

Local Impacts in Yorkshire & Humber



Jon Clubb

Climate Change Coordinator, Your Climate

EA Climate Ready Programme in collaboration with ClimateUK

- Sustainability East
- Climate SW
- Climate SE
- Climate EM
- Climate NW
- Your Climate
- Climate NE
- Sustainability West Midlands
- London Climate Change Partnership

- + Devolved Administrations

adaptation is a local issue

- The impacts of climate change will not be equal or fair
- Vulnerable people are likely to be disproportionately affected
- Impacts will vary depending on multiple local factors
- Local solutions can tackle a range of issues, not limited to resilience

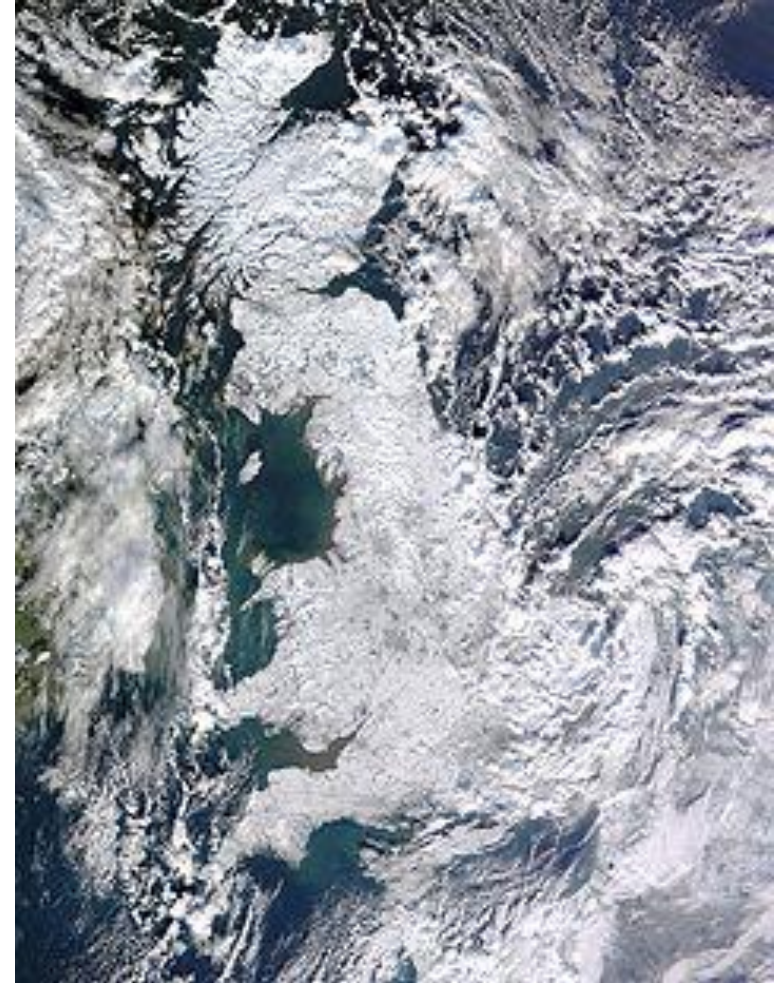
extreme weather?

2000 – flooding	2008 – snow and ice
2001 – flooding	2009 – flooding
2003 – heatwave	2009 – snow and ice
2005 – flooding	2010 – flooding
2006 – drought	2010 – snow and ice
2006 – heatwave	2011 – drought / fire
2007 – flooding	2012 – drought
2008 – flooding	2012 – flooding



‘Britain facing one of the coldest winters in 100 years, experts predict’

The Telegraph, 2 January 2010





‘Smog alert for England and Wales’ , BBC News, 22 April 2011

Marsden Moor Fire, April 2011





“Drought may last until Christmas”

