

# Delivering a resilient net zero future: the role of local government

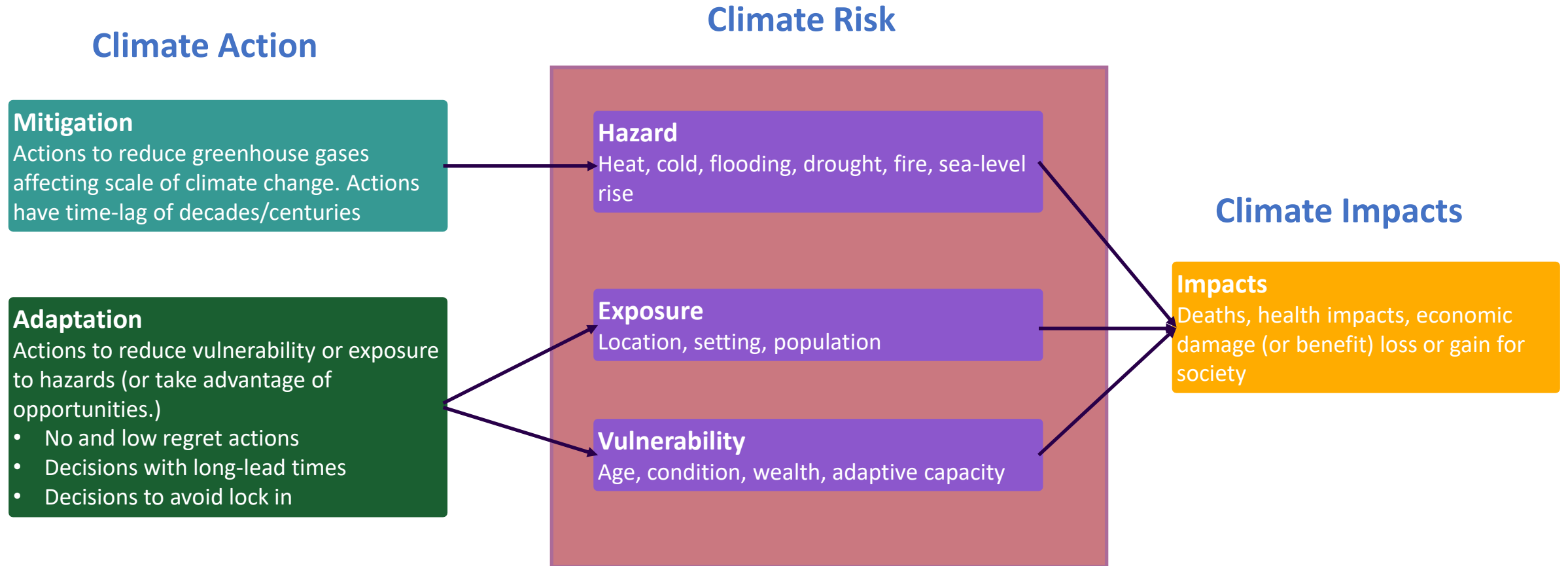
## The work of the CPICC

Julia King, Baroness Brown of Cambridge, Chair CPICC, Chair Climate Change Committee Adaptation Committee

18<sup>th</sup> November 2021

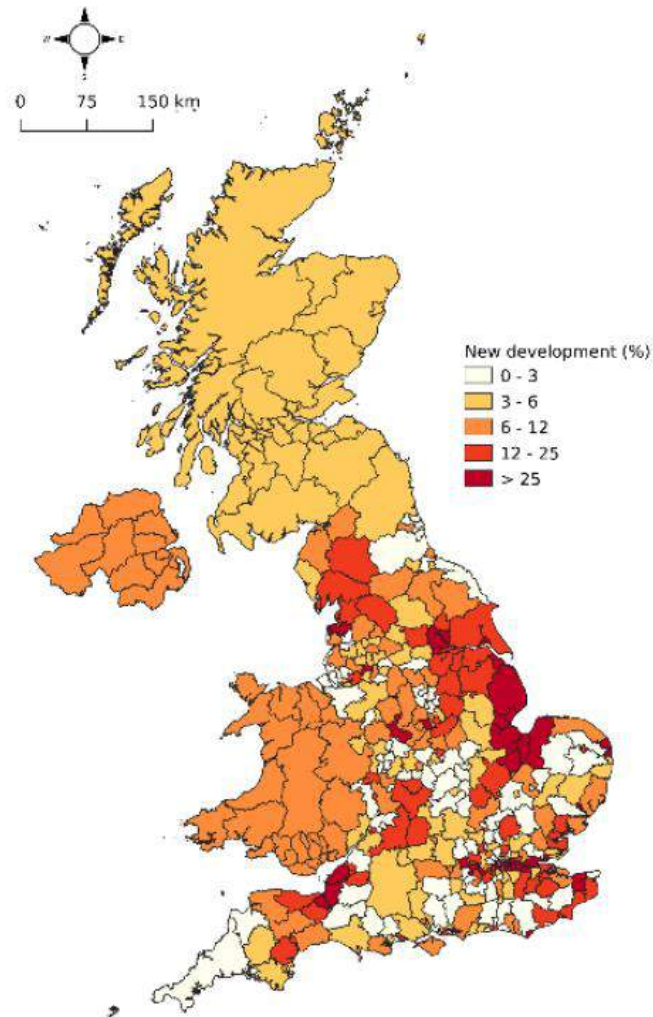
# Reducing emissions is not enough to reduce climate impacts

