



 **Flood: Lessons Learned**

Simon Warsop
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12 October 2016

Key Messages

We need

- 
Understandable Information
- 
Communities First
- 
Long Term Strategy

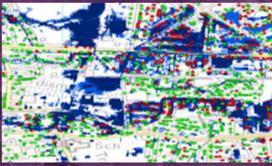
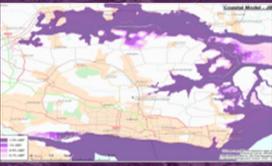
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Floods Happen

December 2015 Storms

847 bn litres of rainfall over Cumbria 	New UK record: highest rainfall in 24 hours 	Defences breached 	Communities knocked 
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Types of Flooding

Surface Water 	River 	Coastal 
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There will be Further Flooding

Flood modelling is quite good!

St Asaph 	Kendal: Blocked culvert 	Drones assist 
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A property in Lowestoft

	
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Occupants do not Understand the Risk

No common standards

1 in 25
1 in 100
1 in 200
1 in 1000



Tainters Brook, East Sussex



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Building Individual Resilience

Flood resilient retrofit



The Lowestoft house made resilient



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Resilience does Work

Resilience in action!



Resilience worked in Lowestoft

Most kept out



Quick to clean up



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Helping Build Resilience

Grants welcome...

What is available



Available after flood



No common standards



...but could be even more effective

Aviva repaired too quickly!

Used in the right places?

Not always welcomed by homeowners

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A Different Point of View

Flood resilient fashion statements



The Lowestoft house



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Some Personal Perspectives

It won't happen to me

“Its only a bit of water in the house”

“What does 1 in 25 mean, anyway?”

“We've been here ten years and it's never flooded”

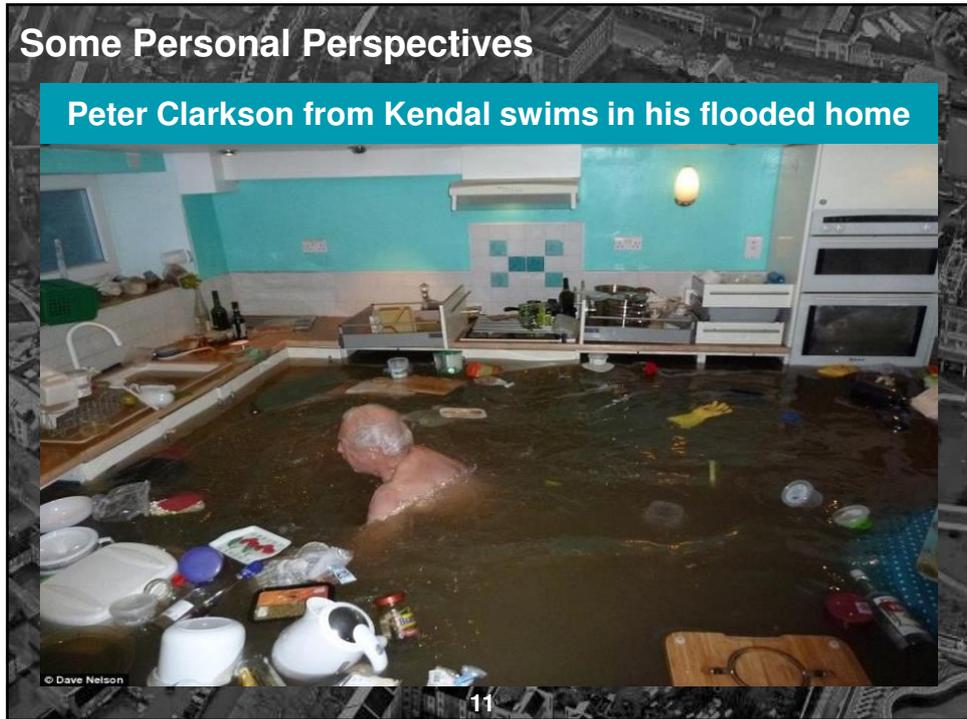
“But we're miles from the river!”

“I hear what you're saying, but the house is gorgeous”

Resilience removed from the Lowestoft house



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FloodRe

Financial security...

FLOOD^{RE} £250xs  

...for some! Emotional uncertainty remains

   **BEYOND FLOOD^{RE}?**

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A Better Way

Community & infrastructure defence

- Defend many homes and businesses
- Consequences well managed...
- Protect families and livelihoods
- ...by considering the whole catchment

Efficient without individual compromises



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A Better Way

Building practices...

- Build where risk low, understood and managed!
- Avoid unintended consequences



...in action



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In summary

We need



Understandable Information

Communities First

Long Term Strategy

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The slide features a dark aerial cityscape background. A teal banner at the top contains the text 'In summary' and 'We need'. Below this, three circular icons are arranged horizontally. The first icon shows a red triangle with 'KNOW YOUR FLOOD RISK' and 'Understandable Information' below it. The second icon shows a group of diverse people with 'COMMUNITY' and 'Communities First' below it. The third icon shows a blue bar chart with an upward arrow and 'Long Term Strategy' below it. A small number '15' is at the bottom center.



Flood: Lessons Learned

Thank You

Simon Warsop
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12 October 2016

The slide has a yellow header with the AVIVA logo and the title 'Flood: Lessons Learned'. The main body is a dark aerial cityscape with the large yellow text 'Thank You'. At the bottom, the name and title of Simon Warsop are listed in yellow.