BBC News, 16 April 2012

thunder thursday



A1 closure

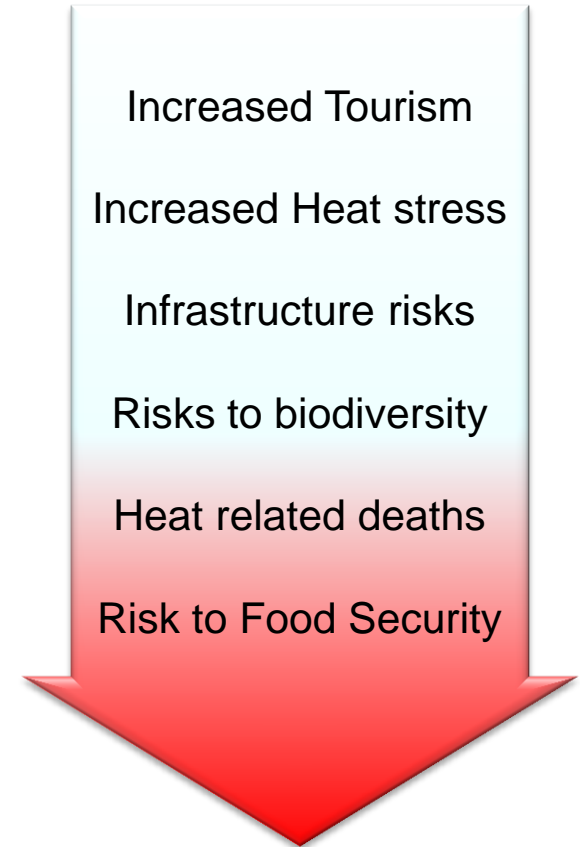
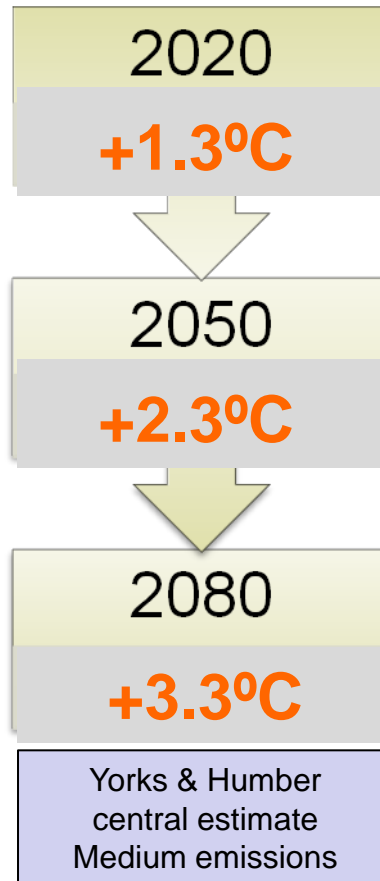
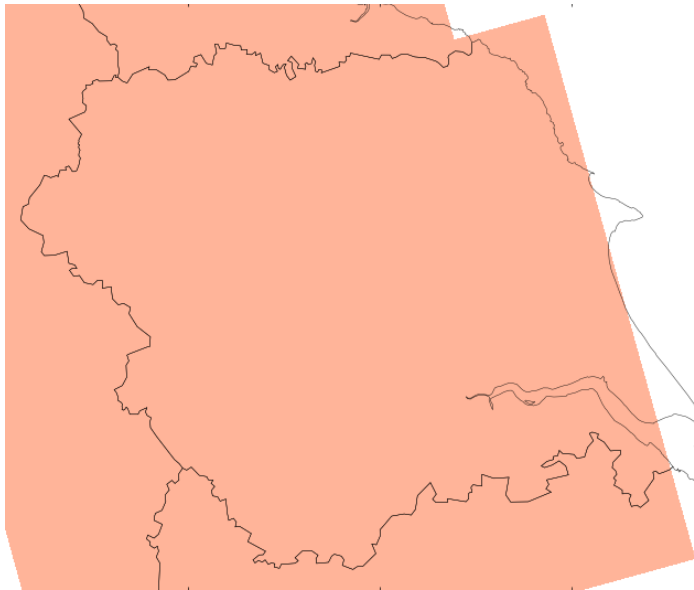
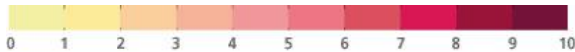


evidence

- UK Climate Projections - UKCP09
- Regional Adaptation Study
- UK Climate Change Risk Assessment 'CCRA'
- Adaptation Sub Committee
- Regional and local assessments

