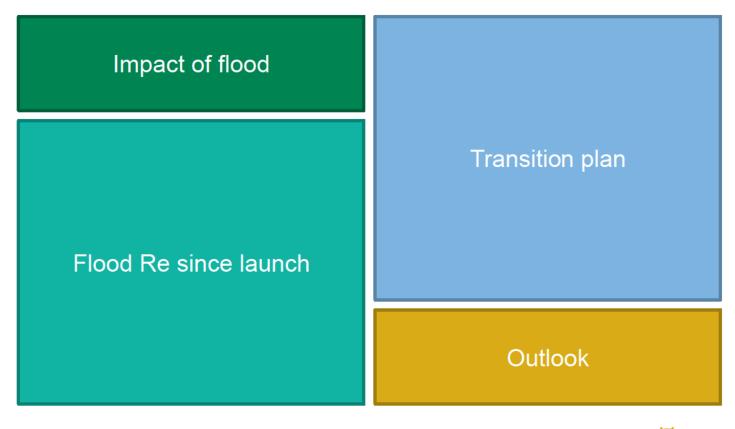


Flood Re and the future of flood insurance

Philippa King, LCP
Neil Chapman, Willis Towers Watson
IFoA Flood Working Party

Agenda





26 September 2016

Impact of Flood



Source: Twitter, Annalisa Leach

Impact of flood





26 September 2016

Impact of flood



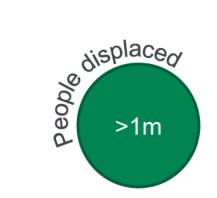


Impact of Flood UK: Christmas 2015



Impact of Flood: Europe 2000 - 2016







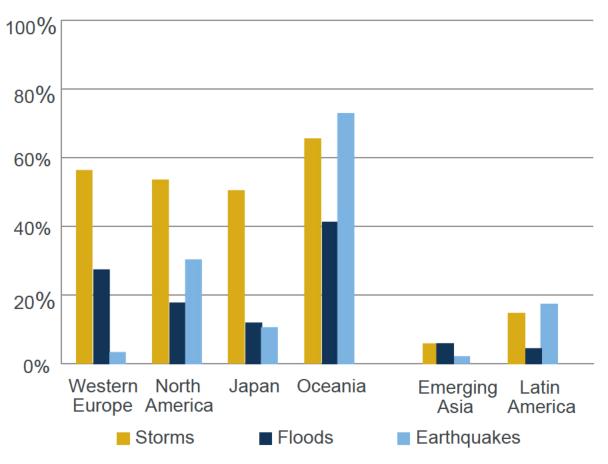






Underinsurance: a global problem

Natural catastrophe insured losses as a % of economic losses, by region, 1975–2014





Source: Swiss Re



Flood Re

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What is Flood Re?

