## cross-cultural data visualisation

# project 2 developing a narrative

with Martha & Marieke

During project 2 you will work on several assignments that will lead you to the design of a physical data visualisation in a public space in order to convey a story to a target group.

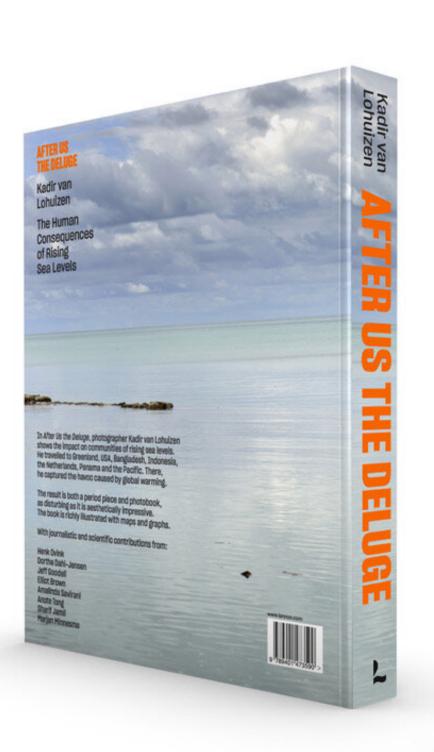
The subject of your data visualisation is: **the impact of rising water levels on humans**. Your startpoint is soft data behind the storytelling of a photographic reportage around the consequences of global climate change. For this purpose you will make use of Kadir van Lohuizen's book "After us the Deluge". (If you don't have acces to the book you can use this site: <a href="https://www.noorimages.com/lok-where-will-we-go">https://www.noorimages.com/lok-where-will-we-go</a>)

## SEE THE WORLD AS A DATA COLLECTOR

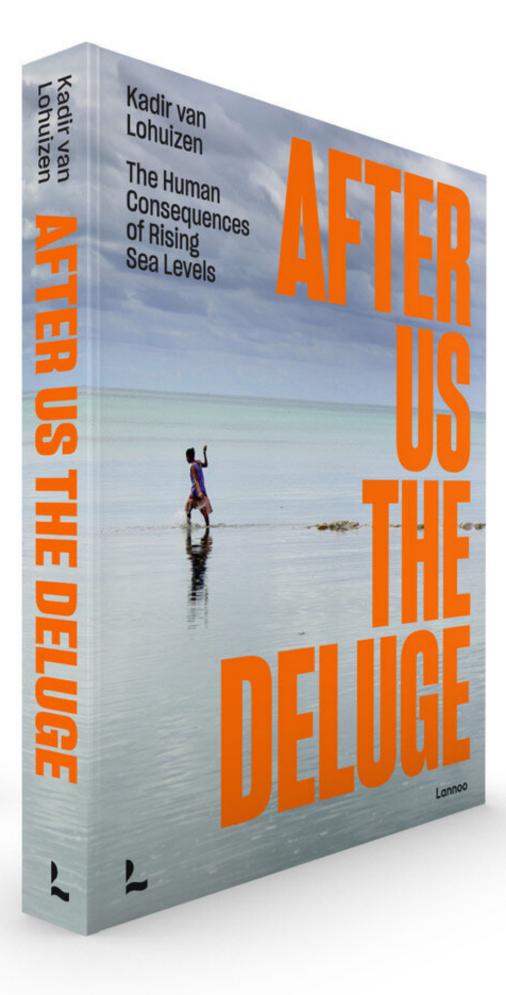


Kadir van Lohuizen - Photographer

Source: World press photo

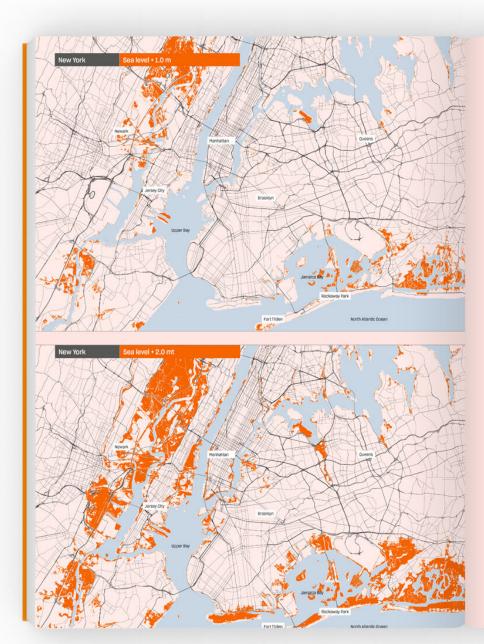


**Book as data source** 



**Dutch students, watch documentaries:** "Na ons de zondvloed" https://www.npostart.nl/na-ons-de-zondvloed/10-11-2019/VPWON\_1289033

Source: After us the deluge Kadir van Lohuizen



THE UNITED STATES: MIAMI AND NEW YORK - JEFF GOODELL

In a world of rapidly rising seas, New York is better prepared than many coastal cities. As anyone who has seen the rock outcroppings in Central Park knows, much of Manhattan is built on 500-million-year-old schist, which is impervious to saltwater. There is plenty of high ground, not just in Upper Manhattan, in Washington Heights, but also along a ridge that runs diagonally through Queens and Brooklyn, including places like Park Slope and Jackson Heights. Finally, the city has brains, money and attitude - New York is not going to go down without a fight.