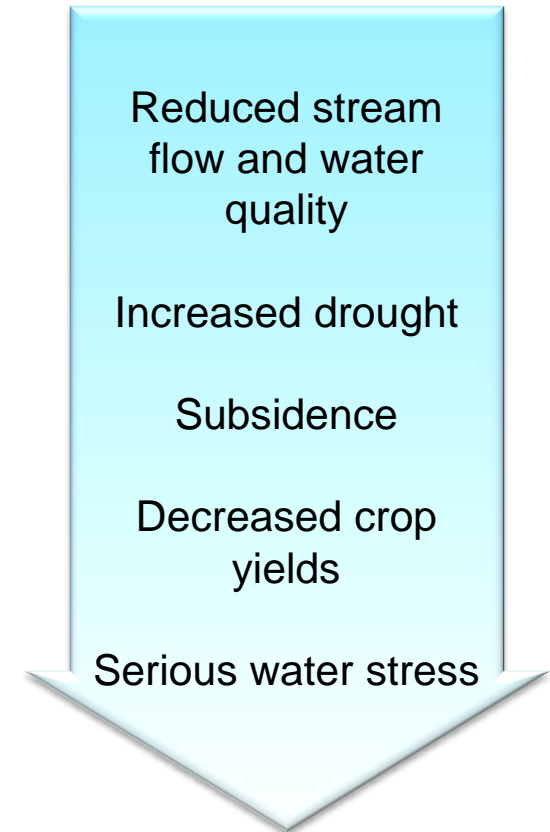
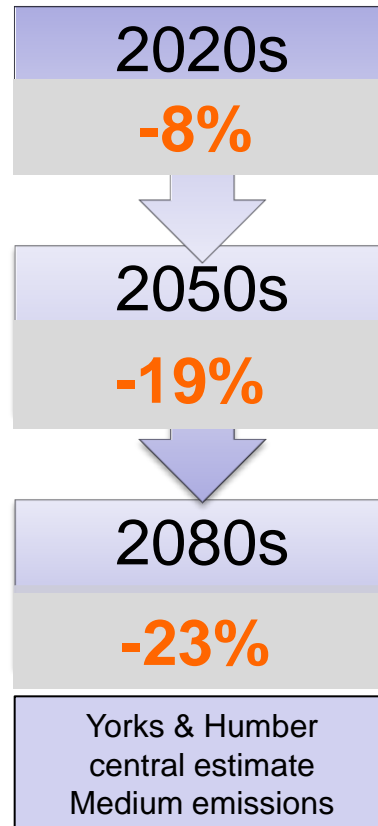
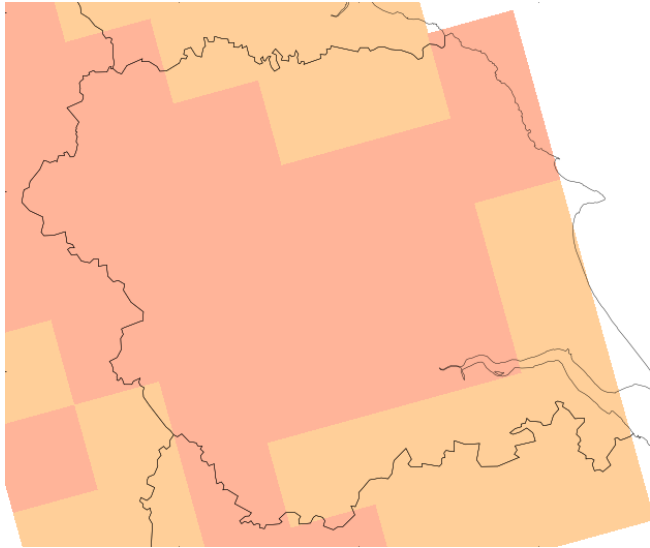


For summer average temperature, we see significant increases over the decades to 2080s



