

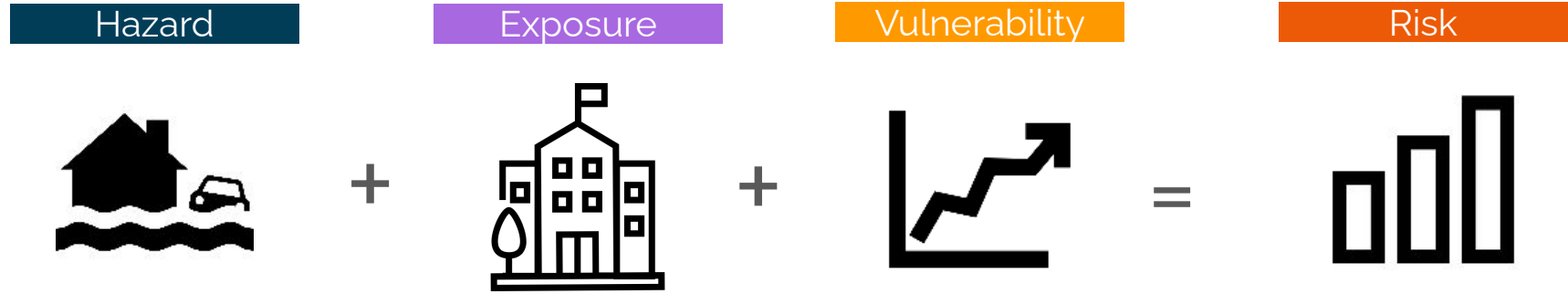
Risk of Doing Nothing

Max Evans
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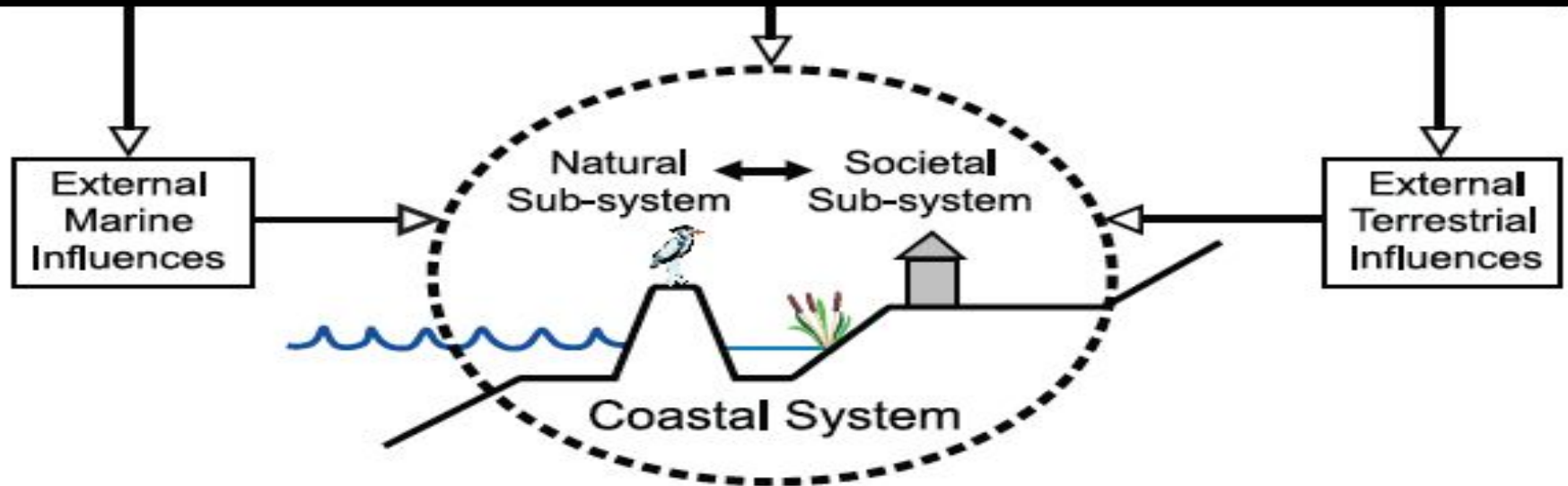
January 2023

Understanding Risk- Modeling the components



The Urban Ocean

Storms Sea Level Rise Waves Run-off Walls Berms Marshes



Two domains:

