

Local Authority led community resilience projects – successes and challenges

Peter Bulmer
Cheshire West and
Chester Council



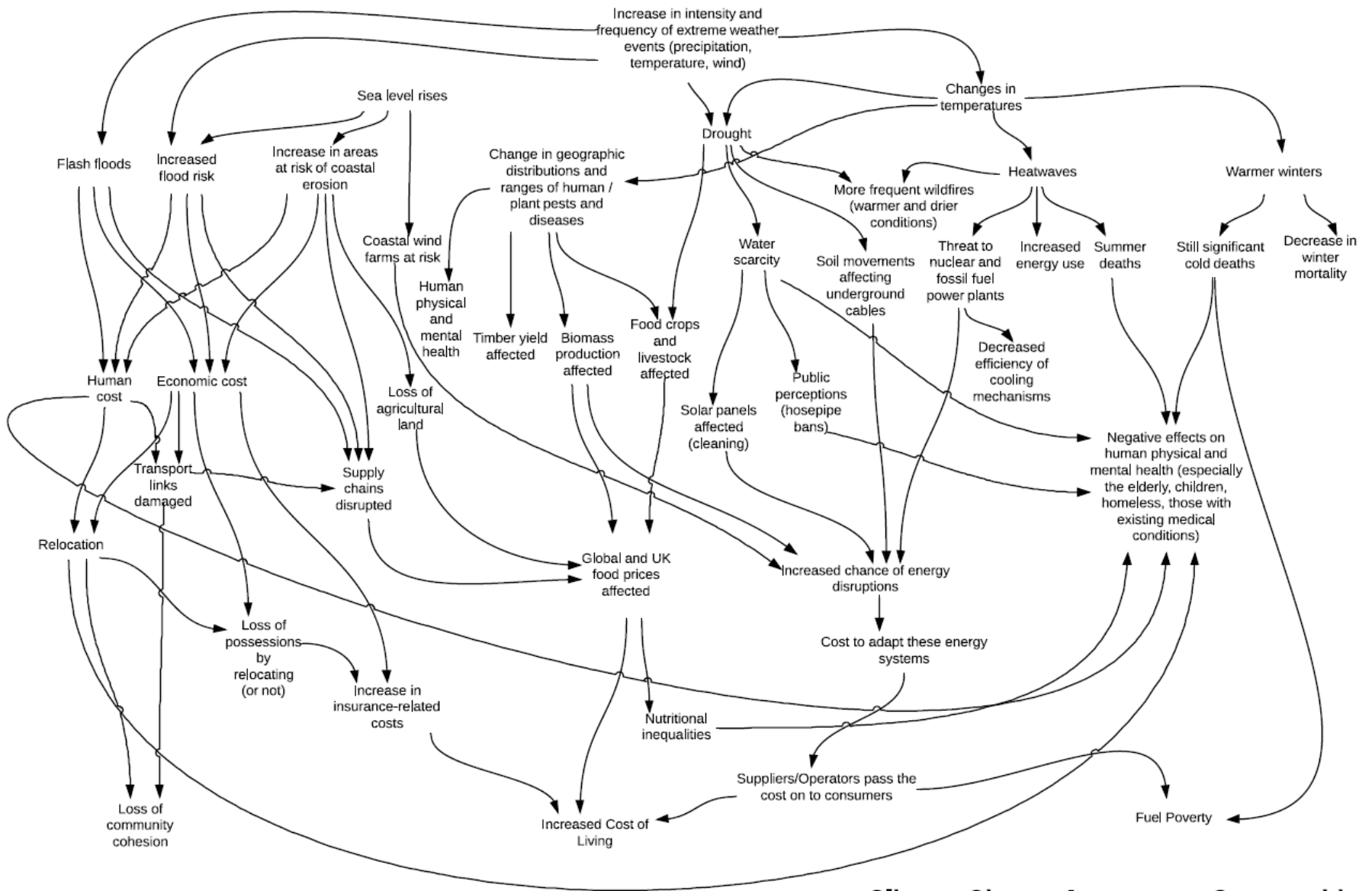
Understanding Community Resilience

- Reliance on complex and interdependent infrastructure, e.g. food supply chain, transport networks
- In 2007, UK hit by major floods in Gloucestershire, Hull, Sheffield.....
- Pitt Review highlighted benefits of community resilience
- So what is community resilience?
 - *‘Communities and individuals harnessing local resources and expertise to help themselves in an **emergency**, in a way that complements the response of the emergency services.’*