FLOODRE

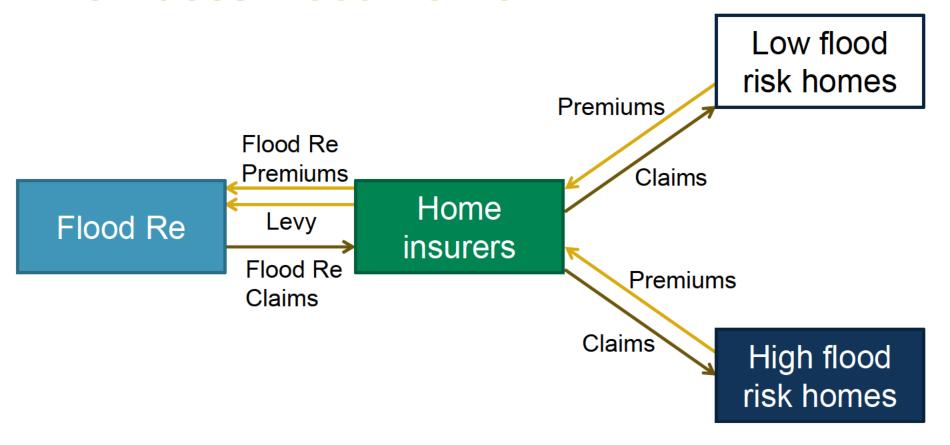








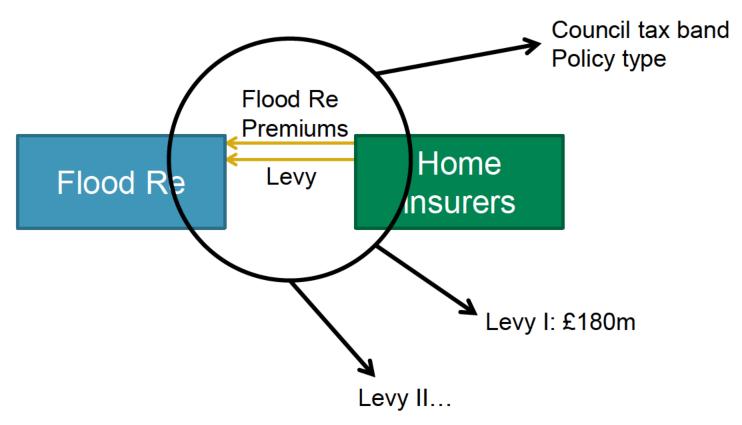
How does Flood Re work?



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High risk homes: 1-2% highest risk, ~350,000

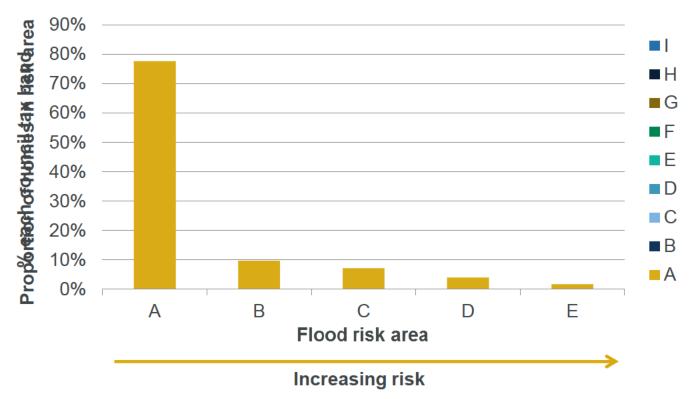
How does Flood Re work?





High risk homes: 1-2% highest risk, ~350,000

Council tax vs flood risk



- Pearson weighted correlation coefficient: -0.17%
- Indicates little correlation between flood frequency and council tax
- Flood severity will be more correlated



Flood Re since launch: April 2016

Admiral Ageas AIG Allianz Avantia Aviva Axa Bank of Scotland British Gas Cherish Home Insurance Churchill Direct Line First Direct Halifax Haven Insurance Hiscox HSBC inet3 Legal & General Liverpool Victoria

36 brands onboarded

Lloyd & Whyte Lloyds Bank Marks & Spencer More Than Nationwide Natwest

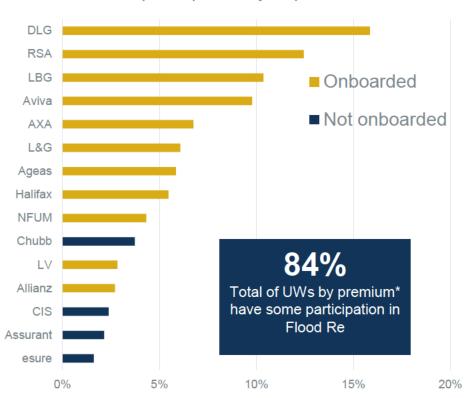
NFU Mutual Oak Underwriting Ocaso Policy Expert Privilege Prudential RBS

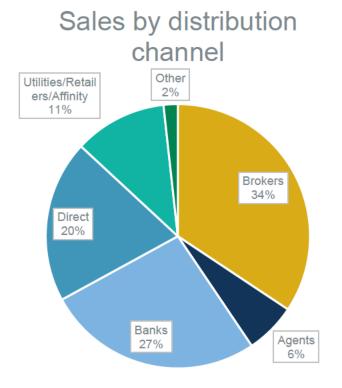
Sainsbury's Bank Santander Home Insurance Swiftcover

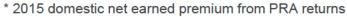


Market coverage

UW participation by % premium*







^{**} Source: AXCO 2015: 2012 distribution



Software houses

Software houses ready to go on Flood Re

Source: Insurance Age 6 April 2016

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"... we are dependent on brokers to develop their software capability. A trial solution could be available by Q2 2017, and hopefully all brokers by 2018."