## Mitigation and adaptation



# Adaptation action is fundamentally local: hazards, location and vulnerability

Proportion of new development in the floodplain: past 5-10 years

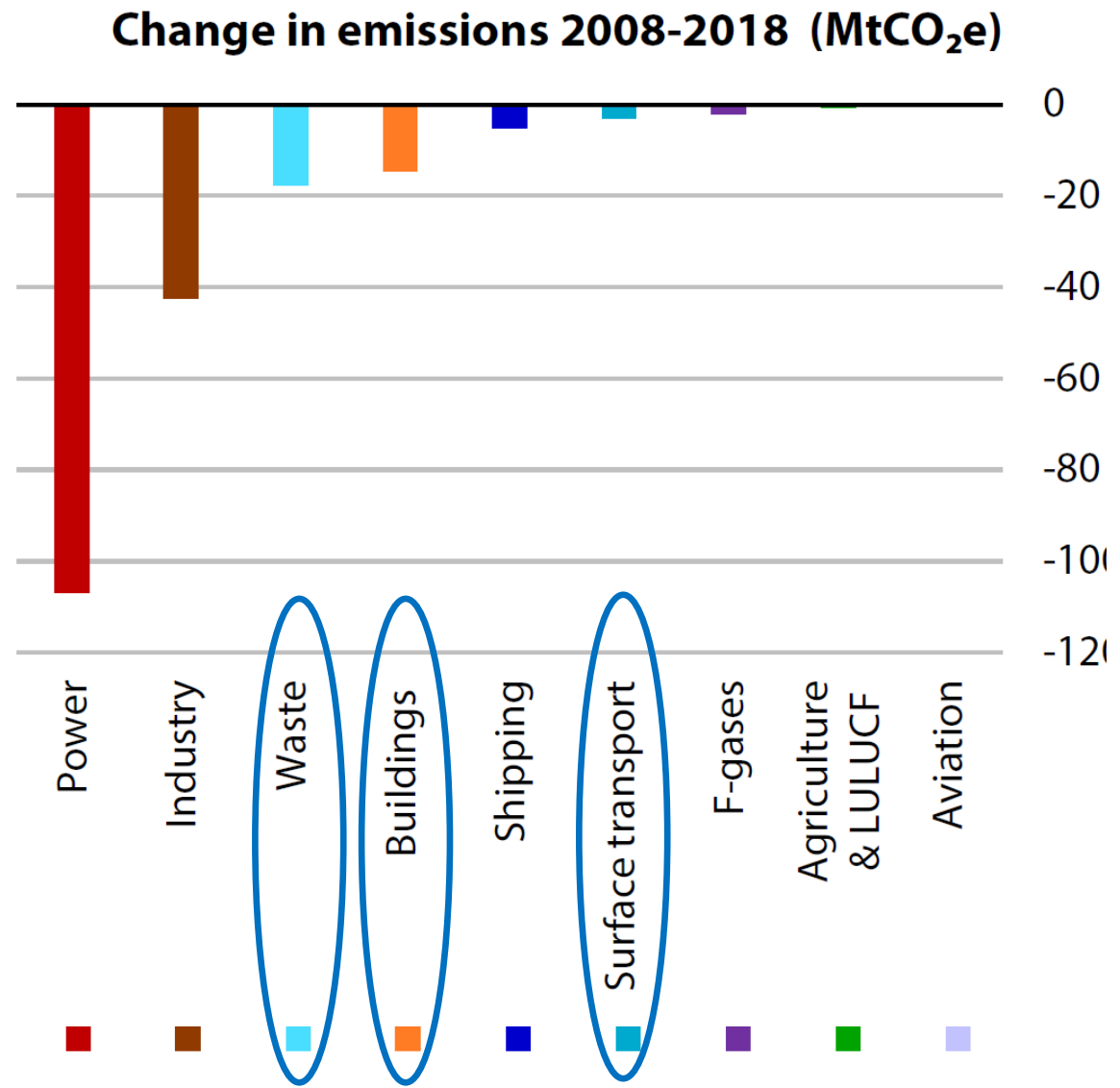
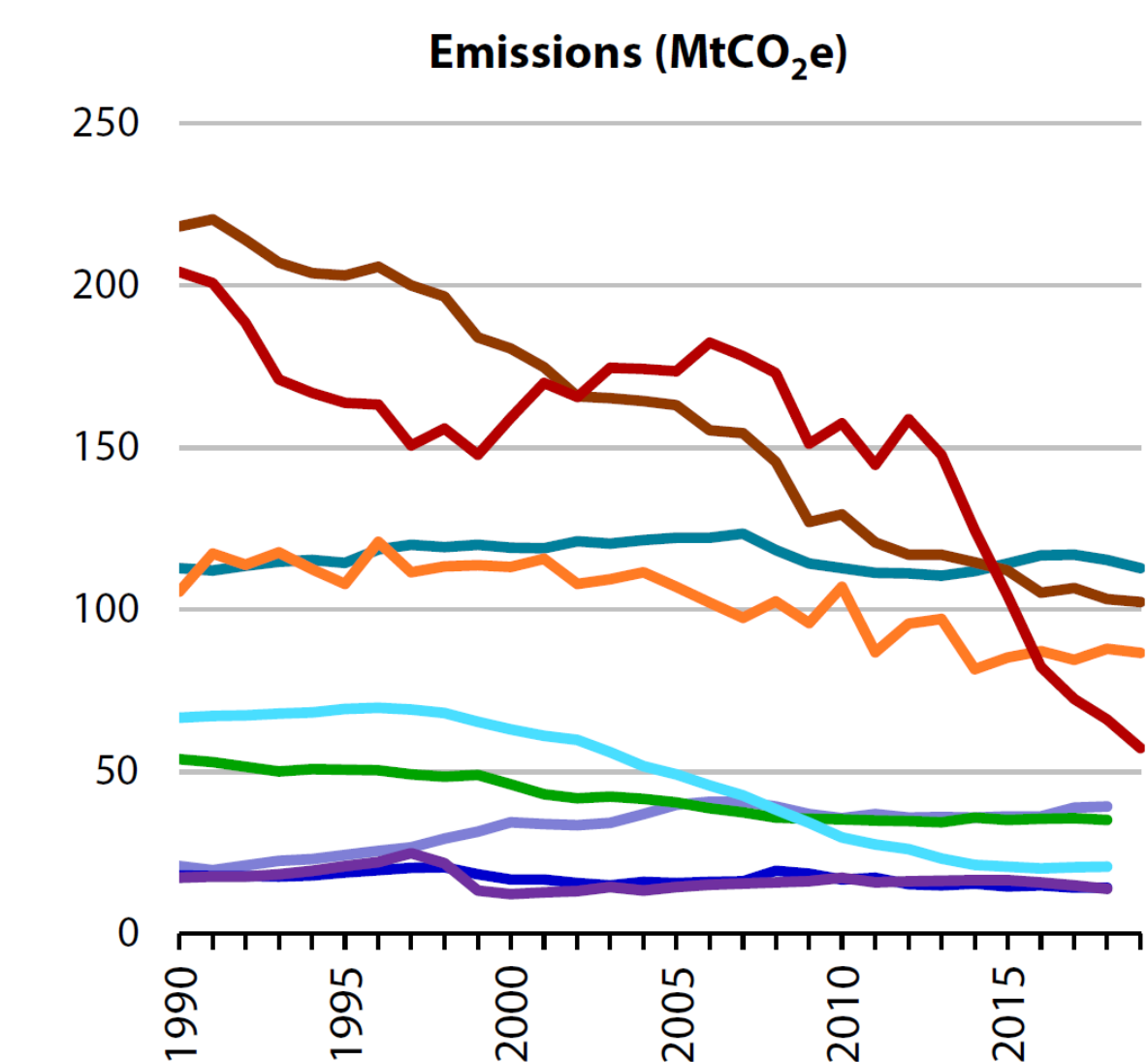