Cities => Water – blacktop – people

Beaches => Water – sand - people

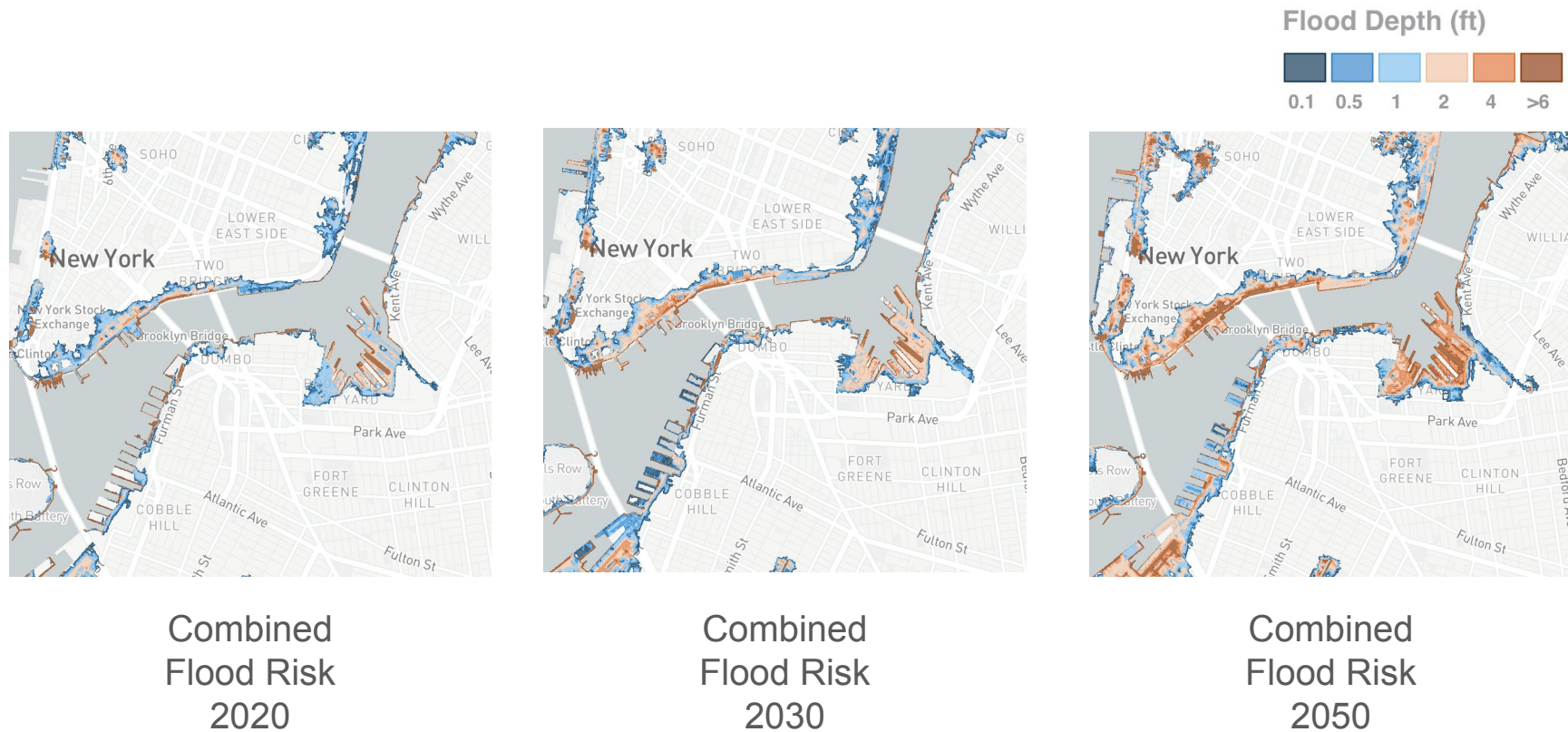
Alan F. Blumberg Michael S. Bruno

THE URBAN OCEAN

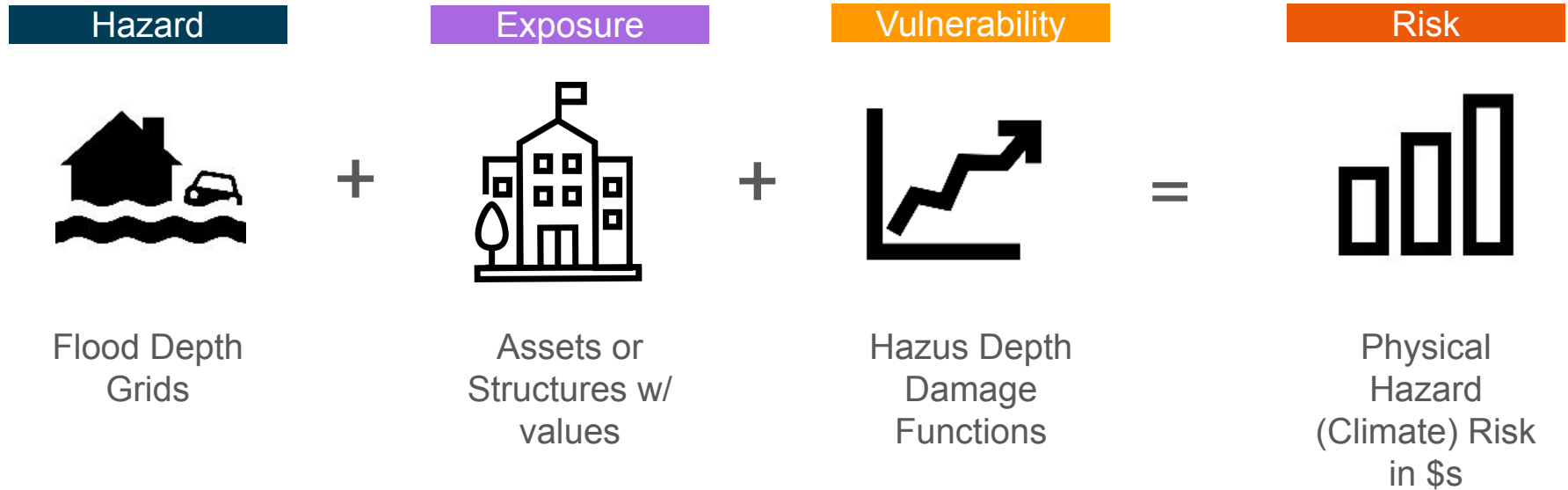
The Interaction of Cities with Water



Mapping the Hazard- With Climate Change