The flood in Cockermouth, 19th-20th November 2009



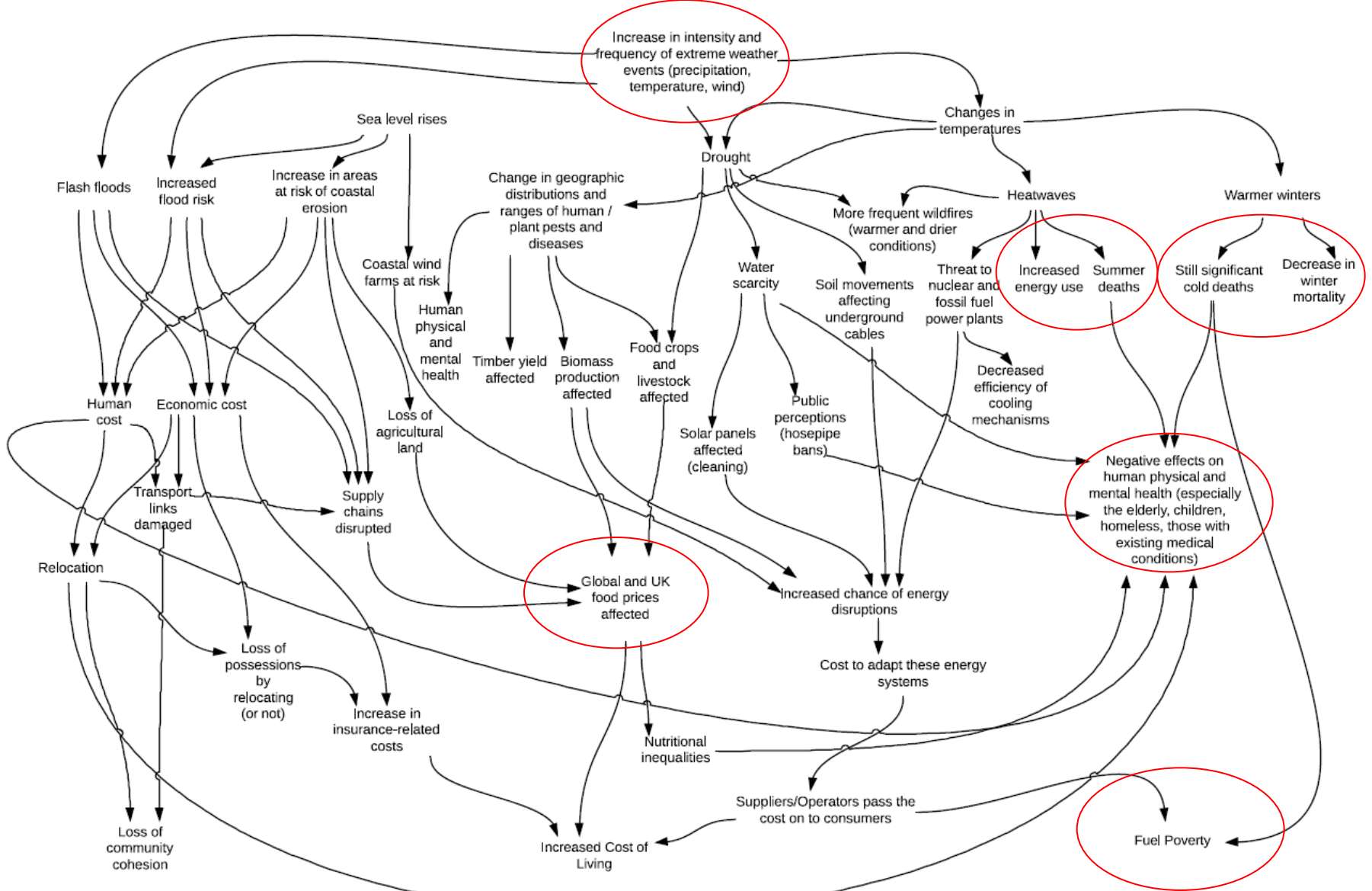


Climate Change Impacts on Communities

Collingwood Environmental Planning



Cheshire West
and Chester
Collingwood Environmental Planning



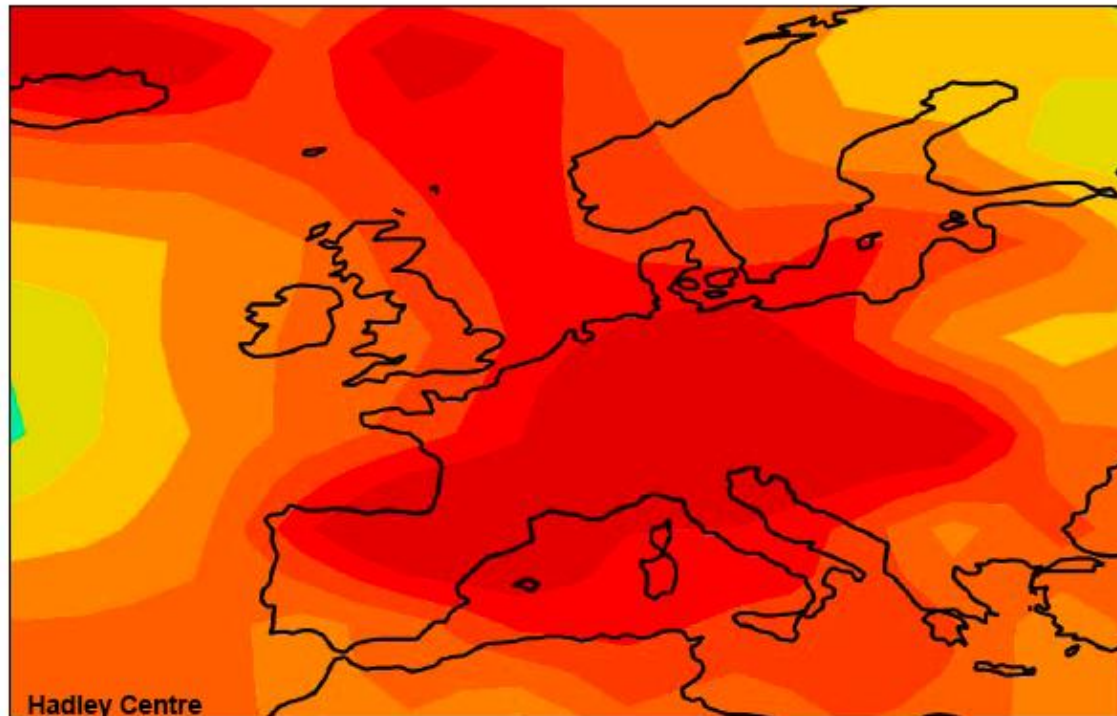
Climate Change Impacts on Communities

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Cheshire West
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Recent extreme event: the heat wave in Europe of 2003