Note: values for Scotland are estimated by Scottish Government. In the absence of data for Wales and Northern Ireland, the UK average is assumed

Note: in some local authority areas (e.g. Hull) there is very little suitable land area that does not sit on the floodplain

# Mitigation is national and global

But local government holds some key levers



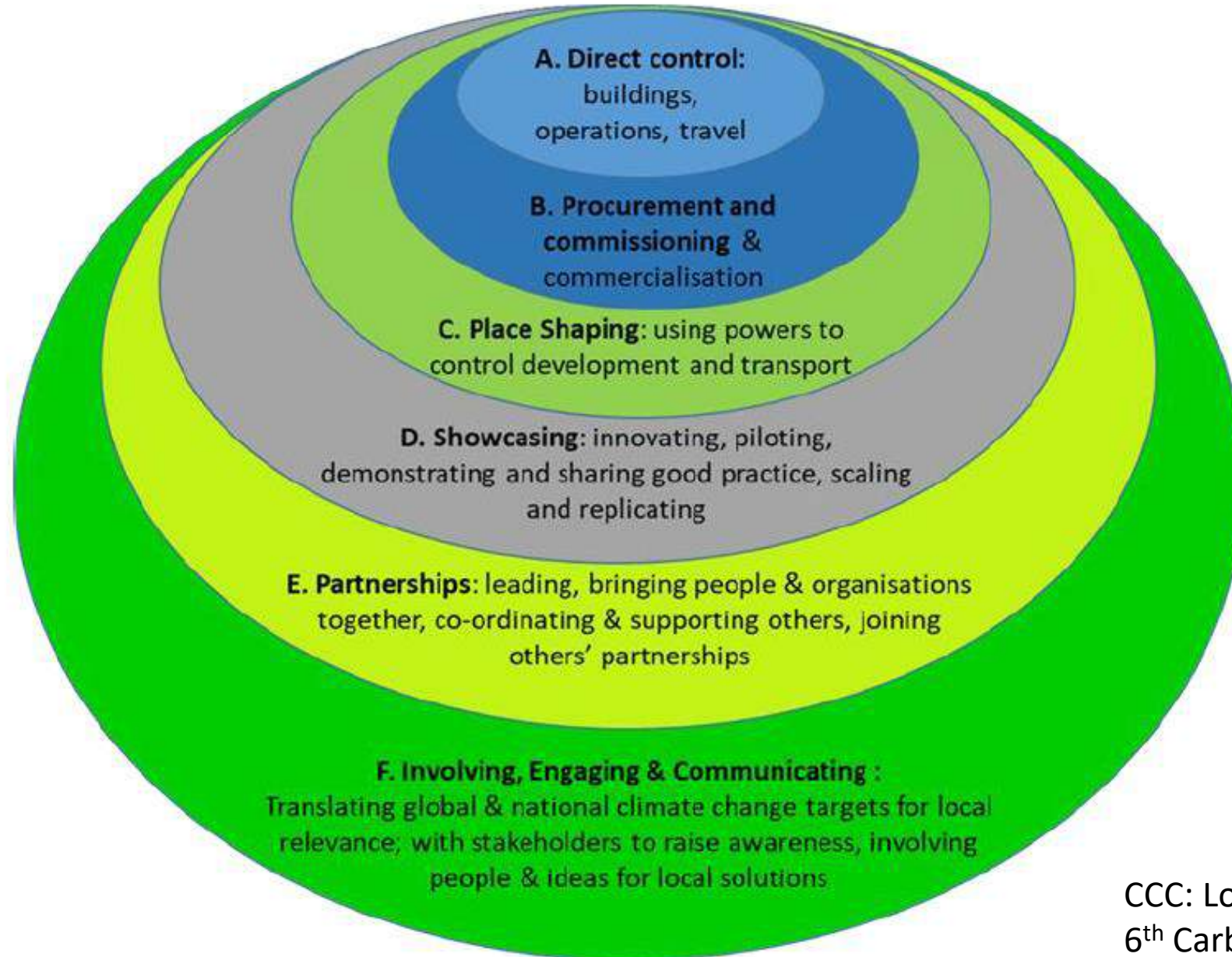
# Local government has a key role to play

Duties, powers and influence



- An overarching role to support the economic, health and social well-being of the community
- Transport and planning powers
- Borrowing and investment powers
- Enforcement of building regulations
- Powers to ensure buildings meet basic energy efficiency standards
- Duties to prevent homelessness and prevent hazards in housing
- Duties to manage risk including climate risks such as flooding
- Duties to protect the environment, wildlife and heritage
- Duties to collect and dispose of waste
- Coordination of key stakeholders
- Communication and engagement to support behaviour change
- Ensuring national support is used to maximum effect locally

