



Urban climate knowledge in practice

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Working with clients on developing their approach to sustainability strategy. From start-ups to large companies. Based in London and Brussels.

Also:

- Advisory Board Member - FT Sustainable Views
- Established and runs the Sustainable Real Estate group on LinkedIn - now with over 8.5k members
- Writing a book on climate change, insurance, and communities

THE SCALE OF THE CHALLENGE

RESPONSES ACROSS URBAN LANDSCAPES -
EXAMPLES FROM COPENHAGEN TO QUEENSLAND

REFRAMING THE CONVERSATION

THE SCALE OF THE CHALLENGE

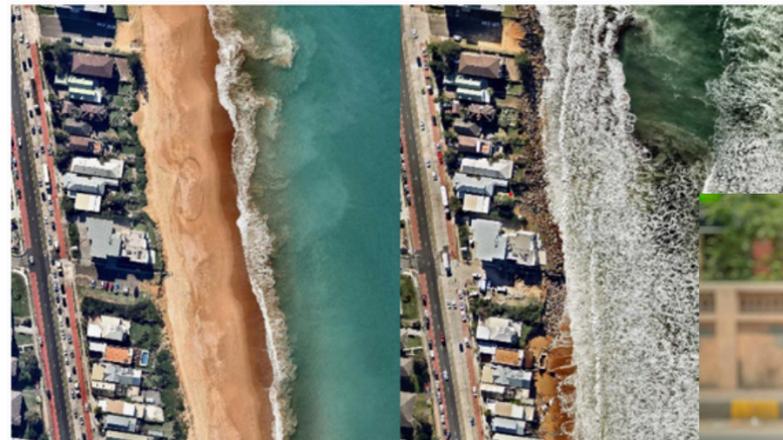
The scale of the challenge

Sea level rise will see 40pc of Australia's beaches lost, predicts new study

By environment reporter Nick Kilvert

ABC Science Science and Technology

Mon 2 Mar 2020



Climate crisis: Scientists spot warning signs of Gulf Stream collapse

A shutdown would have devastating global impacts and must not be allowed to happen, researchers say

