



**ADDRESSING ENVIRONMENTAL
ISSUES IN CITIES**

WATER MANAGEMENT

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WHAT I'LL TALK ABOUT



- Issues...
- The Water Cycle
- Cycling is about balance
- Final thoughts

Disclaimer



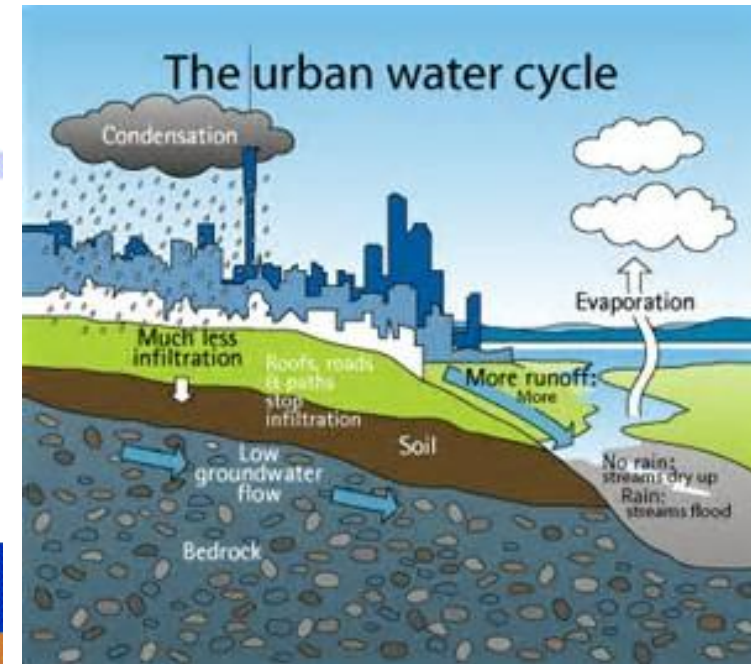
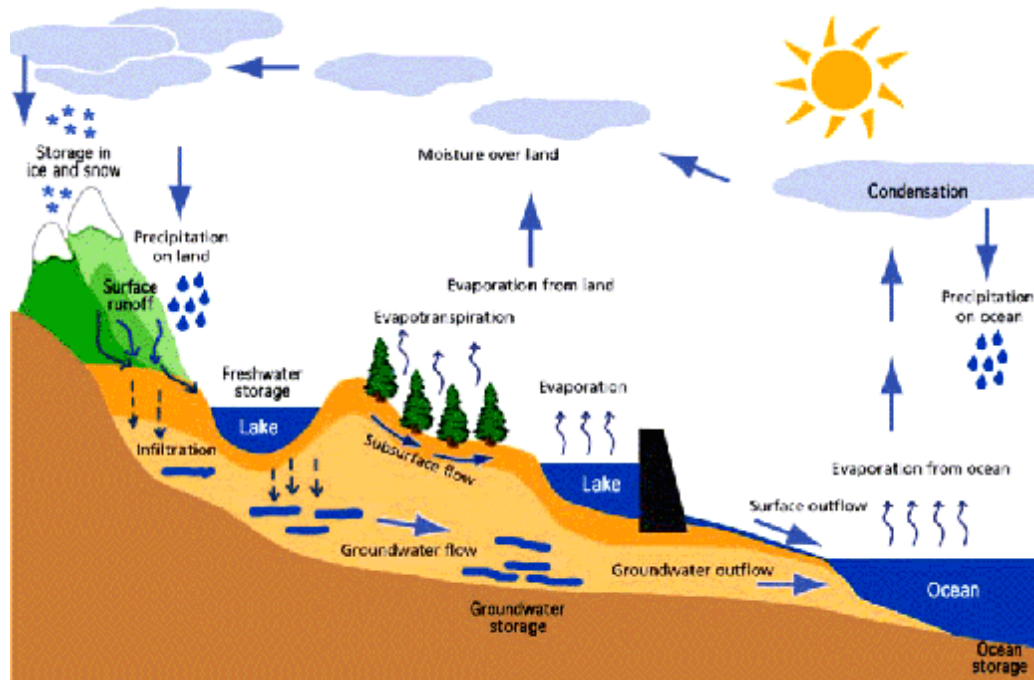
- These are my thoughts
- The madder the thought, the more it is mine
- If I misrepresent anyone or anything then I'm sorry
- What I say today may not be an Envireau Ltd company view
- OK with that?