Example - Modeling Physical Hazard Risk



Cost Benefit Analysis

Costs

Infrastructure Costs

Investments

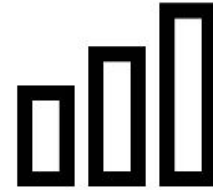


Cost of New
Infrastructure

Benefits

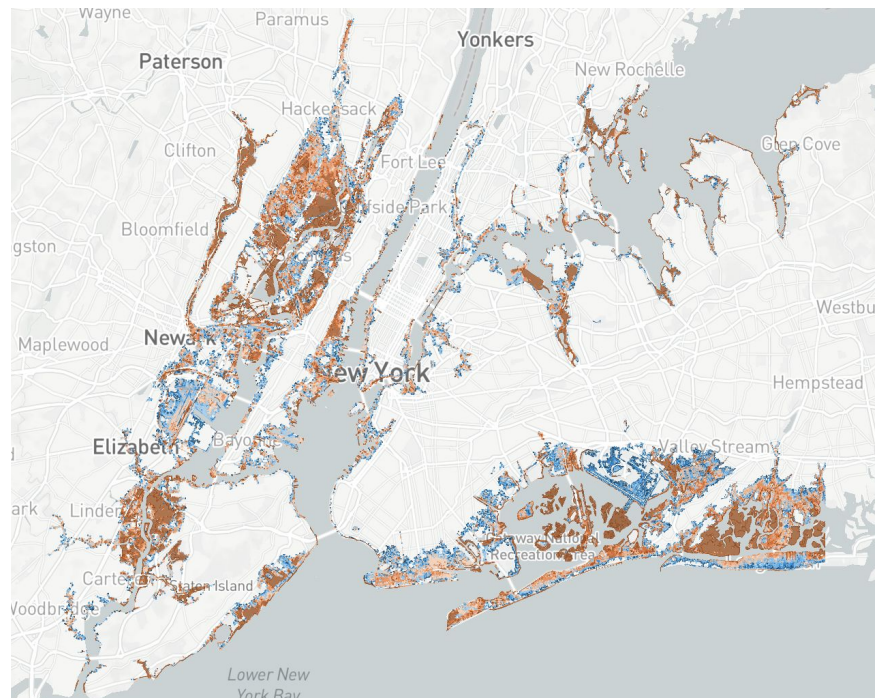
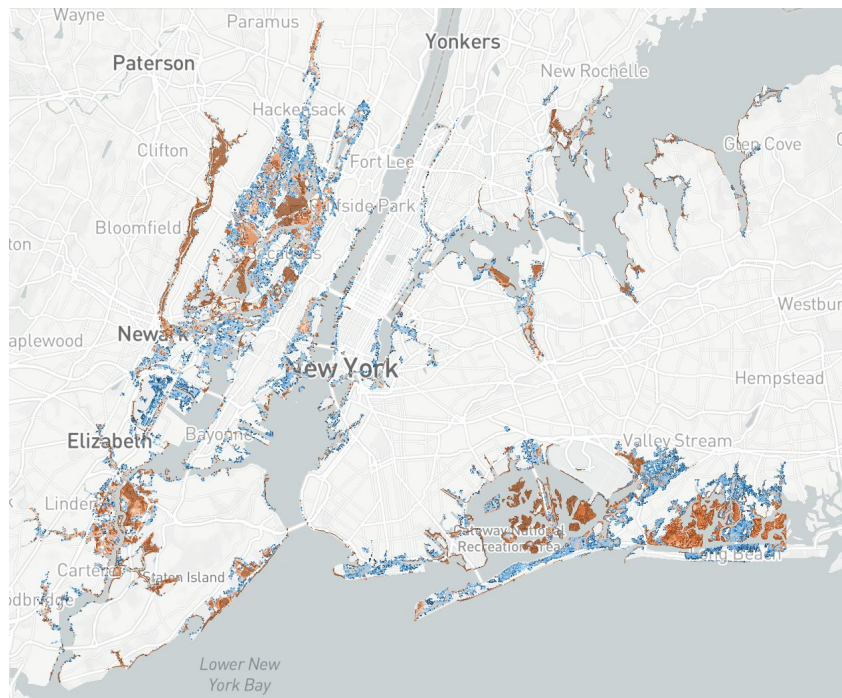
Risks Avoided

Risk

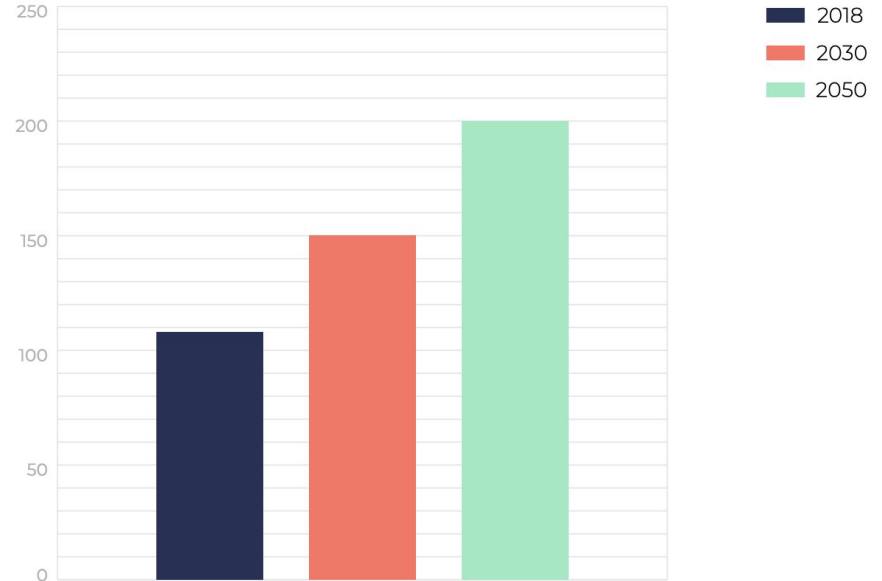


Physical
Hazard
(Climate) Risk
in \$s

What is at risk (economically) if we do not act?



The Cost of Doing Nothing



Number of people in need of humanitarian assistance

*IFRC- The Cost of Doing Nothing Report

better not miss the boat...



Timing can be of Essence !

Thank you