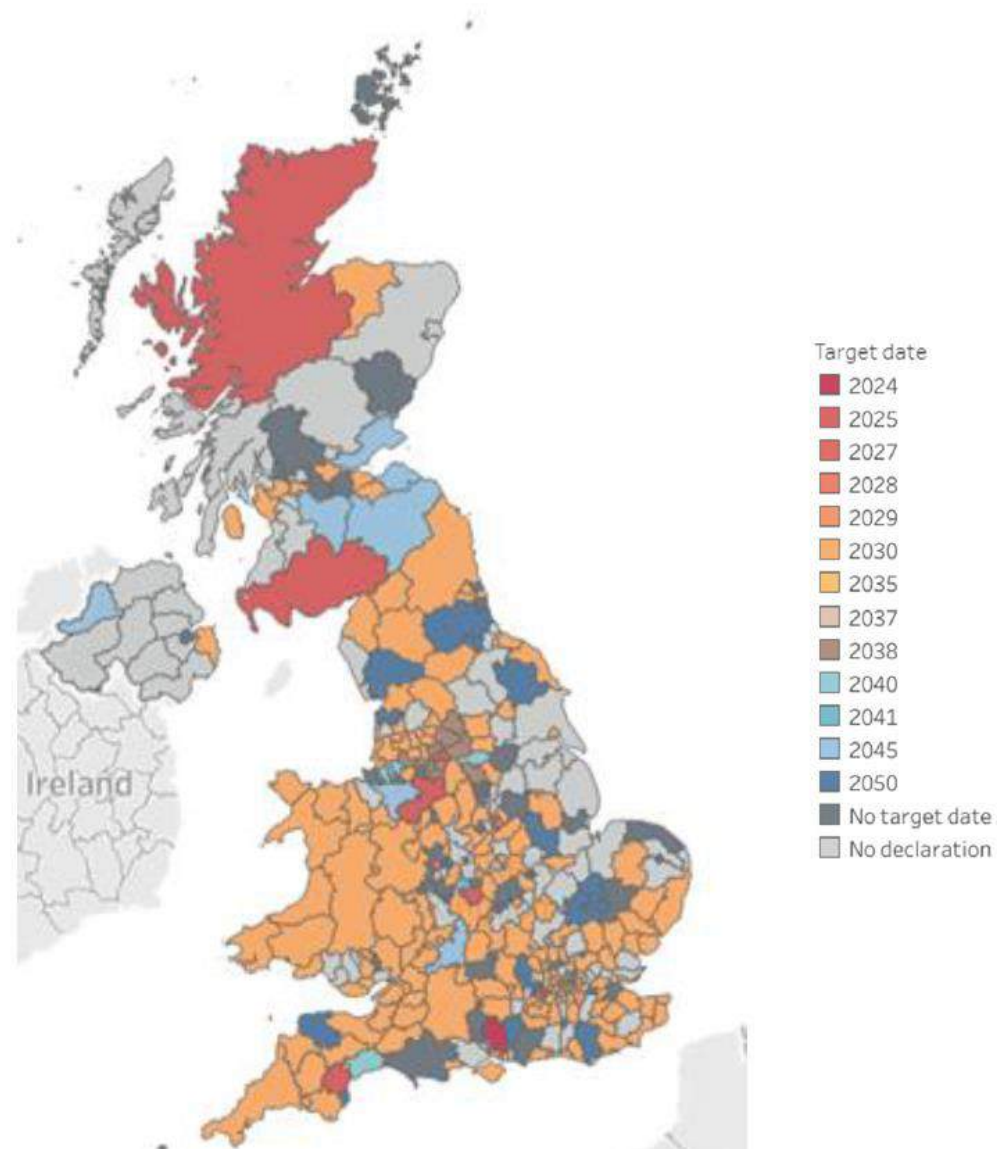
# Local authority influence on climate resilience and net zero





