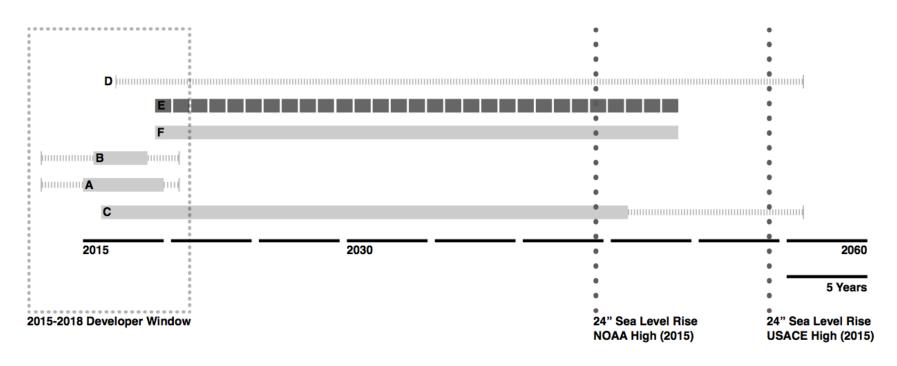




Real Estate Capital Cycles and Climate Risk

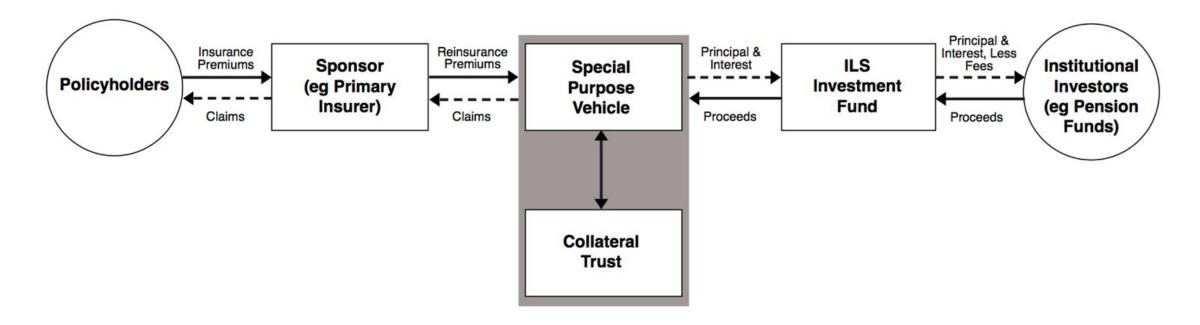
Example: Miami Sea Level Rise



- A Debt Finance (Construction Loans) Institutional Capital
- B Equity Finance Institutional Capital
- C Local Area Infrastructure Finance (eg CDA bonds) Public/Institutional Capital
- D Potential for Property Owner Assessments to Fund Infrastructure Public/Consumer Capital
- E Property Insurance Premiums Consumer/Institutional Capital
- F Traditional Consumer Mortgage Consumer/Institutional Capital