But in other ways, New York is surprisingly wulner-waster of the properties of the properties of the partier would be obsolete by the time it was completed.

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But in other ways, New York is surprisingly vulnerable. First, it's on an estuary. The Hudson Rilver, which runs along the west side of the city, needs an exit. So, unlike a harbour city like Copenhagen, you can't just wall off the city from the rising ocean. Second, there are a lot of low areas in Brooklyn, Queens, and, most importantly, Lower Manhattan, which has been enlarged by land-fill over the years. (If you compare a map of the damage from Hurricane Sandy in 2012 with a map of Manhattan from 1650, you'll see that they match pretty well - almost all of the flooding occurred in landfill areas.) The amount of real estate at risk in New York is mind-boggling: 71.500 buildings worth more than US\$100 billion stand in high-risk flood zones today, with thousands more buildings at risk with each foot (0.3 m) of sea level rise. In addition, New York has a lot of industrial waterfront, where toxic materials and poor communities live in close proximity, as well as a huge amount of underground infrastructure: subways, tunnels, electrical systems. And because of changes in ocean dynamics, as well as the fact that the ground beneath the city is sinking as the continent recovers from the last ice age, seas are now rising about 50% faster in the New York area than the global average.

LESSONS FROM HURRICANE SANDY

In the aftermath of Hurricane Sandy, a barrier system known informally as the "Big U" was proposed that would loop around the entire bottom of Manhattan, from 42nd Street on the east to 57th Street on the west. The project, like meny projects of this size and scale, ran into financial and legal problems. Instead, a smaller barrier system on the east side of Manhattan, known as the East Side Coastal Resiliency Project, is moving forward. The US\$1.5 billion project is a undulating 10-foot-high (3 m) steel-and-concrete-reinforced berm that will run about 2 miles (3.2 km) along the riverfront. There are plans in the works to build other walls and b

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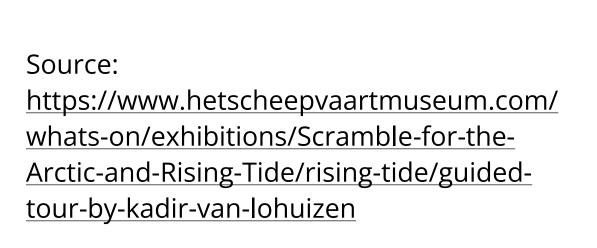


### A video tour of Lohuizen's exhibition 'Rising Tide' at The National Maritime Museum (with English subtitles)

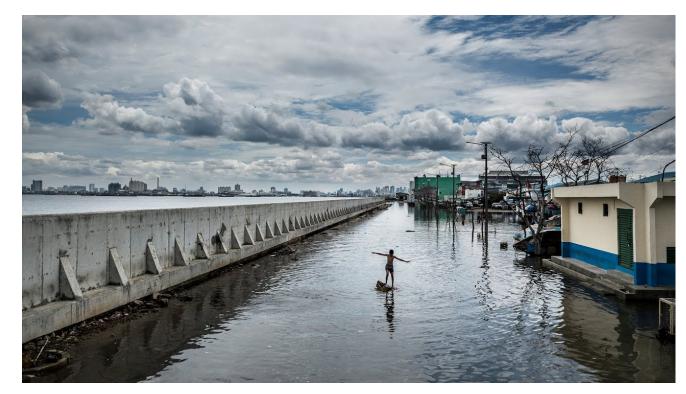




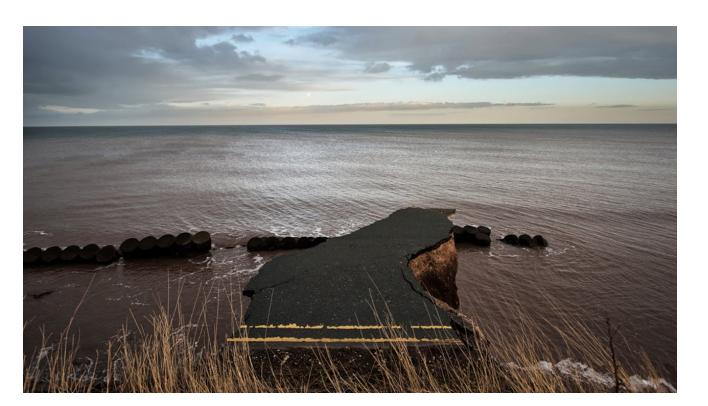
















"Data is an abstract representation of our reality Therefore it's a lens, a filter that we can use to see our world through.

Any aspect of our world and especially our human nature. One aspect at a time.

And I think that it is a particularly time for data to become a language that everyone should learn to speak and use."

Giorgia Lupi

### DATA

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SMALL big data
                           data bandwith Quality
     imperfect infallible data
   Subjective impartial data
    inspiring descriptive data
SerenDipitous predictive data
                                conventions POSSIBILITIES
                                to simplify complexity / Depict
                                processing DRawing
                           data driven design
      SPEND sale time with
                                is numbers people
                                will make us more efficient HUMAN.
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Source: Adobe 99U Conference May 2019

https://www.youtube.com/watch?v=IYRhCZ0vvFQ