# Local authorities declaring climate emergencies

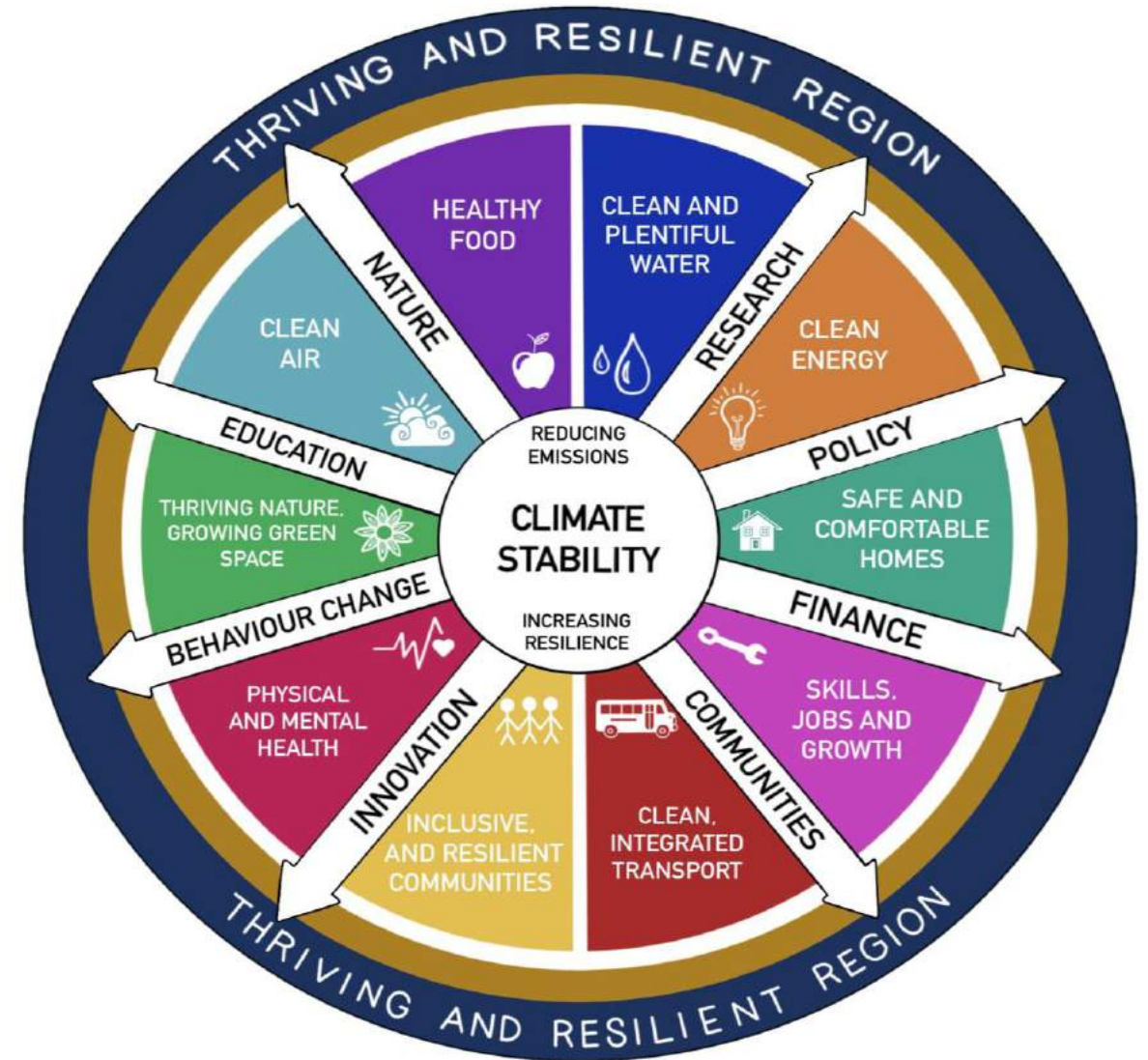
October 2020 picture



# Multiple local benefits to addressing climate change

If it is done in the right way

- More green space
- Healthier homes
- Cleaner air
- Good jobs in the growing green economy
- Improved public transport
- Better health and well-being
- ... and many others