Europe:

30,000 deaths attributed to the heat wave

Forest fires and crop damage seriously impacted economy

Economic losses in excess of £7.5bn

England (3-14/8/03):

Excess mortality

All ages: 2091(17%)

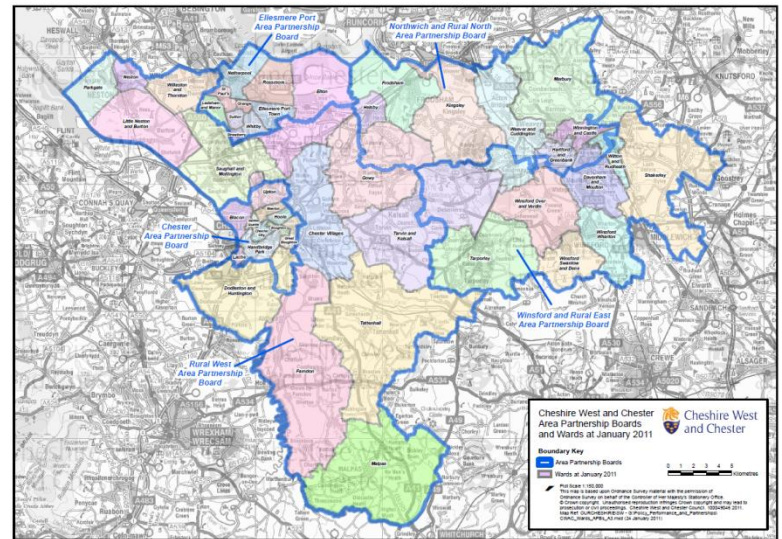
>75: 1781(23%)

Emergency hospital admissions (>75)

1490 (6%)

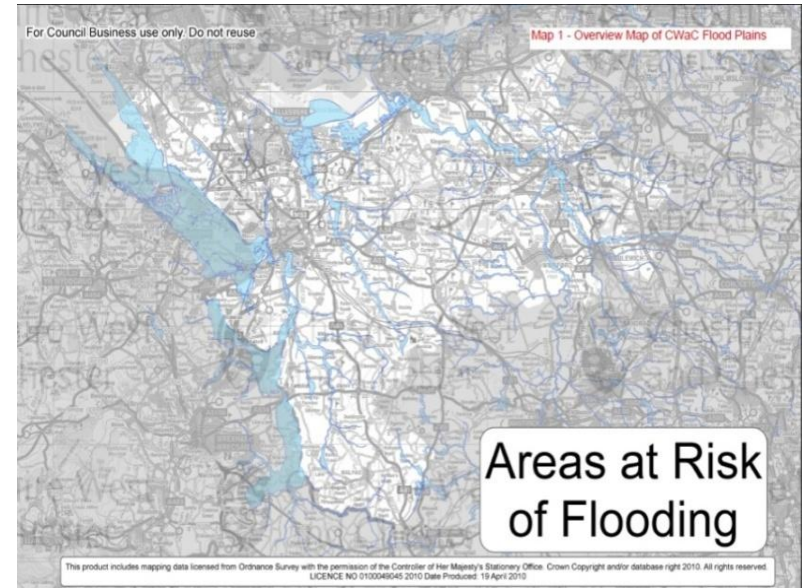
Community Resilience in Cheshire West and Chester.....

