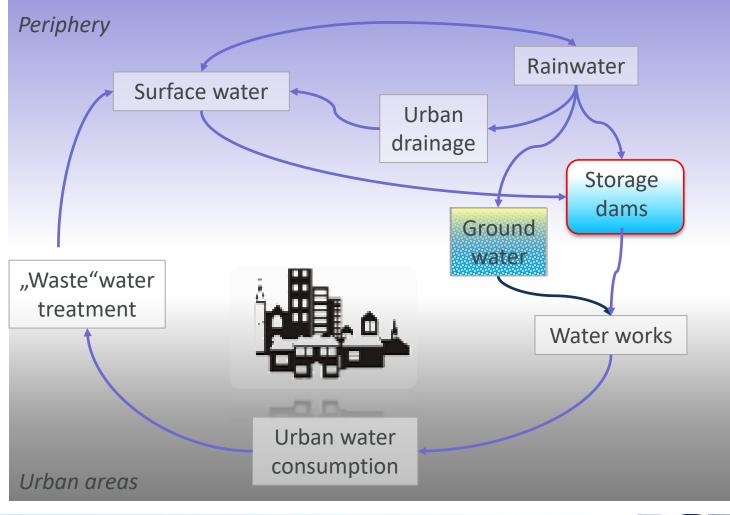


Cape Town Discott, Wikimedia CC



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### The "traditional" urban water cycle

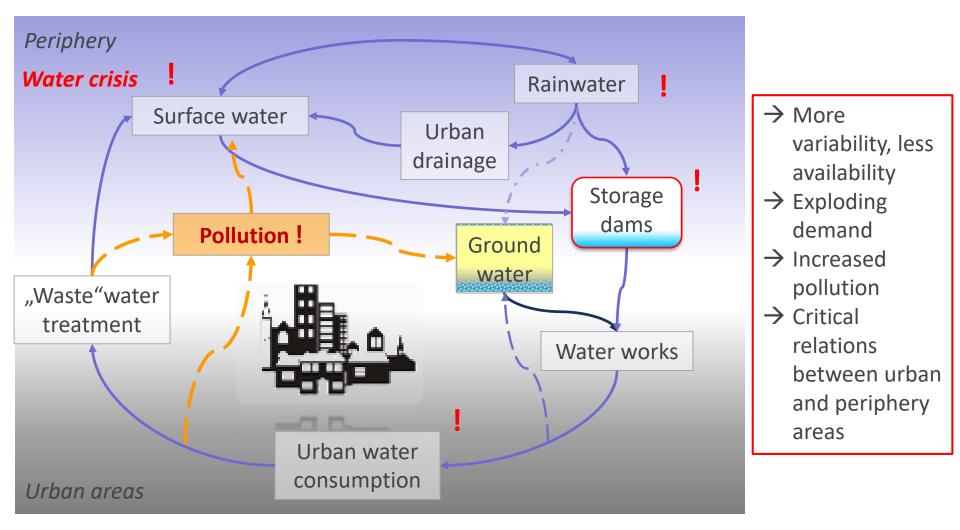


- Hydraulic mission / Large technical systems
- Water supply: seen as an engineering and administrative issue



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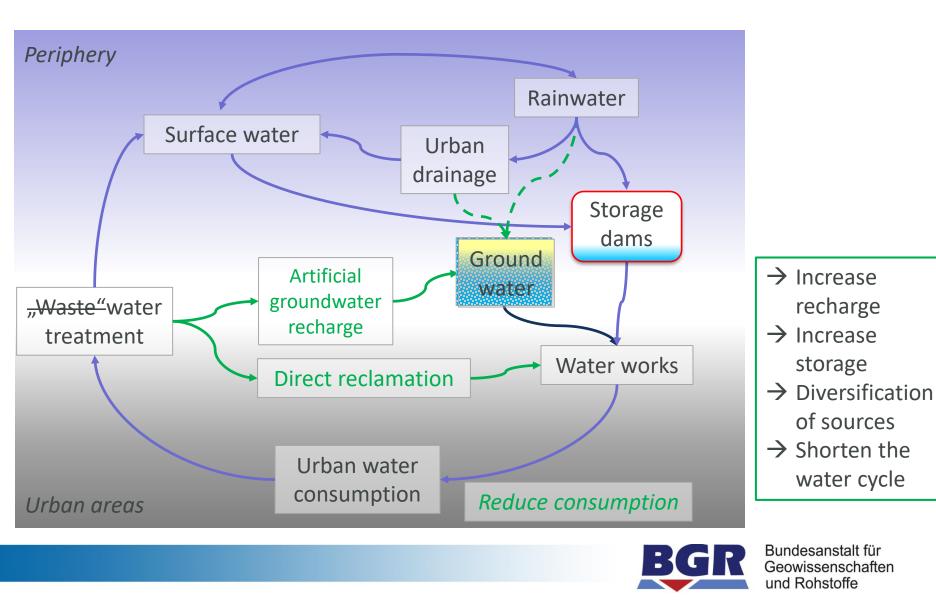
### The cycle is facing problems...



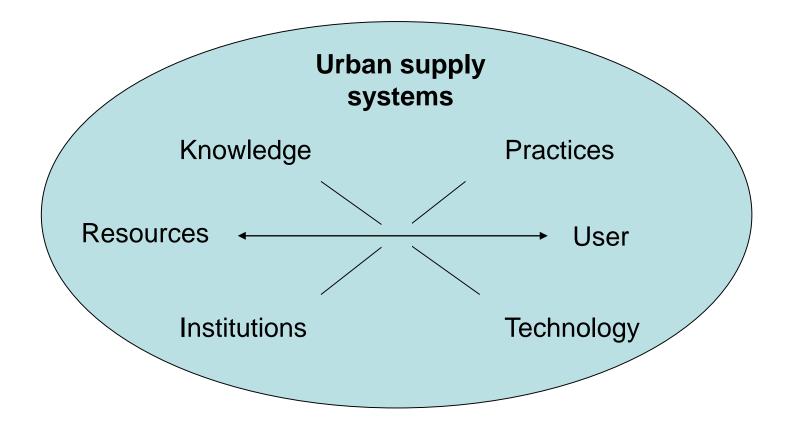


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#### Transforming solutions...



# What is the transformation about...



based on Lux et al. 2006



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# **Open questions**

- Coherence between institutions and technologies
  - What are the challenges for utilities and public authorities with new technologies?
- Relation between centralized and decentralized approaches?
- Relation between green and grey infrastructure?



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