Insurance-Linked Securities

Typical Catastrophe Bond Structure



1994

\$26.8B

\$167M

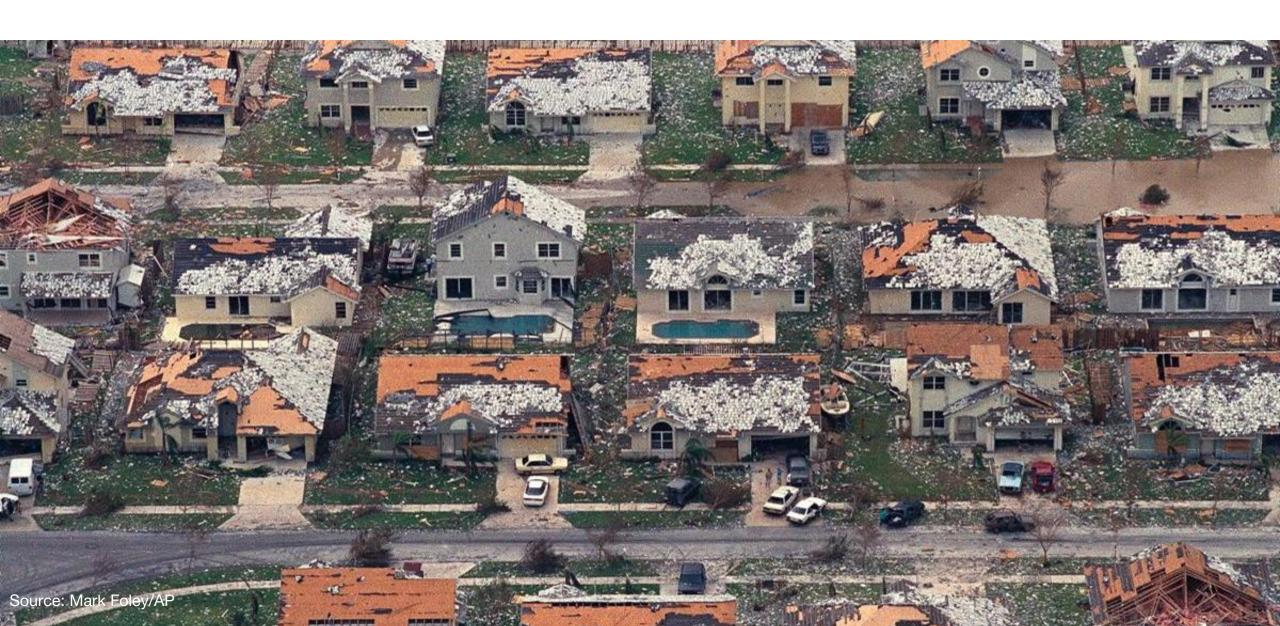
First Cat Bond Issuance

Size of Outstanding ILS Market, Q1 2016 Average Cat Bond Size, 2015

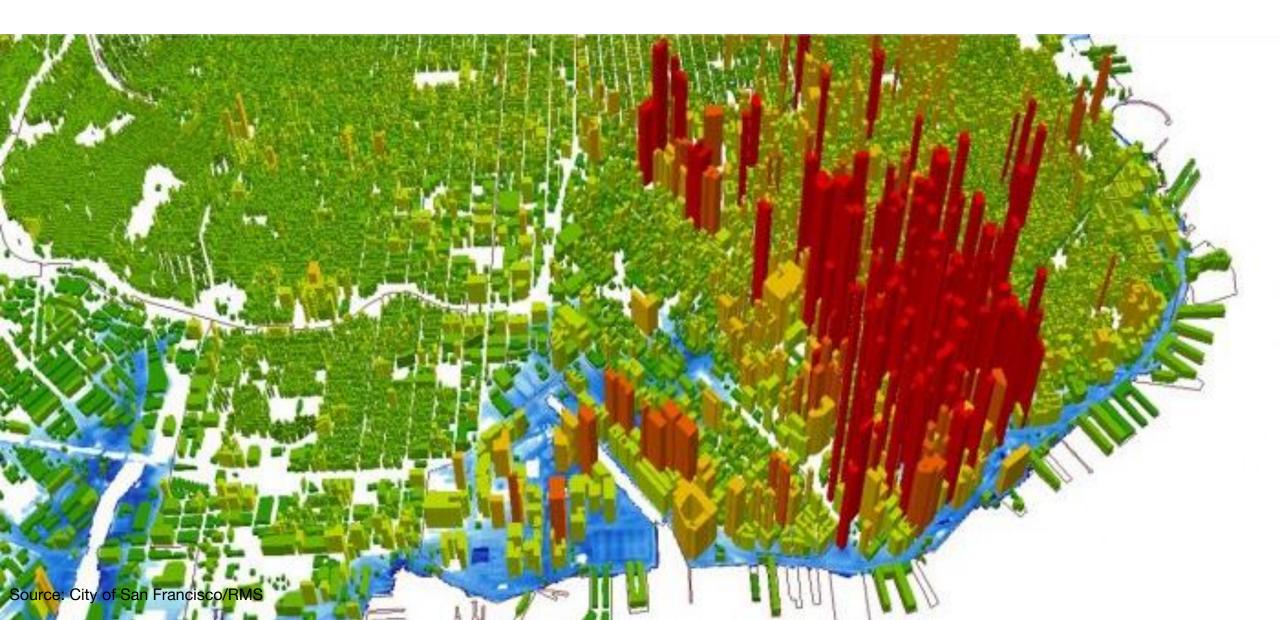
Capital and Catastrophe Meet in the City