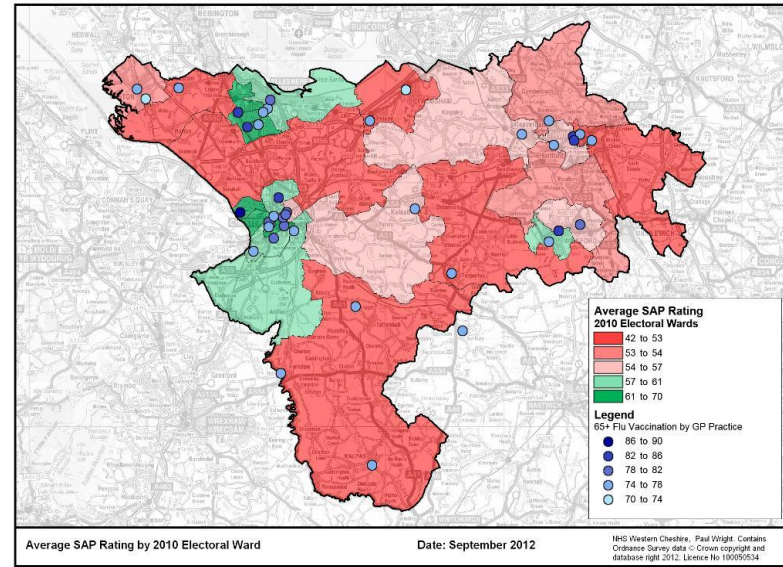
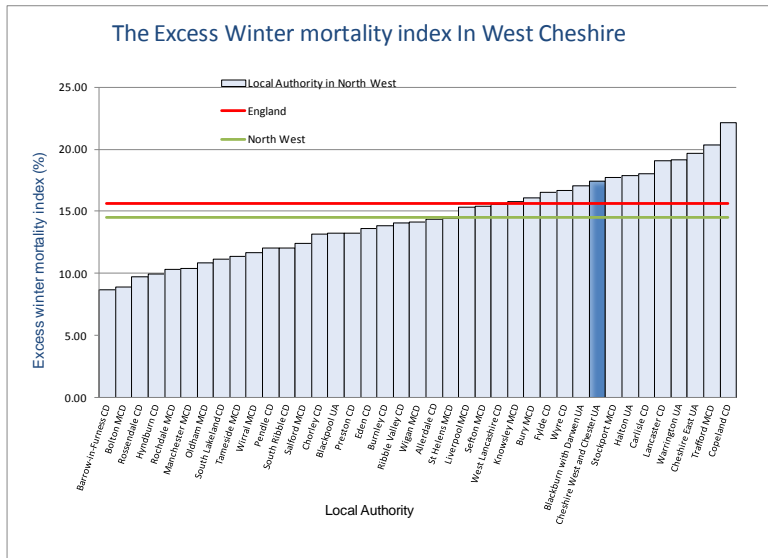
- Jan 2010 - worst snow in 30 years!
- Several rural communities cut off by snow
- Audience? 90 Town/ Parish Councils
- Similar work in Cheshire East
- Pilot work in Ashton Hayes
- Roll out process/ guidance across Cheshire West over few years



