Community Resilience Hub



Tom Dauben Flood & Coastal Risk Management Senior Advisor 23rd May 2022





Content

What are we aiming for in terms of community resilience?

What information is available online already?

What is being done to assess resilience levels already?

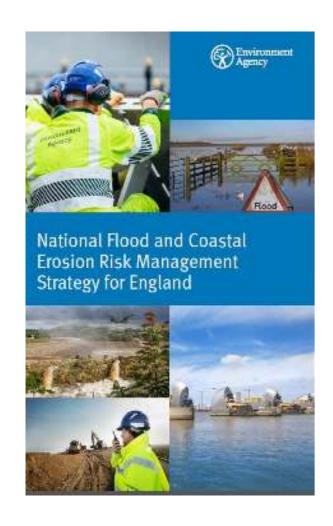
Are there any case studies to learn from?

What would you like from an improved online resource?

• (if time allows) thinking so far



Where are we aiming for?



... a nation ready for, and resilient to, flooding and coastal change – today, tomorrow and to the year 2100.



Climate resilient places



Today's growth and infrastructure resilient in tomorrow's climate



A nation ready to respond and adapt to flooding and coastal change

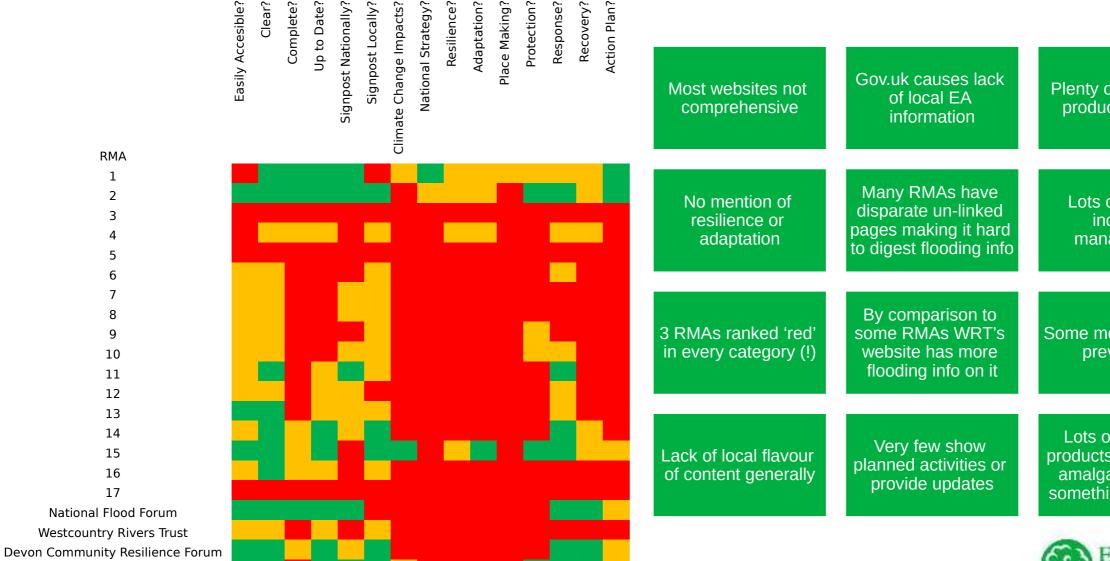
Resilience and adaptation

"We frame resilience in terms of the <u>capacity</u> of <u>people and places</u> to <u>plan</u> for, better protect, respond to, and recover from flooding and coastal change".



What information is available now?

Be Flood Ready



Plenty of paper EA products 'offline'

Lots of info on incident management

Some mention 'flood prevention'

Lots of useable products and text to amalgamate into something coherent



Quantifying resilience (National)

	Placemaking	Protect	Respond	Recover	Placemaking	Protect	
Resilience capacity	The degree to which a place is resilient to potential flood and coastal change impacts	How well protected a community or place is from the flood and coastal change risks it faces	The ability of a community/ place to respond to a flood or coastal erosion event	The ability of a community/ place to recover from a flood or coastal change event	Quality of life (Deprivation	Properties protected (short-term)	a
Examples	Climate resilient policies in place across sectors Development not at risk from flooding or coastal change or likely to increase risk elsewhere	Traditional and NBS solutions in place protecting X no. properties	Flood warning take up Community awareness	Time taken to get back into properties post event Build back better via PFR Economic recovery	Indices)	Standard of Protection (long term)	in
Flood and coastal change impact	Reduced expected impa Contribution to wider ecc						

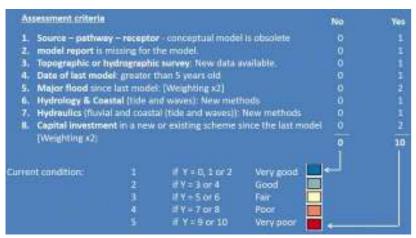
ļ	Placemaking	Protect	Respond	Recover
	Quality of life (Deprivation Indices)	Properties protected (short-term) Standard of Protection (long-term)	Uptake in flood warning and informing service	Home insurance uptake
W. E.S. W.				