ISSUES

- Flooding from rivers
- Flooding from groundwater
- Flooding from rainfall
- Water supply
- Contamination & pollution
- Sewage & dirty water drainage
- Treatment & discharge
- Energy

.... and the list continues ...

THE WATER CYCLE



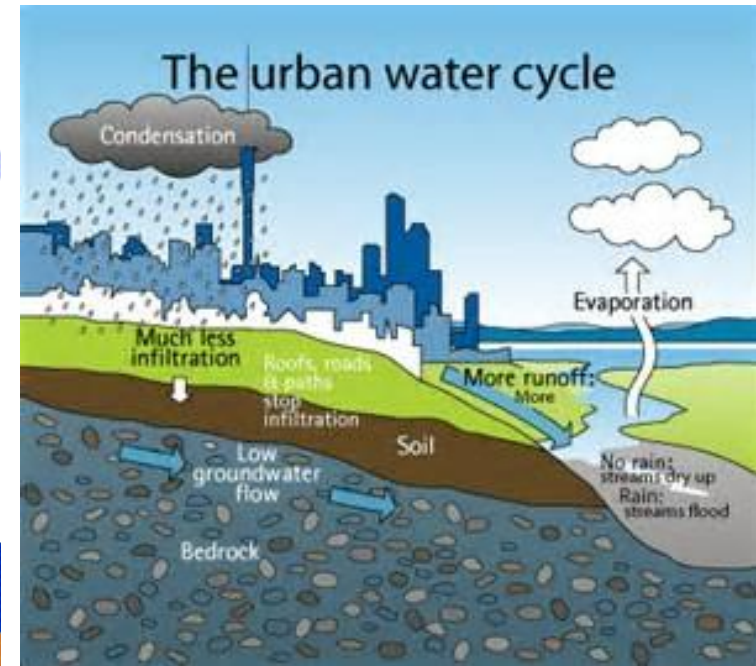
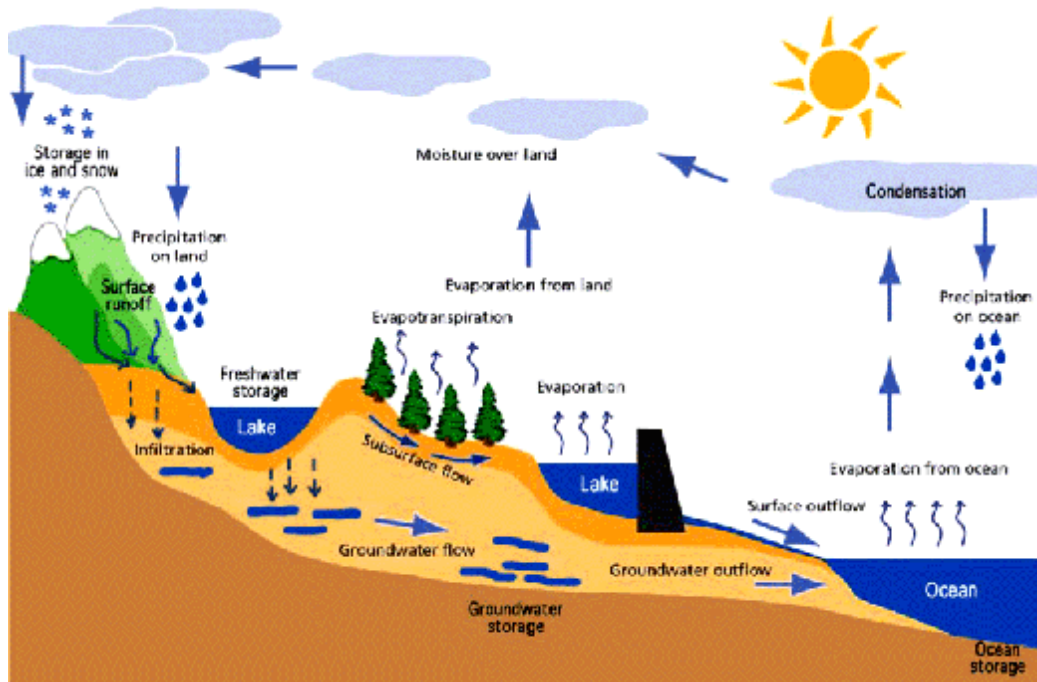
- It's a true cycle
- Almost all the water on earth has been here since the beginning
- If you change one bit, it effects another
- It's scalable

