

The Dutch and the battle against the water

The challenges of climate resilient streets in Amsterdam



Question 1 (Slido)

What is the difference between Holland and The Netherlands?

(Open question)



Holland (North- and South)







Amsterdam in prehistoric times



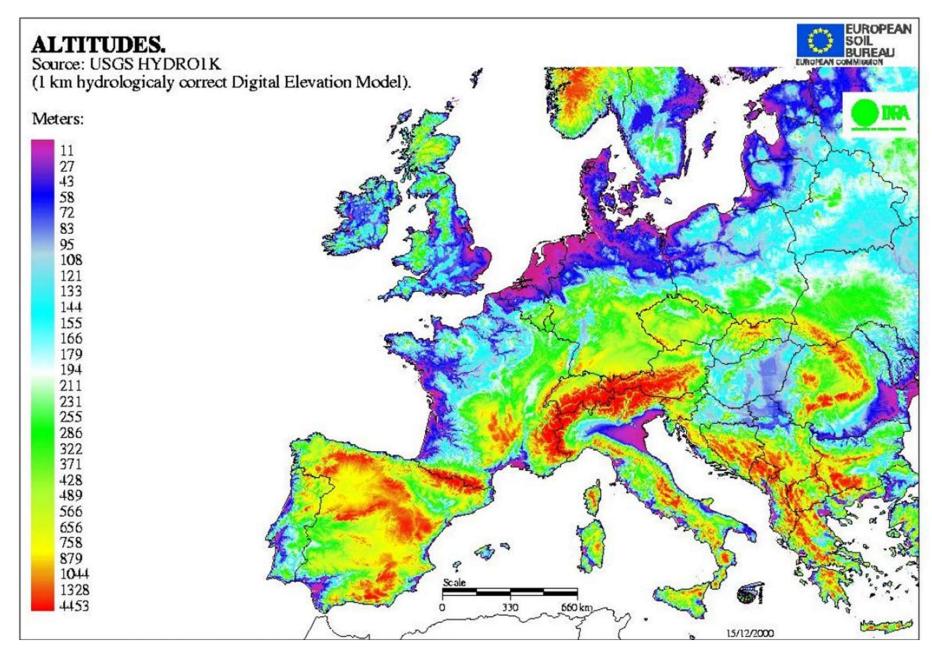


Adaptation to circumstances







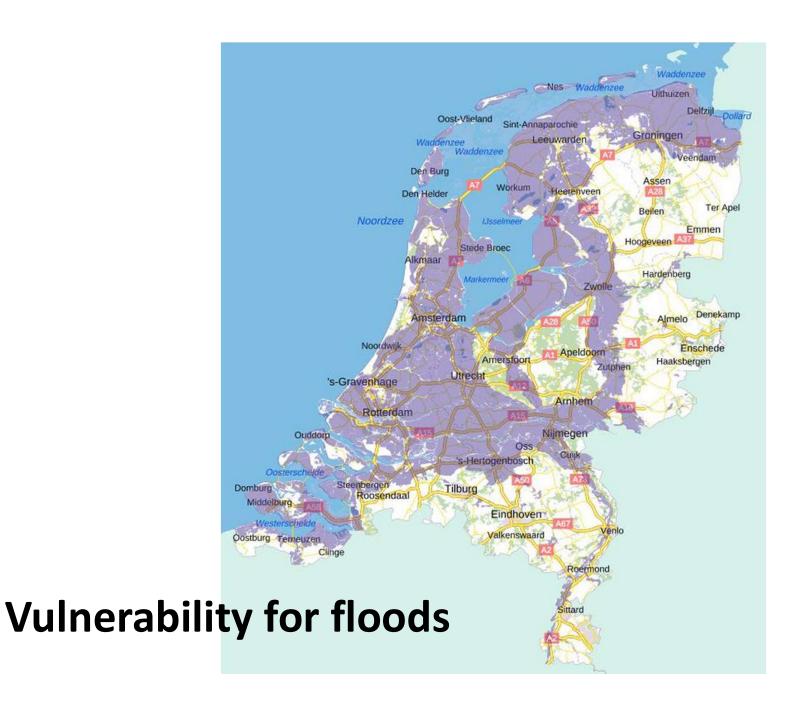




'Netherlands wetlands'

- Rhinedelta
- 26% of the Netherlands is beyond sea level
- 55% of the country is vulnerable for floods (sea or rivers)







Question 2 (Slido)

What is the meaning of Senta's family name: Modder?

A: Mother

B: Mud



Amsterdam at the beginning of the era





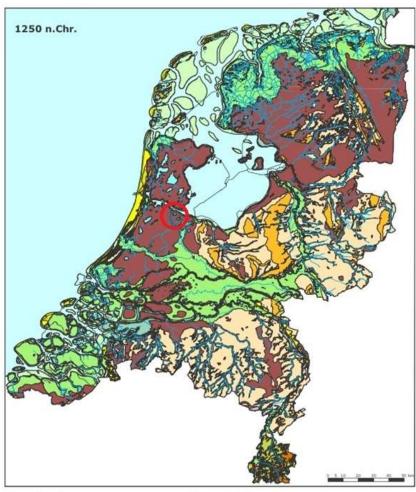
Amsterdam around the year 1000





Amsterdam and it's surroundings after the 'Allsaints flood (1170)







Dam square (1270)





From adaptation to cultivation

In the late middle ages untill contemporary time













Questions (Slido)

- 3. What is the name of this painting?
- 4. Who is the painter?
- 5. When was it painted?



New challenges ahead!