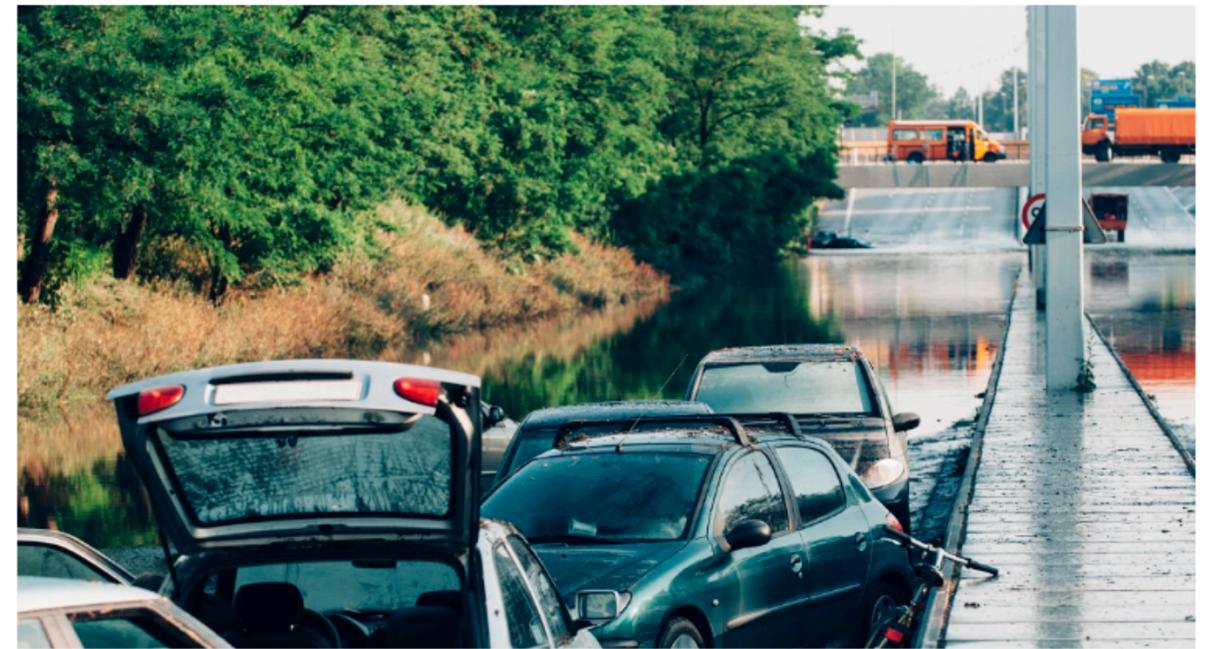


- In 2024, natural disasters cost USD320 billion. USD140 billion were insured costs. These costs are rising year on year.
- Weather related catastrophes accounted for 93% of these losses.
- The global value of the world's property was USD379.7 trillion at the end of 2022, almost four times the size of global GDP.
- Just over three-quarters of the value of real estate is in residential property.

RESPONSES ACROSS URBAN LANDSCAPES -
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Copenhagen

- On 2 July 2011, Copenhagen experienced a cloudburst event.
- Over 200mm rain fell in two hours, resulting in significant flooding in streets and basements. The largest hospital came close to having to be evacuated.
- It was the most costly weather related event in Europe that year, costing EUR1.6 billion.



Getty Images

It is seven o'clock in the evening on July 2nd, 2011. A cloudburst of historic proportions has just struck north of Copenhagen. On the roof of his car, a taxi driver tries to save himself from the floodwaters as rain and hail plunge into the water and cars floating around him on Lyngbyvej.



The response

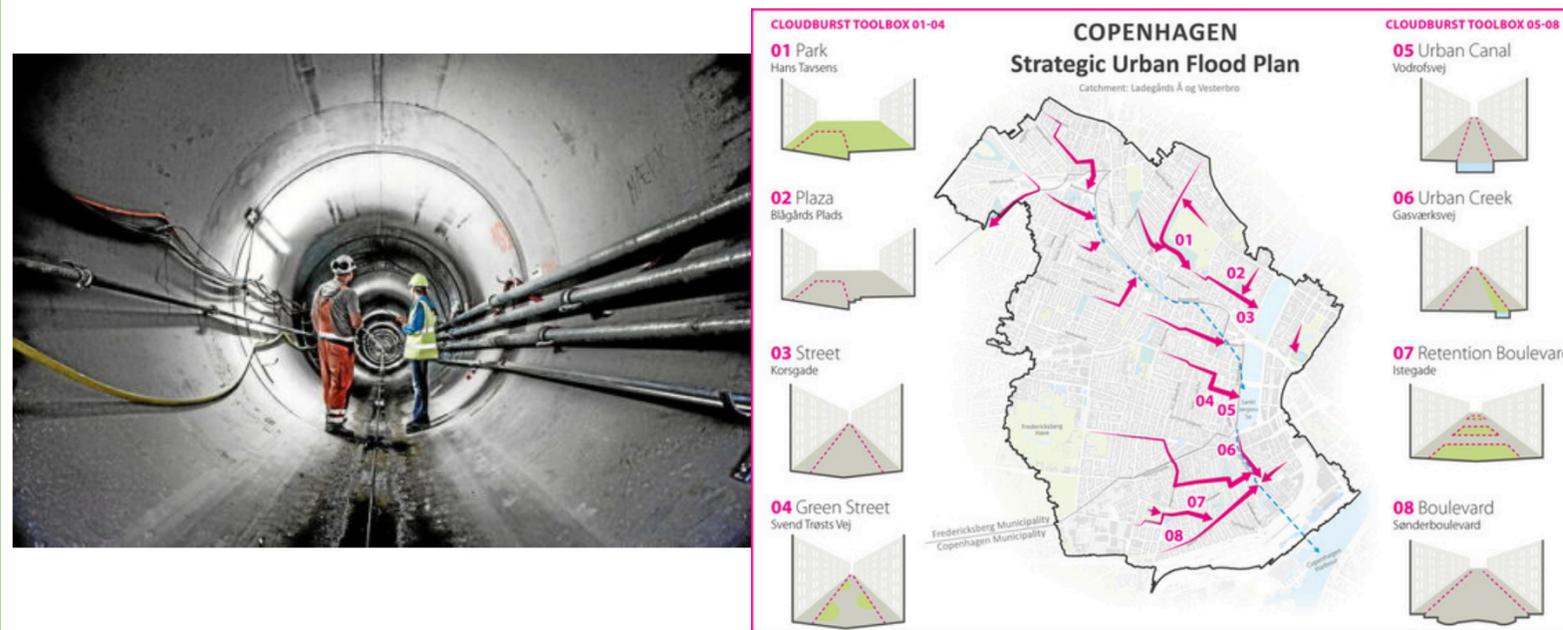
Developed one of the first comprehensive plans to manage rainwater in the future.