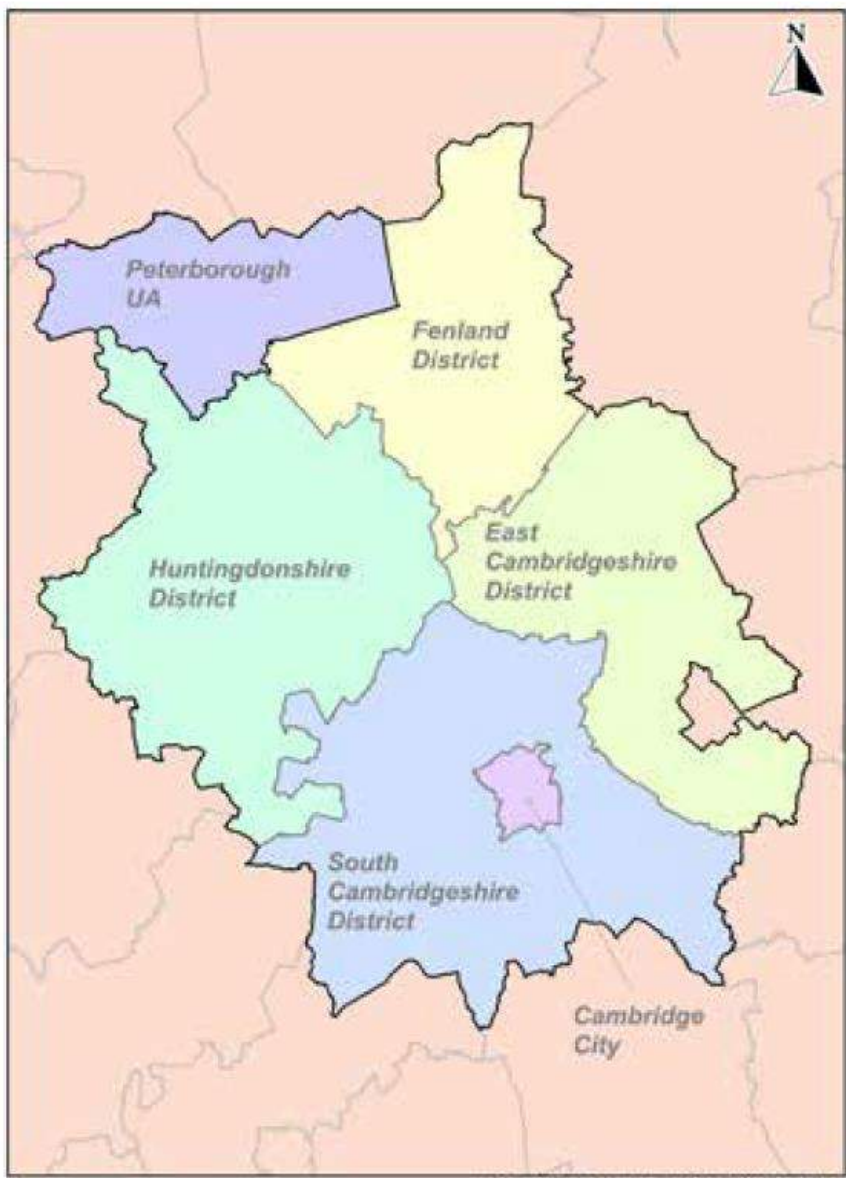


Ensuring fairness is core to delivery is essential



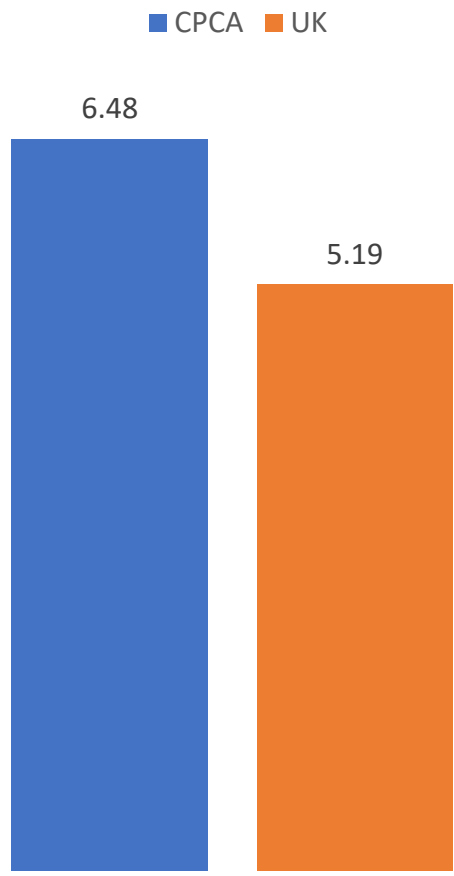
# The Cambridgeshire and