

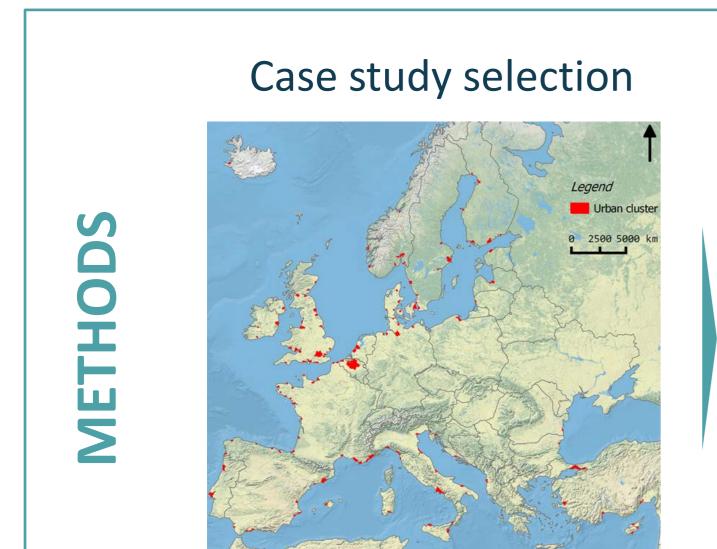






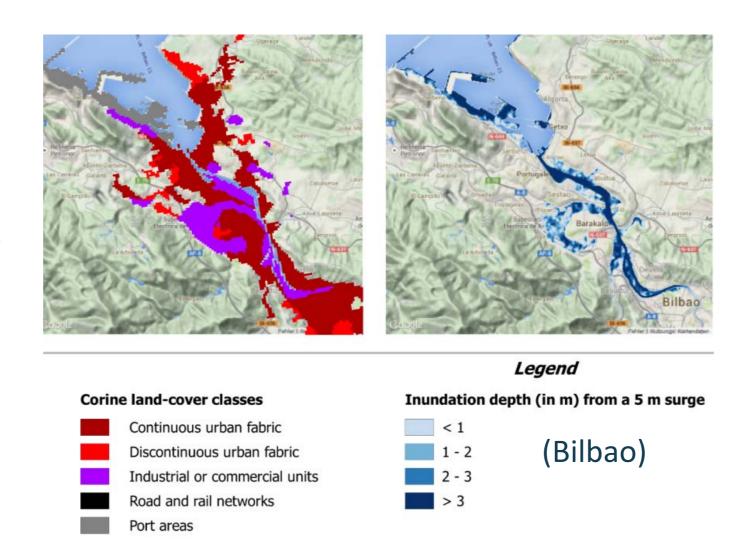
## Luís Costa (carvalho@pik-potsdam.de)

**Objective**: Systematic assessment of impacts and adaptation to coastal flooding in European cities.



140 urban areas analyzed

## Corine land-cover and inundation



Maximum damage by land-use

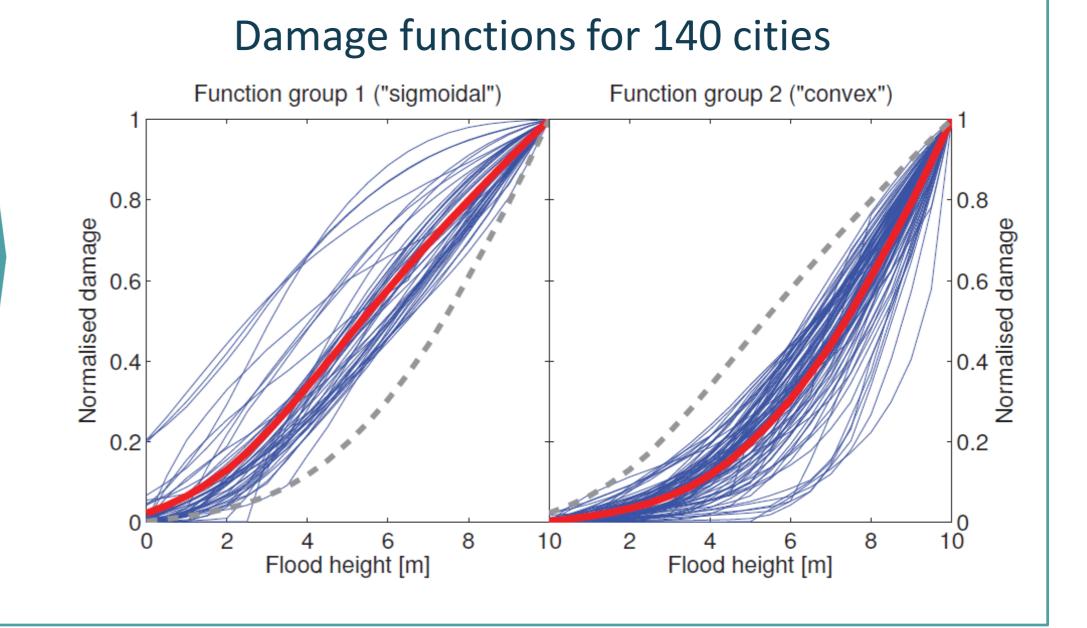
Land-use	Average maximum damage [€/m²] (2006)
Residencial	760
Commerce	621
Industry	534
Agriculture	0.77
•••	•••