CYCLING IS ABOUT BALANCE

envireau[💧]
WATER



MANAGING THE BALANCE



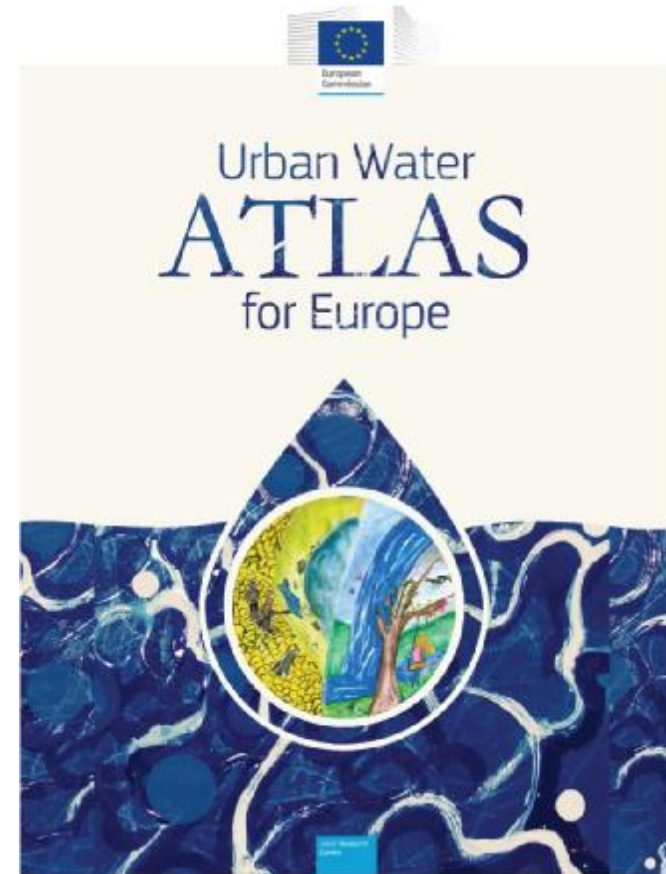
- If you change one bit it effects another, and this can be both positive and negative
- You can do lots of little bits, but you have to tackle the big bits
- The key will be bringing it together, thinking holistically

FINAL THOUGHTS

- The “system” is designed to look at, control & regulate different parts of the system separately
- This is a block on holistic innovation
- Do we need a new system?
- Do we need to couple flooding and water resources?
- How do we link development with an integrated approach?
- Always remember you can't change only one part of the cycle!

QUESTIONS?

Gawlik, B.M., Easton, P., Koop, S.,
Van Leeuwen, K., Elelman, R., (eds.),
2017, Urban Water Atlas for Europe. European
Commission,
Publications Office of the European Union,
Luxembourg. 160 pp.
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