Homes & Hurricanes



Dislocation and Disruption



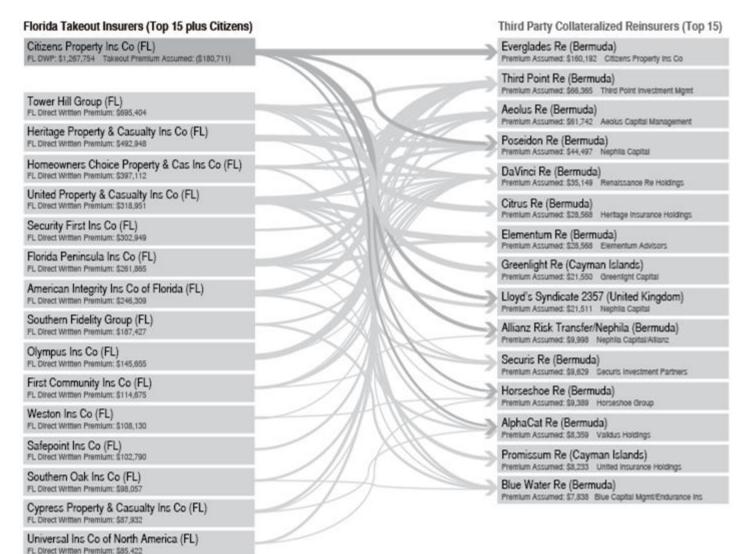
Transforming Florida Catastrophe Risk into ILS Products

Risk Transfer Considerations	Dynamics
Ceding Insurer Business & Operational Strategy	Firm size and ownership
	Diversification of underwriting
	Risk management strategy
Underwriting Process	Material considerations
	Regulatory constraints
	Institutional capacity
Reinsurance Instruments	Contract type
	Liquidity
	Structuring cost
Reinsurance Geographies	Command and control nodes
	Specialty nodes

Capital Flows Between Florida Insurers and ILS Platforms

Florida Homeowners (Premium Dollars)





ILS Investors (Institutional Capital)



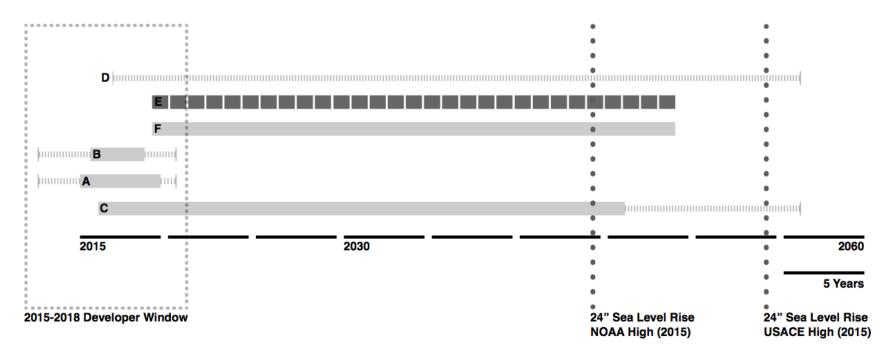
Capital, Climate Change, and the City



Return to the Tenure Question

Real Estate Capital Cycles and Climate Risk

Example: Miami Sea Level Rise



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