



Rising Above Sea-Level Rise: The Promise and Problems of Elevation

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Outline

- Types of elevation
- Problems with area-wide elevation
- Benefits of elevation of structures

Elevate Structures



Photo: Thomas Ruppert

Elevate the land



Photo Credit: Learning Architecture,
<http://architectureintlprogram.wordpress.com/2011/06/13/the-dubai-palm-islands/>



Photo: Wikipedia, Palm Islands



Elevating Land

- Ecological problems
- Legal problems
 - Private owners suffer tort liability
 - How to force existing private property to elevate?
 - Elevating public roads/buildings = liability
- Economic issues
 - Huge costs, but maybe an improvement district?



Elevating Buildings

- Already common practice—NFIP
 - Few legal problems
 - No Adverse Impact
- Add additional “freeboard” height
 - Savings on premiums
 - Possible CRS credit