Two components

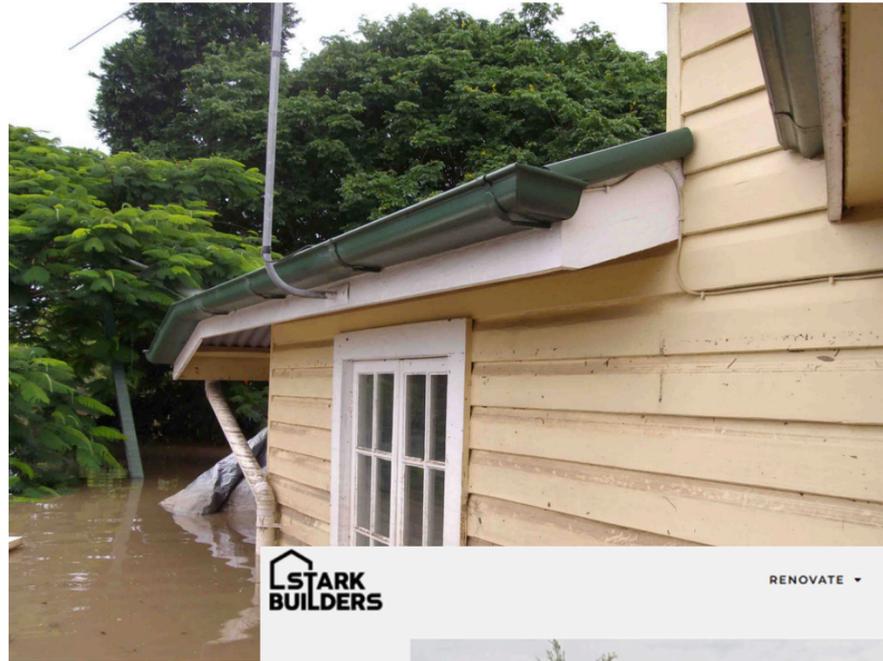
- To expand the sewer system to lead rainwater away
- 300 separate surface projects utilising green surface solutions

Critical elements

- Proactive stakeholder engagement, bringing together private and public stakeholders.
- Major project with a 20 year timeframe - with priority to where the risks are highest, and where they can aligned with ongoing urban planning



