

Fostering Coastal Resiliency



Threats from Climate Change

- Triple Threat:
 - (1) Sea Level Rise
 - (2) Worsening Storms
 - (3) Aging infrastructure



NICHI

- National Institute for Coastal and Harbor Infrastructure
- Advocate an expanded federal role for climate change
- Focus on long-term, high-tech infrastructure investment



Mission of Coastal Resilience

- Understand Coastal Vulnerabilities
- Reduce vulnerabilities to risks through various means
- Promote Protective Factors for when a storm happens



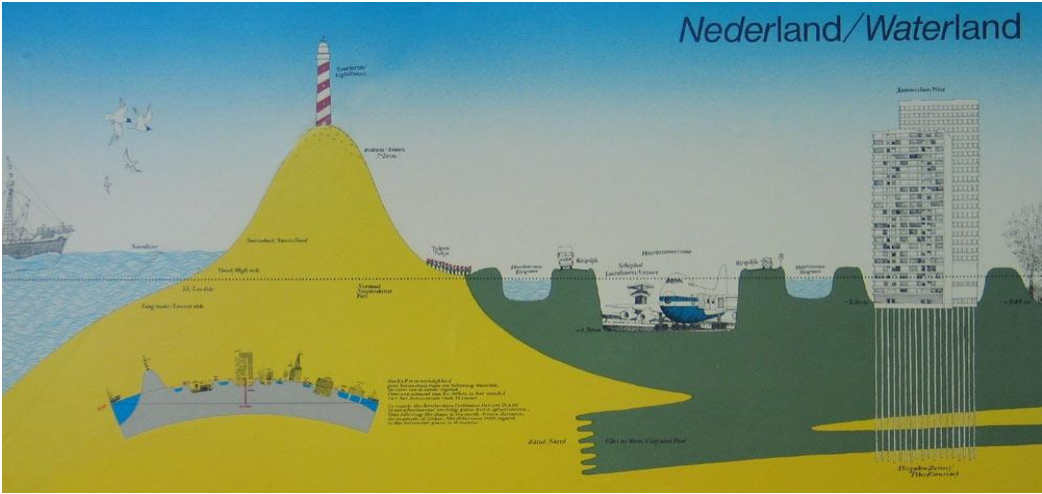
Adaptation Recommendations:

What we've been doing

- Seawalls
- Revetments
- Beach Nourishment
- Boulder Dike/Sill
- Elevating Roads
- Drainage Improvements
- Managed Retreat
- Elevation of Homes



THE NETHERLANDS: a delta landscape, penetrated by rivers, subject to sea and river flooding



Constructed peninsula: made with offshore sand



Aerial photo Jan. 2012, after 6 mnths



Aerial photo July. 2013, after 2 yrs