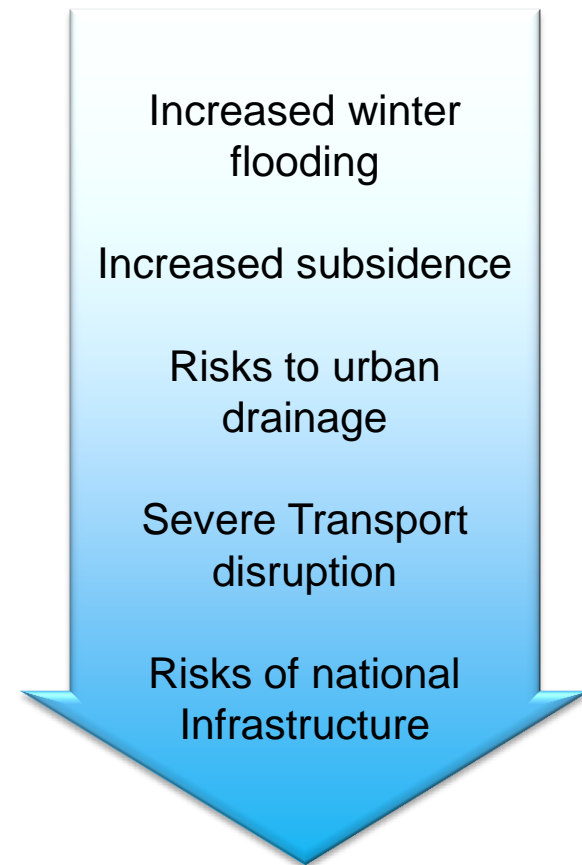
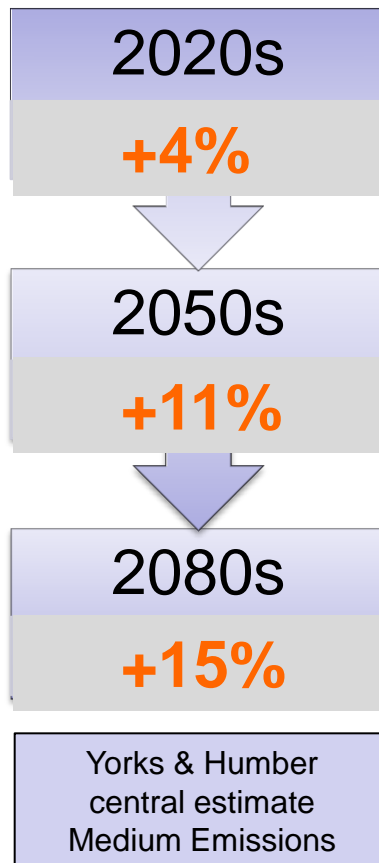
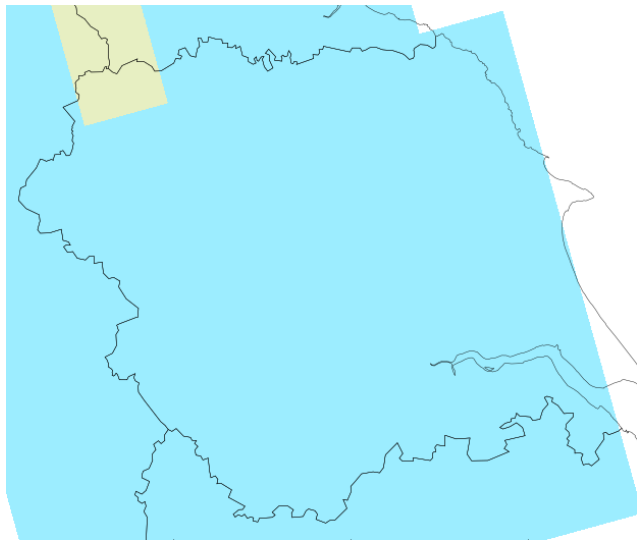
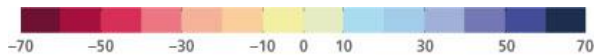
The change for the 2080s is very unlikely to be less than 1.7°C and very unlikely to be more

For rainfall we could see significant summer decreases



For the 2080s the change is very unlikely to be lower than -44% and is very unlikely to be more than 0%.

For rainfall we see significant winter increases



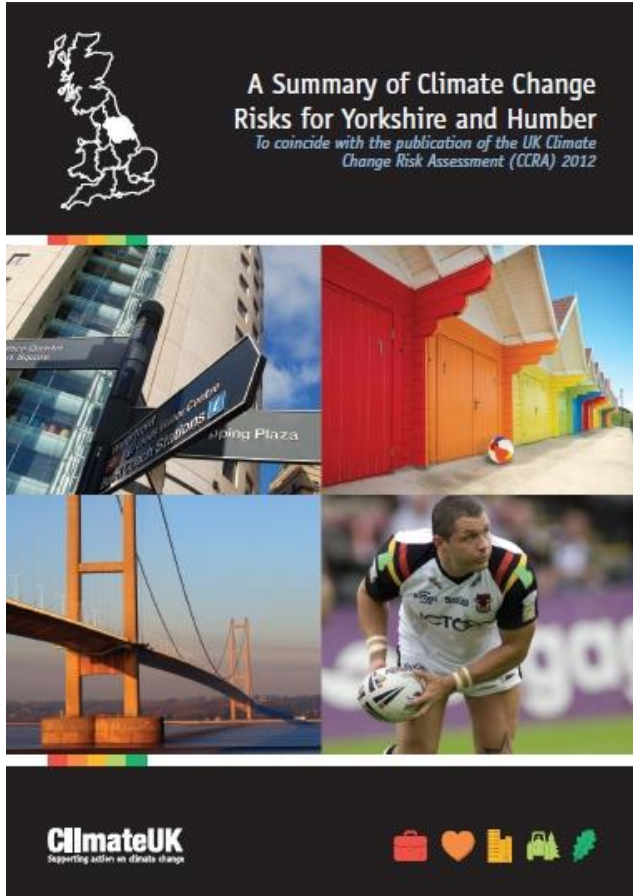
For the 2080s the change is very unlikely to be lower than +2% and very unlikely to be higher than +33%