We're already doing some of this locally...

<u></u>	<u> </u>		
Ashburton	Braunton	Horrabridge	Sidmouth
Axminster	Brixham	Ilfracombe	Tamerton Foliot
Bampton	Combe Martin	Kingsbridge	Tavistock
Barnstaple Coney Gut	Cullompton	Kingsteignton	Tiverton
Barnstaple River Yeo	Dawlish	Lympstone	Torquay
Barnstaple Landkey	Dawlish Warren	Newton Abbot	Torrington
Beer	East Budleigh	Paignton	Weare Gifford
Bideford	Exebridge	Plympton	Whimple
Povey Tracey	Heavitree - Exeter North	Sidford	Wrafton
Bovey Tracey	Brook	Siuloru	wraiton



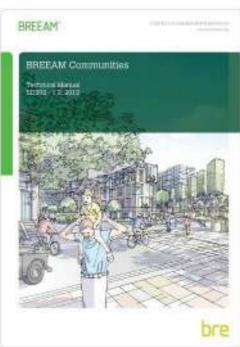
Quantifying resilience... already





Specific description: Either actual irrelability of slope (lower innert), major erosion of surface or actual instability of the toe (upper insert). Significant erosion by livestock or other than party use (main photo).

Key features: Extensive burrowing by large animals but no fill washout. Presence of heavy foreign objects, Shallow surface stips of slope and minor trest parallel cracks in slope, Large sections of slope eroded or slipped. Parts of severment missing or rower, fill material washed out. Extensive patches have of vegetation. Severe cracking and loss of fines, Saturation/pooling of water at outward tree. Wallow toe uplift.



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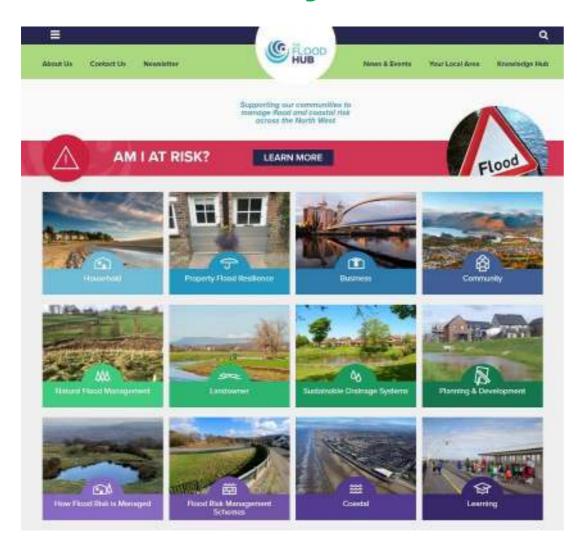


Quantifying resilience... we have a lot to work with!

Probability of flooding from Age of existing FCERM Presence/absence/eligibility Levels of deprivation Lead time of flood all sources for defences infrastructure Strategic plan policies – Rapid Response Catchment Presence/absence of flood Age of community flood FRMP, SMP, LFRMS, NFM Studio results Register status (updated by group plan DWMP, Local Plan FCRIP) % of those at risk signed up 'Condition' of landscape Is it served by a good flood Is there an exceedance Number of properties with to receive flood warnings PFR measures warning gauge? upstream plan? 'Condition' of the flood Level of Flood Warning Community infrastructure at Transport links at risk Emergency rest centre? model(s) Service provision risk