Sponge-City

- Save
- Contain
- Reuse







From cultivation back to adaptation



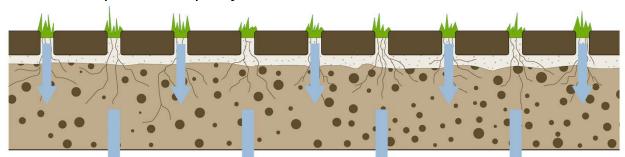
Water storing street





Water passing pavements

1. Wider/open/half-open joints between bricks









Water passing pavements

2. Porous/permeable bricks





Testing testing...



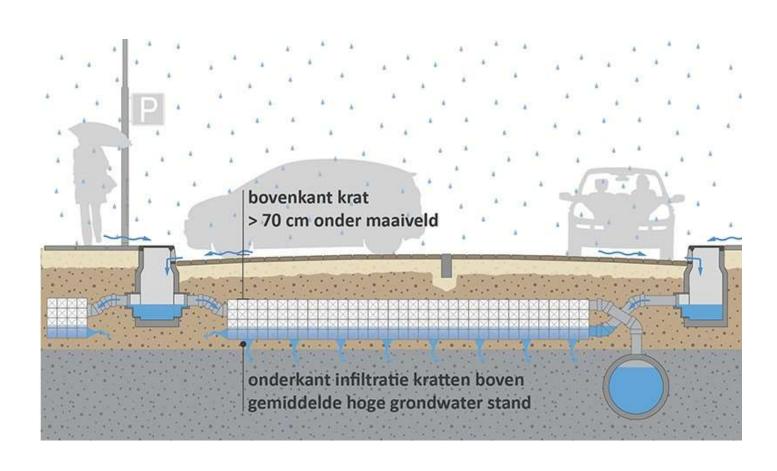


Infiltration crates



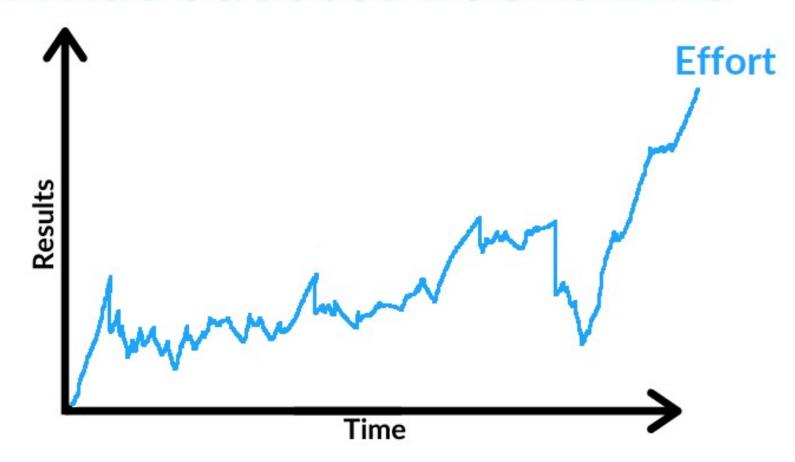


Underground storage capacity



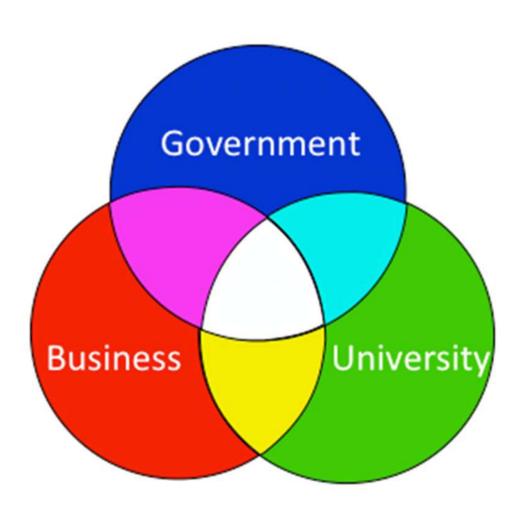


What Success Looks Like

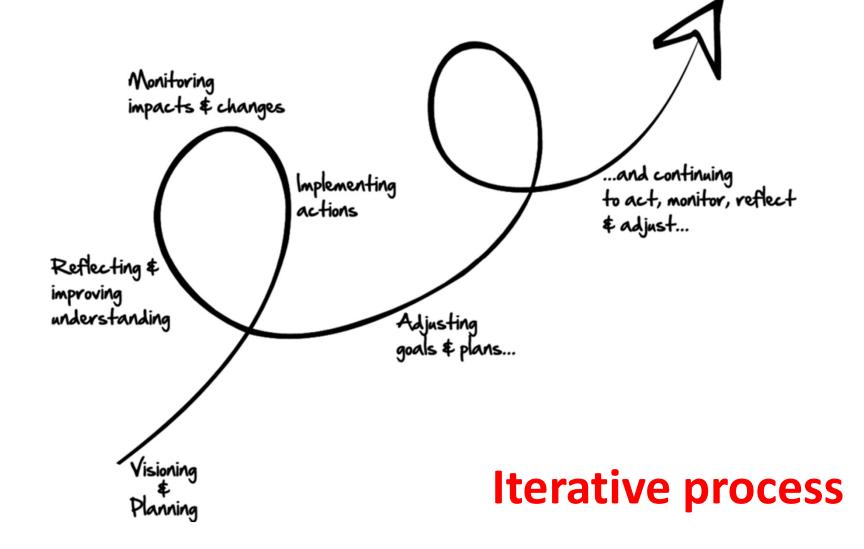




Triple Helix model

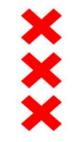












Polop Pop

sponge it up