regional adaptation study

- Annual average temp between 1.8°C - 1.9°C
- Summer average temp up between 2.1°C - 2.5°C
- Extreme hot temp up between 2.8°C - 3.2°C
- Winter rainfall up by 12 – 17%
- Summer rainfall down by 22 – 26%
- Winter snowfall down by 54 – 68%
- Mean sea level increase of 0.35 metres...
with more severe surges.

UK Climate Change Risk Assessment



- Produced for government
- First in a five yearly cycle
- Analysis of over 100 key risks
- Based on UKCP09 data
- Provides robust baseline
- 11 sector reports
- Yorkshire & Humber summary



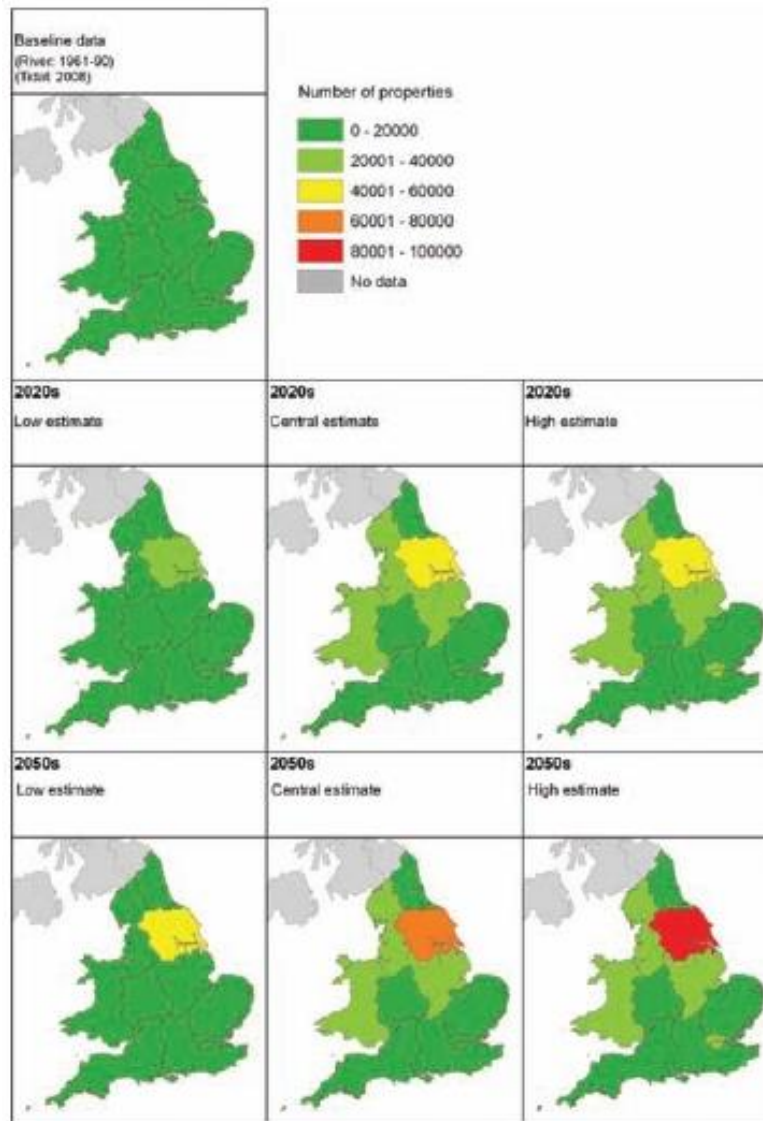
health and well-being

- Health inequalities a significant issue
- Impacts exacerbated by disadvantage

Key implications for Y&H

- Area of high flood risk *and* high deprivation
- Exacerbation of existing health conditions
- Challenges to healthcare delivery
- Changing nature of health needs

flood risk / deprivation



managing risk locally

- local climate impact profiles
- risk assessments
- adaptation action plans

www.yourclimate.org



further information



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