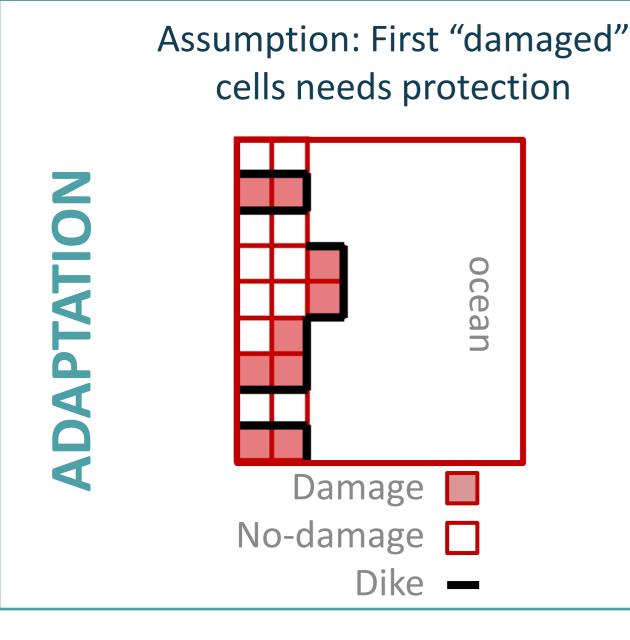
Huizinga el al., 2006

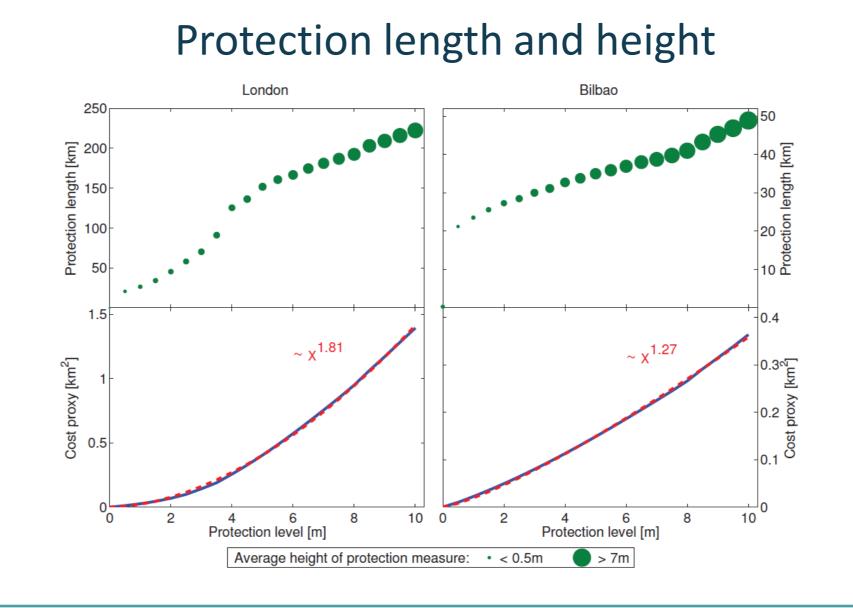
## Damage (in EUR/m2) from a 5 m surge



Sum of damages across all land-uses and pixels and flood heights.







Expand the portfolio of adaptation options:

Which options?
How to simulate them?
Socio-ecologic barriers?
How to dialogue?

## **Conclusions:**

- First step towards a systematic assessment of coastal adaptation.
- Expanding the option portfolio is contingent to more impact-adaptation community dialogue.