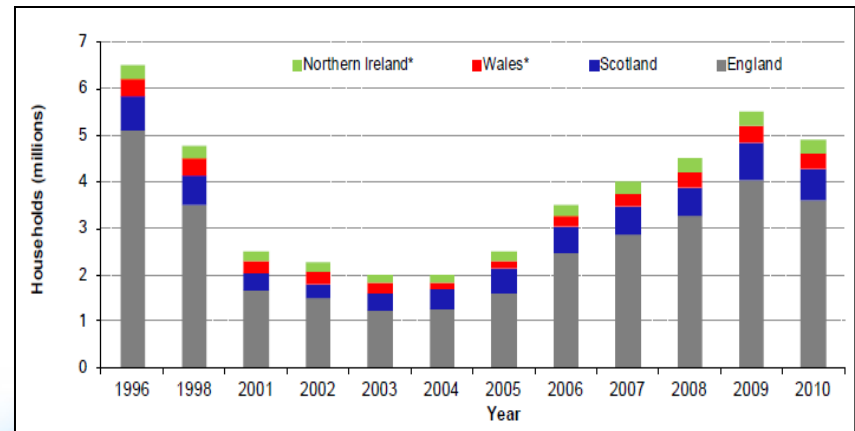
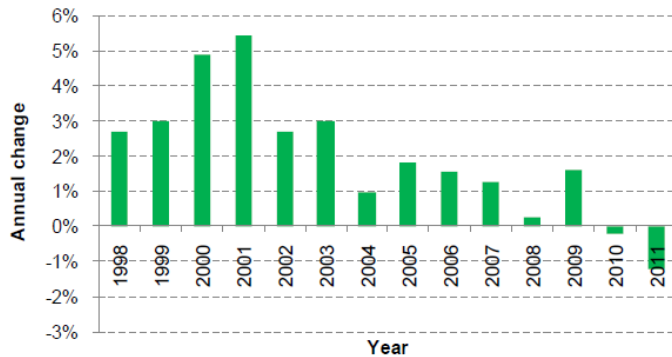
Data

- JRF, University of Manchester
- Flood Risk Maps
- Fire & Rescue Service info
- NHS: Excess Winter deaths, Heatwave stats, Tips and falls, AnE admissions etc
- EA/DEFRA: National Climate Change Risk Assessment
- Local Authorities: Flood/Highways, Assisted bin round





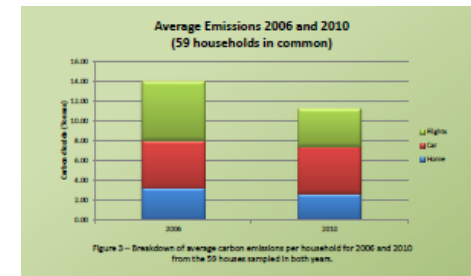
Year-on-year change in real disposable household income, UK, 1996-2011



Ashton Hayes




- 26th January 2006: Project launch, 400 +
- Started with home energy surveys/ efficiency measures
- Moved on to renewables
- Community owned and run Village Shop
- Low carbon sports pavilion and electric community car
- Micro-grid, school



Climate Resilience Community Plan

Contents

1. Local risk assessment
2. Local skills and resources assessment
3. Key locations identified with emergency services for use as places of safety
4. Emergency contact list
5. Sample telephone tree
6. List of community organisations that may be helpful in identifying vulnerable people or communities in an emergency
7. Activation triggers
8. First steps in an emergency
9. Community Emergency Group first meeting agenda
10. Actions agreed with emergency responders in the event of an evacuation
11. Alternative arrangements for staying in contact if usual communications have been disrupted
12. Adaptation action plan



Ashton Hayes Climate Resilience Community Plan

Plan last updated on: 18th April 2012

If you are in immediate danger call 999

www.ashtonhayescc.co.uk
www.ashtonparishcouncil.co.uk

Local risk assessment and action plan

Risks	Impact on community	What can the Community do to prepare?
Floods – Ashton Brook	<ul style="list-style-type: none"> • Potential homelessness • Flooding of local streets • Access to village • Residents unable to go to get back food, equipment • Damage to property 	<ul style="list-style-type: none"> • Encourage residents to monitor home food defences • Work with local emergency responders to see if they can help with distribution of food warning and any evacuation and rest centre establishment resource • Find out what food defences exist or are planned in the area • Ashton Hayes has identified Rest centres and has designated Rest Centres/Evacuation plans. This plan identifies other premises that are available
High winds	<ul style="list-style-type: none"> • Structural damage to buildings and residential properties • Power lines supply outage • Access to village • Potential temporary evacuation of residents • Potential homelessness • Need urgently to secure and make safe property 	<ul style="list-style-type: none"> • Ashton Hayes have identified Rest centres and has designated Rest Centres/Evacuation plans. This plan identifies other premises that are available • Prepare list of local building contractors

Local skills and resources assessment

(Note: The inclusion of private organisations in this list does not imply that Ashton Hayes Parish Council endorses or recommends any of the services provided by those organisations.)