Brisbane



RENOVATE ▾ DESIGN PLAN PROJECTS PROCESS ABOUT ▾ FREE CO



GRACEVILLE.
RHF - House Raise

Grantham

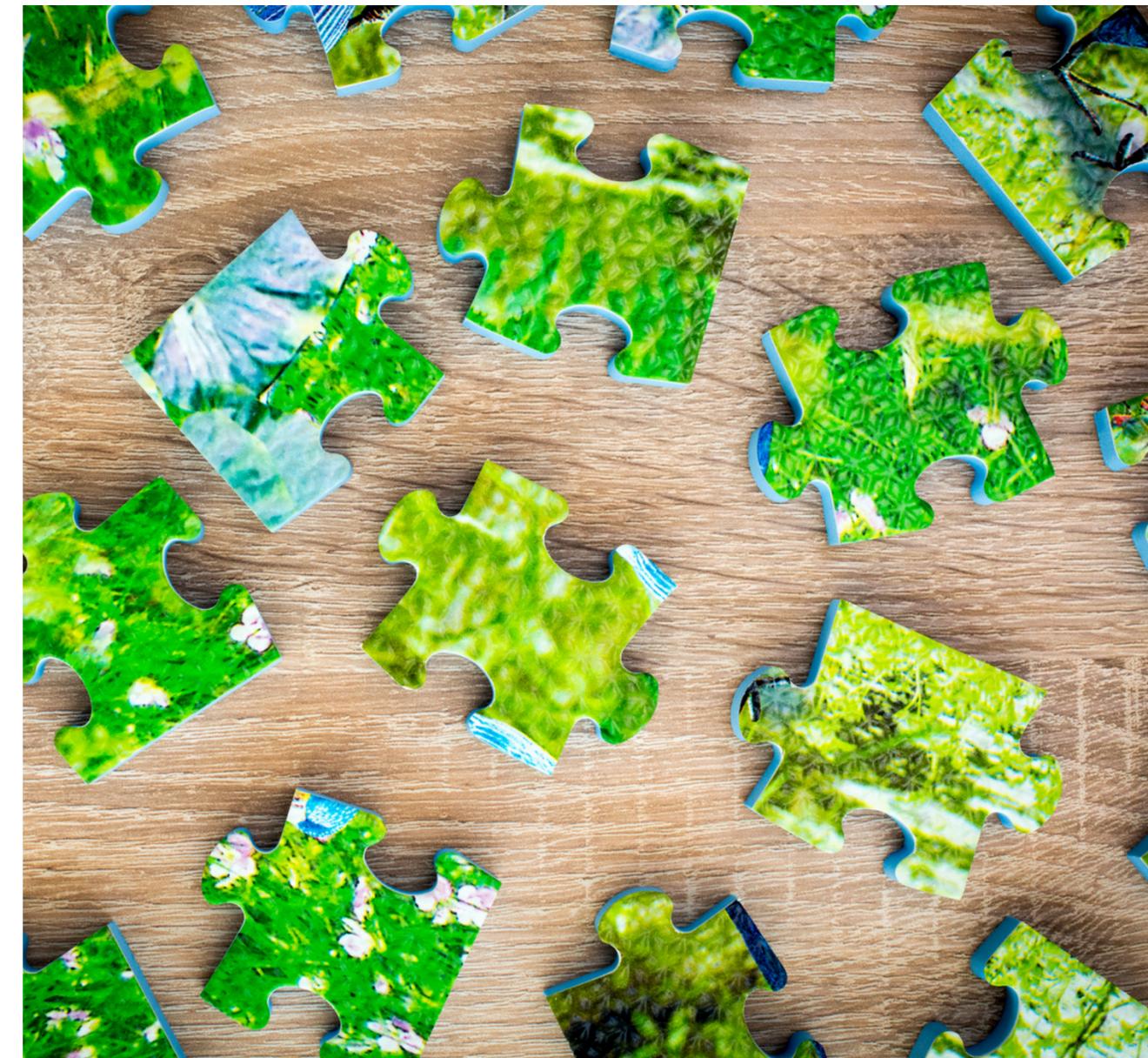


John and Kathy Mahon feared they would die when floodwaters rose rapidly in the tiny town of Grantham in 2011. (ABC News: Cindy Wockner)

REFRAMING THE CONVERSATION

Reframing and understanding ... it's messy

- Stakeholder engagement front and centre and from the outset
- Defining the vision - What does success look like? What's working now? What's not working now?
- Get insurers, as experts in risk, in on planning decisions
- Embrace complexity and a pick'n'mix approach
- From government to business to communities to households, we all have a role to play.



Final thought....



Join the Sustainable Real Estate
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