Why isn't Flood Re more widely available via brokers?

Source: Bureau Insurance Services News 12 April 2016

"We are in the hands of the software houses and we need to see how much they will charge us"



Response from insurers

- Insurers who are able to use Flood Re report to have expanded their flood footprint to accept more risk
- Policies are evaluated for expected flood cost before being ceded to Flood Re
- Insurers are not expecting a sharp rise in flood claims
- Insurers with limited existing flood footprint remain cautious

26 September 2016 19

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Flood Re since launch: Raising awareness





Flood Re considerations

Strengths	Issues?

Discussion: Experiences of Flood Re so far



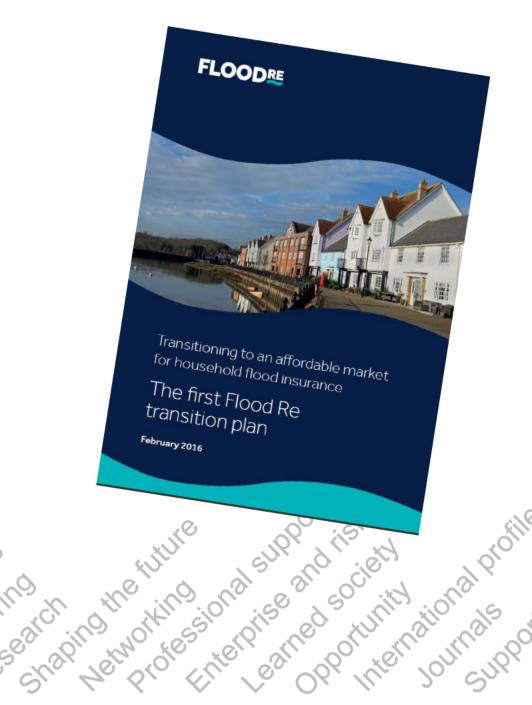


Transition plan

Morking Parties

Johnieerind

Research



Opportunity

"Risk-reflective" pricing

AVAILABILITY

Outcome A:

Market will provide insurance to the majority of high flood risk households, but premiums are at a rate that most will find unaffordable

Market with risk-reflective pricing exists and provides widely available and affordable insurance to high flood risk households

Target outcome:

Outcome C:

Transition not successful –
market is small and very
costly – the majority of high
flood risk households
cannot gain insurance at all

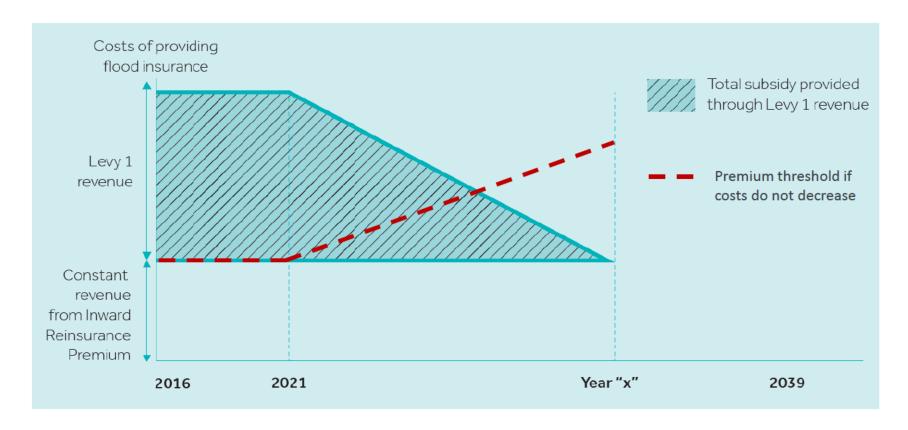
Outcome B:

Market provides affordable flood insurance for small number of properties (likely those with lowest risk) with remainder of market not being covered