Peterborough Combined Authority challenge

## High emissions



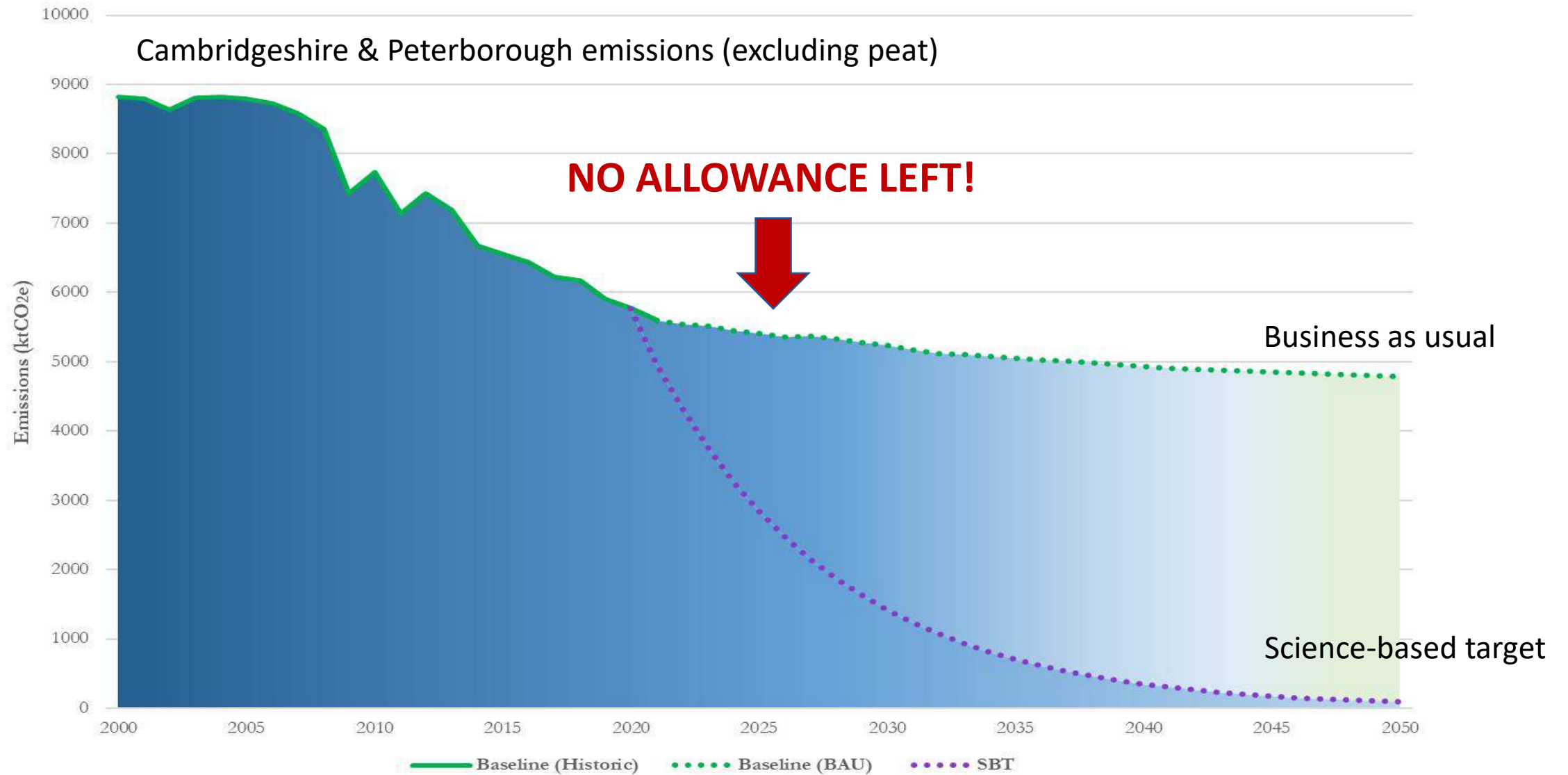
© Crown copyright and database rights 2017 OS 100033268