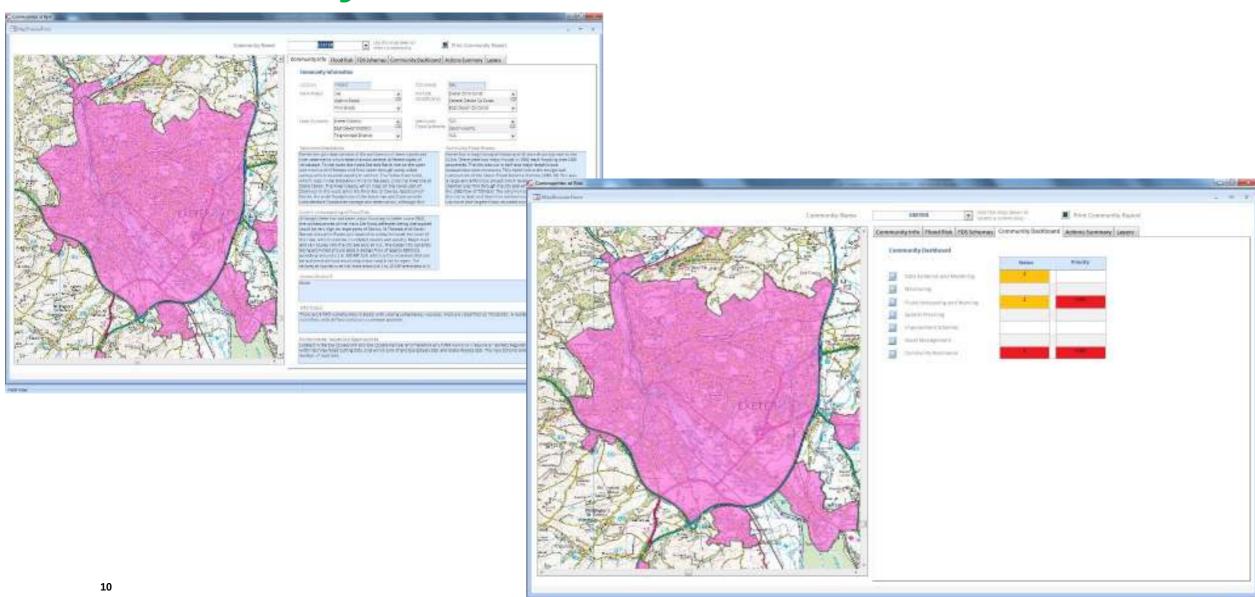
Are there any case studies to learn from?







Are there any case studies to learn from?



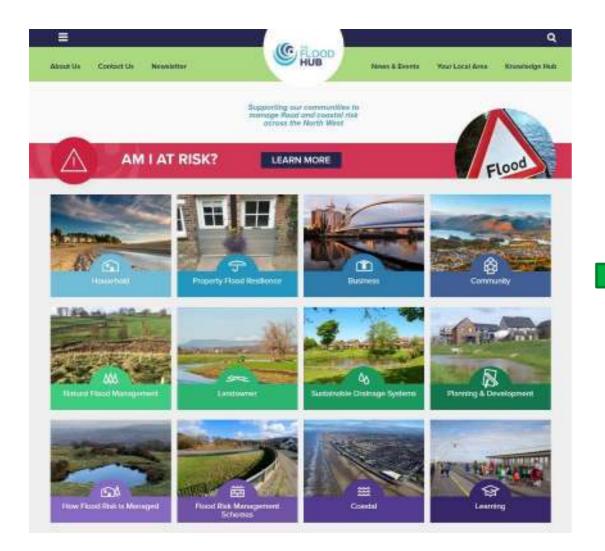
Over to you...

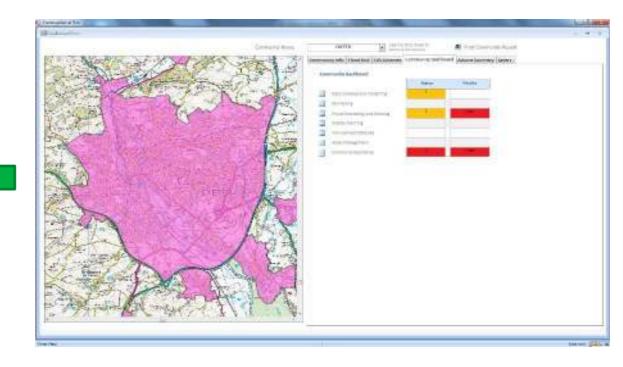
 What would you like from an improved online flood resilience resource?

- What information would you like to have access to?
- What resources would be useful for you?
- What information you need doesn't exist at the moment?
- What could be simpler?
- What functionality would you like it to have?



Current thinking

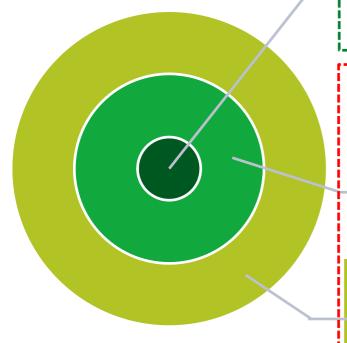






Format

(thoughts thus far)



Community resilience profiles; scoring community resilience levels

Community Resilience Profile:

- Level(s) of resilience
- Management intent
- Actions
- Adaptation tipping point(s)
- 'Professional partner' version to aid with programming and investment decisions



FCERM Activity Strand

Risk Source Coastal Tistal' Fluvial. Burface Groundwater Visitor. Strategic = Evidence = Modelling & Mapping) Monitoring Ξ Forecasting & 2 = Warning Preparedness. & Response Defences / Assets Exceedance . WWWP Planning & Grawth

accessible flood risk information for the public

Clear, consistent,

- Self-assessment of resilience
- •News
- Signposting to useful information

Web-hosted portal to:

- ·Display 'public' version of community resilience profiles
- Access general and community specific information
- Depict planned activities

A web portal for communities to access information more easily



Questions

Thank you