Skill/Resource	Who?	Contact details	Location	When might be vulnerable/ Risk
Food and supplies:				
Water/ food supplies/ provisions	Ashton Hayes Village Shop			Outside normal shop hours out can get on-line/ Electricity supply
Water/ food supplies/ cooking facilities	Ashton Hayes Primary School			Outside school opening hours / Electricity or gas supply
Water/ food supplies/ cooking facilities	Ashton Hayes Nursery			Outside Nursery opening hours / Electricity or gas supply
Water/ food supplies/ cooking facilities	The Goslan Lion Pub			Outside opening hours / Electricity or gas supply
Water/ food supplies/ cooking facilities	The Gosbank Pub			Outside opening hours / Electricity or gas supply
Fire supplies	Fire and salvage			Outside opening hours / Electricity or gas supply for fire pump

List of community organisations that may be helpful in identifying vulnerable people or communities in an emergency

Organisation	Name and role of contact	Phone number
Ashton Hayes Primary School	HEAD: M/C 255582	01282 751211
Ashton Hayes Parish Council	CHUR: ANDREW TAYLOR 01282 751288	01282 751288
Parish Rooms Bookings	BOOKING: OIL 522228	01282 751288
Ashton & Middlewich Community Shop	Manager: DAVE DIGNAM 01282 755025	01282 755025
Ashton House Nursery	Manager: MACKY JONES 01282 751533	01282 751533
Ashton Hayes Village Hall	BOOKING: HELEN JONES 01282 752171	01282 752171
Ashton Worth Time Bank	CONTACT: SUSAN OF CAROLINE 01282 751288	01282 751288
Carbon Neutral	CONTACT: GARY CHARRICK 01282 751776	01282 751776
Ashton & District Gardening Club	CONTACT: TRAVIS JONES 01282 751776	01282 751776
Ashton Hayes Theatre Club	CONTACT: SUELLA LARWOOD 01282 751288	01282 751288
St JORGE'S CHURCH	REVEREND: PAMELA 01282 751288	01282 751288
News from the Pews	EDITOR: LIZ WEAVER 01282 751288	01282 751288
Ashton Hayes Cricket Club	CONTACT: ROBERT LEWIS 01282 751288	01282 751288
Women's Institute	CONTACT: PAMELA TILLY 01282 751288	01282 751288
Ashton Abolment	CHUR: NIGHT WARDENS 01282 751288	01282 751288

Community Resilience Workshops

A key lesson learnt following the 2007 floods in Hull, Gloucestershire & Sheffield was a need for local communities to become more resilient to future major emergencies especially from a severe weather perspective.

Consequently we would like to invite Parish Councils to send two representatives to one of the following 'Community Resilience Workshops' where delegates will learn more about Community Resilience, how to prepare a Community Resilience plan, and hear advice on how to make your communities more resilient to major emergencies.

WORK SHOPS DIARY:

Refreshments Start 6.00pm - Workshops 6.30 -8.30pm

Tuesday 21 May 2013: Barbour Institute, High Street, Tattenhall, Chester, CH3 9PX

Tuesday 11 June 2013: Women's Institute Hall, Church Road, Ashton Hayes, CH3 8AB

Wednesday 19 June 2013: Scout Hut Saughall, Fiddlers Lane, Chester, CH1 6DH



“Communities and individuals harnessing local resources and expertise to help themselves in an emergency, in a way that complements the response of the emergency services.”

**Closing Date:
Friday 10 May 2013**



To book a place please e-mail your name, which Parish you are from & contact details to ruralwest@cheshirewestandchester.gov.uk

**For further enquires contact
01244 973869**

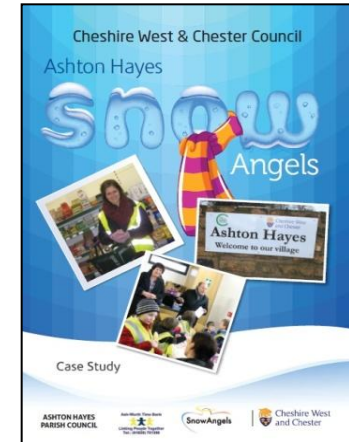
Places are limited
on a first come first served basis



