

# Commentary on the Floating Pavilion Discussion

David C. Major, Columbia University

Deltas in Times of Climate Change  
Rotterdam  
October 1, 2010

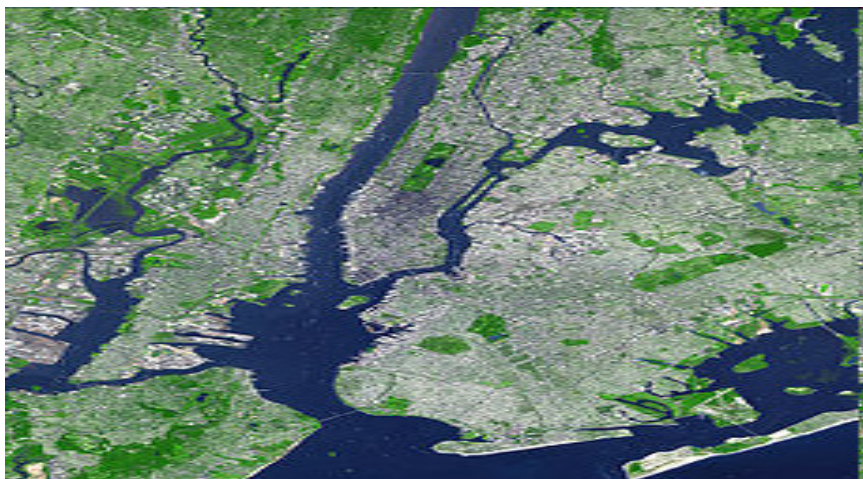
## Overview Points

- Innovative adaptations: Yes!
- Climate change adaptation: a highly segmented problem; floating pavilions one good part of the solution
- Some data for future floating urban districts: Houseboats in the U.S.: “Other” housing category (includes tourist cabins as well as houseboats) in the 2000 Census: 262,610, of which: AZ 27,387; CA 31,245, FL 27,511, NY 5,980, TX 34,313
- Public space uses of the pavilion (compare the Intrepid Museum in New York City)
- Considerations for floating pavilions as housing
- Related “soft” solutions proposed for NYC by leading architects

## The Intrepid Sea-Air-Space Museum: Flight Deck



## Satellite Image of New York Harbor: where could floating pavilions go?



## Considerations for floating pavilions

- Reasonably calm waters
- Free from heavy shipping use
- Free from odors from water or winds
- Meet all EPA regulations (or European Union and national regulations)
- Marketable: good location, good views

### Museum of Modern Art Rising Currents: Projects for New York's Waterfront



## Elements of the architects' strategies to deal with sea level rise

- Wetlands
- Piers and slips
- Offshore windmills
- Oyster beds
- Artificial islands
- Subway car reefs
- Offshore piers