AFFORDABILITY



Reducing subsidy



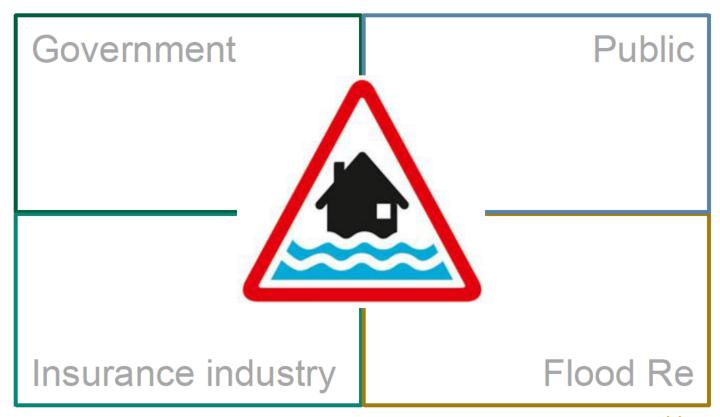


Aims for an effective transition:

- Reduce cost of flood claims
- Reduce risk of flooding
- Improve the insurance market



Transition: Risk of flooding



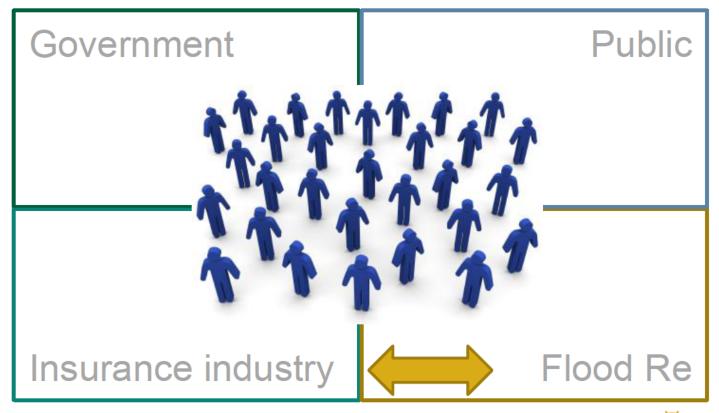


Transition: Cost of flood claims





Transition: Insurance market



Discussion: How to improve the market





Final thoughts

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Political uncertainty





Climate change





Questions

Comments

Thanks to Flood Re for their contribution to this presentation.

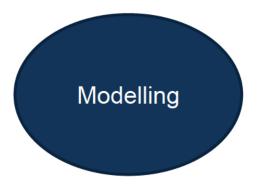
If you wish to join the Flood working party, please email: philippa.king@lcp.uk.com

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National flood resilience review



Resilience of infrastructure

Temporary defences

Investment strategy

Netherlands

- Tens of billions of euros over 40 years
- €1bn per year maintenance





Premium by council tax band

		Property Council Tax Band									
Cover Type		Α	В	С	D	E	F	G	Н		
туре	Wales:	A/B/C		D	E	F	G	Н	- 1		
Buildings o	nly	£132	£132	£148	£168	£199	£260	£334	£800		
Contents of	nly	£78	£78	£98	£108	£131	£148	£206	£400		
Buildings and Contents combined		£210	£210	£246	£276	£330	£408	£540	£1,200		



How to flood protect a home

- Flood-proof doors £750 2,500+ (or demountable door guards £2,380)
- Airbrick covers £180 1,680
- Resilient plaster £6,300 8,200
- Concrete/sealed floors £7,600 12,500
- Raise appliances £700 1,100
- Periphery wall/free standing barriers £5,000 12,000
- Additional external layer (render, bricks etc) £2,500 4,000 per property
- Automatic door guards £8,000
- Sump and pump £50 2,500
- Raise floor levels £28,200 44,700



How to flood protect a home

Property type	Option	Description	Low	Medium cost	High cost
Residential	Standard resilience	Resilient plaster, removable doors, internal wall rendering, resilient kitchen, raised electrics and appliances	£6,210	£7,830	£9,450
	Premium resilience	Concrete/sealed floors, resilient plaster, removable doors, internal wall rendering, resilient kitchen, raised electrics and appliances	£9,620	£11,870	£14,130



Impact of Flood





Impact of flood



26 September 2016 44

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