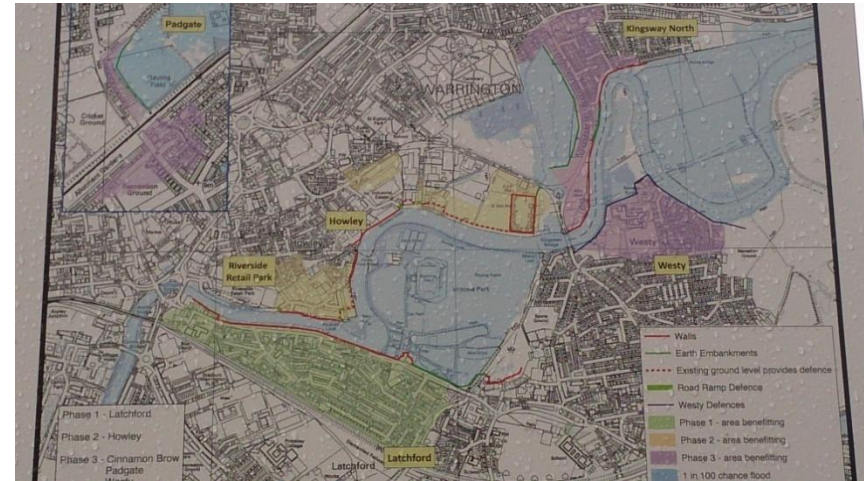
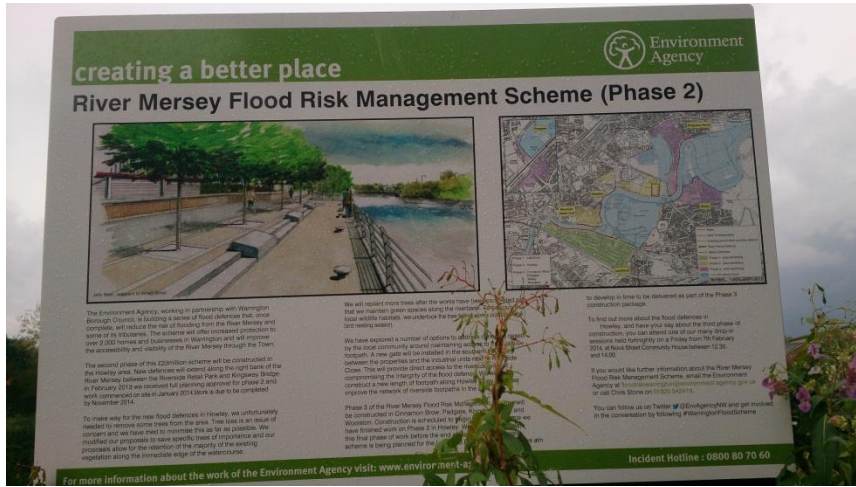
**Cheshire West
and Chester**

Snow Angels

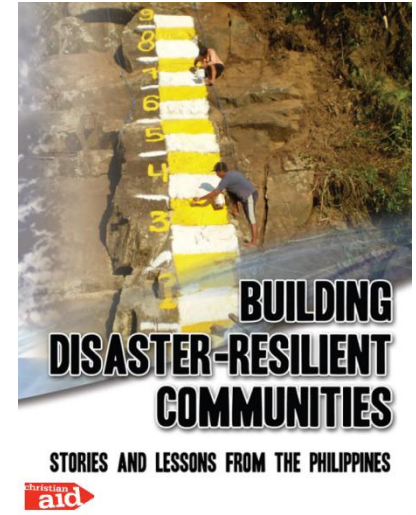
- Vulnerable person paired with a volunteer
- Training
- Regular 'checks'
- Snow/ ice clearance
- Increased volunteering
- Monitoring
- Celebration

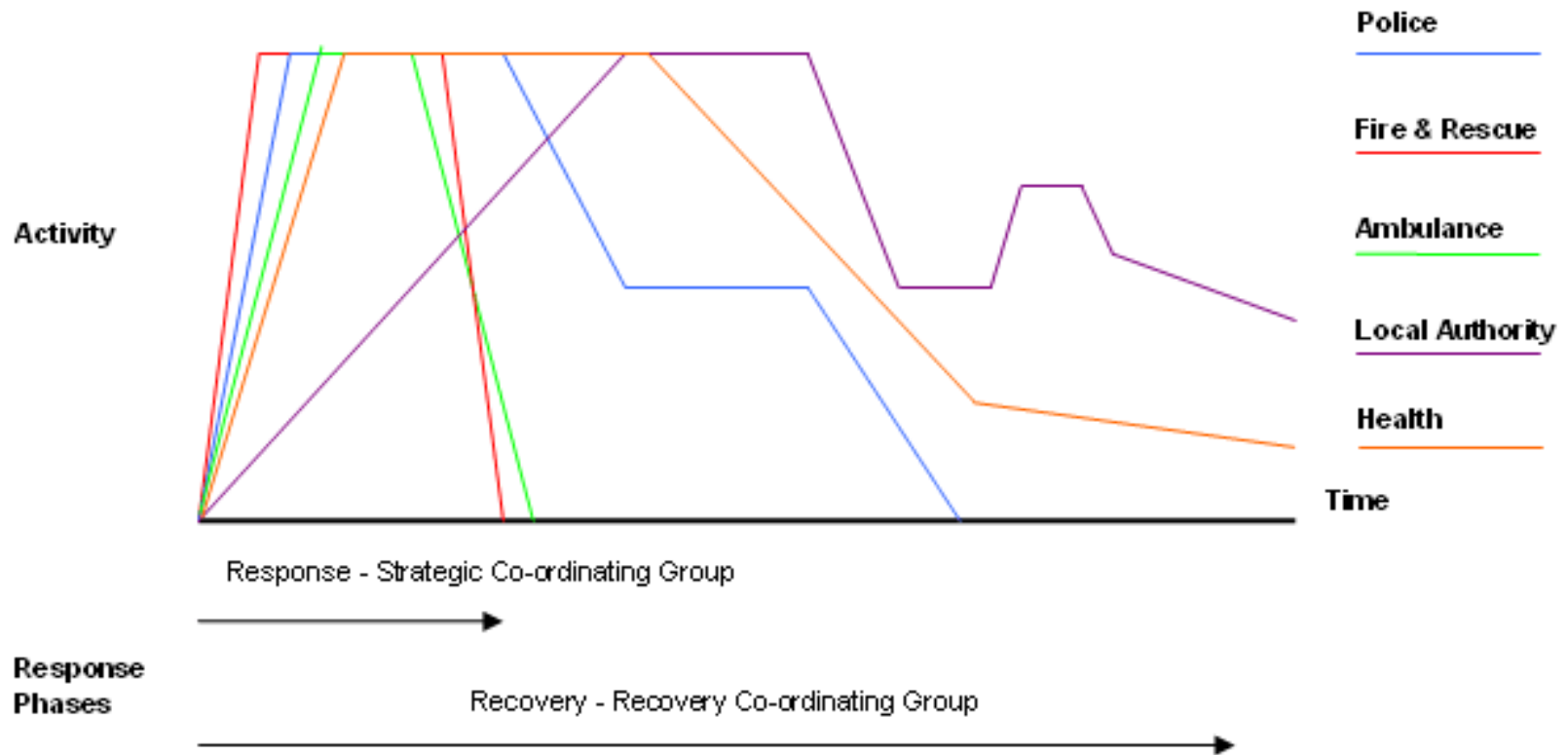


Warrington: Case study



Community Resilience/ Adaptation ?





Resilience can be observed as:

- Resistance – ‘holding the line’ (reactive)
- Bounce-back – ‘getting back to normal’ (reactive)
- Adaptation – ‘adjusting to a new normal’ (proactive)
- Transformation – ‘owning a need to change’ (proactive)

Supporting resilient growth and SME's

Strategic Sites work:

-Ellesmere Port Northern Corridor; Stanlow, Vauxhall, Ince

•Site Profiles and individual discussions

•SME Resilience:

- Weathering the Storm
- Resilience health check
- events
- measures



2014

Stanlow Group
Preliminary climate risk / opportunities assessment

Potential total flood risk
The bulk of the site lies in Flood Zone 3 & does both flood & total flood risks. Currently managed by a combination of concrete flood walls, tidal gates & embanked channels. The CA have done a lot of work building up the bank of the River Coney by several metres - last flooded in over 15 years ago (in 2014 high tide and heavy rain brought down levels to within 10cm of flood barriers and River Coney stopped over into the Dig Canal for the first time in living memory. If such events become more frequent the site will need to convert to more flood defences. The River Coney reservoir centre has landings at the ready for any events but flooding would have to be very extensive to cause operational problems. A small breach in the defences could take the site down but it could recover quickly. There are lots of pumps on standby. Pumping arrangements would be needed to deal with low risk. Options available regarding the measures of maintaining the defences in line with current works. Currently no forward investment activity is planned by the Environment Agency. Their use of modelling of the pumping stations over time (Stanlow & responsibility will just to Essex, Vauxhall, Peck).

Surface water flood risk
There do not appear to be significant surface water flood risks and there is no history of surface water flooding. If it occurred the water would be collected in pits and pumped into the Dig Canal.

Severe weather events
High winds are more of a safety issue than operational hazard. Snow and ice for a few days are not a problem but prolonged low temperatures (-20C) could shut the plant down (as in 2011/12) if the suspended quantity plant maintenance would be made.

Risk of low adaptive capacity
Presence of large numbers of SMEs in sites surrounding the refinery means that there is considerable risk of low adaptive capacity.

Key: High risk, Medium risk, Low risk, Significant opportunities, Limited opportunities, Unknown risk/opportunity

WARRINGTON
Department for Environment and Food & Rural Affairs

Cheshire West and Chester
Cheshire East Council
Quantum
C&A

Summary

- Toolkit, information
- DVD
- Case studies
- Support, contacts
- Definition/ expectations
- Starting point ?
- Service cuts !





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