Emissions per head  
tCO<sub>2</sub>, 2018



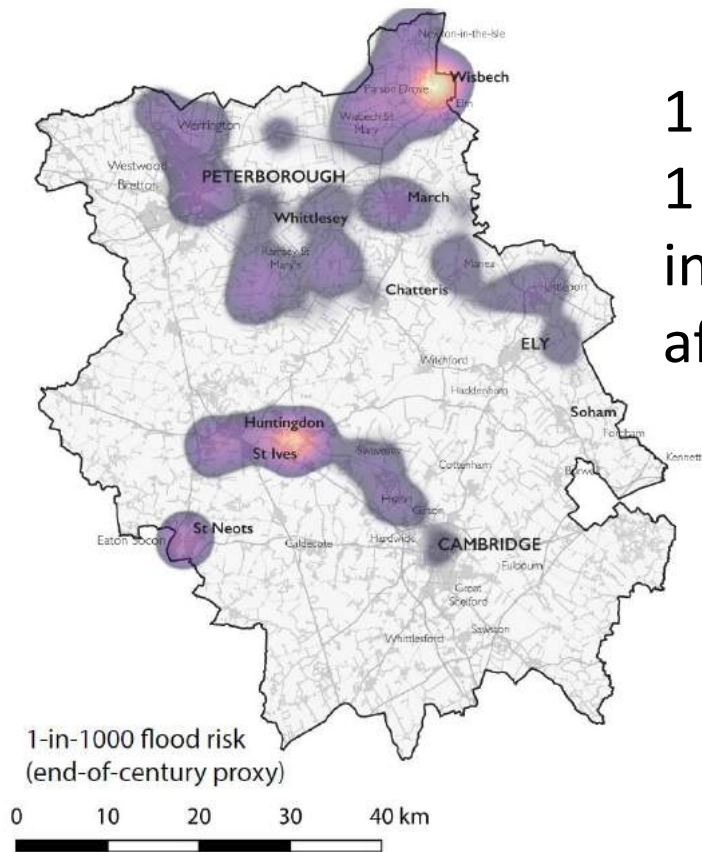
# No time to lose

Only have **6 YEARS LEFT** at current emissions rates



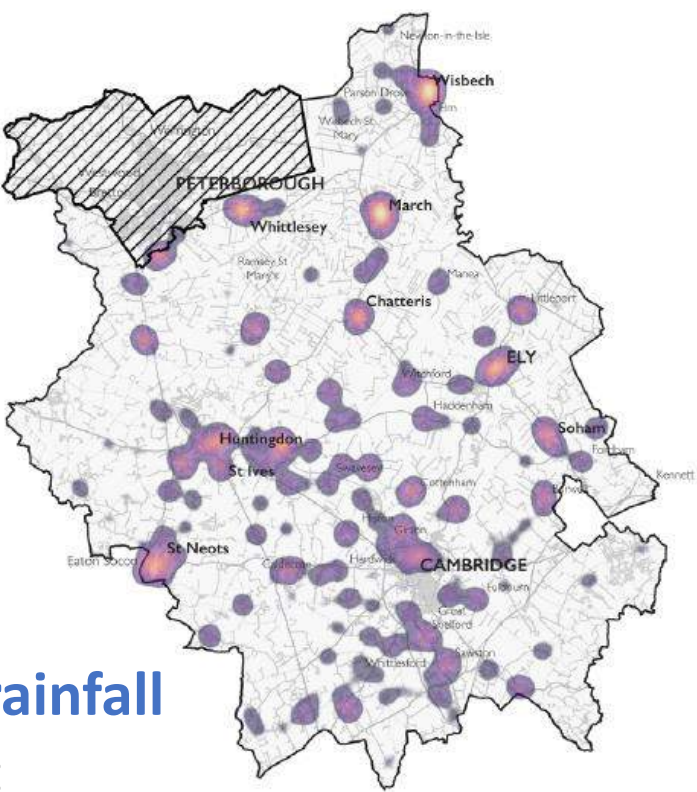
# Flooding

## River flooding: 2100



1 in 10 homes  
1 in 4 agricultural and  
industrial facilities  
affected

## Surface water flooding: Today



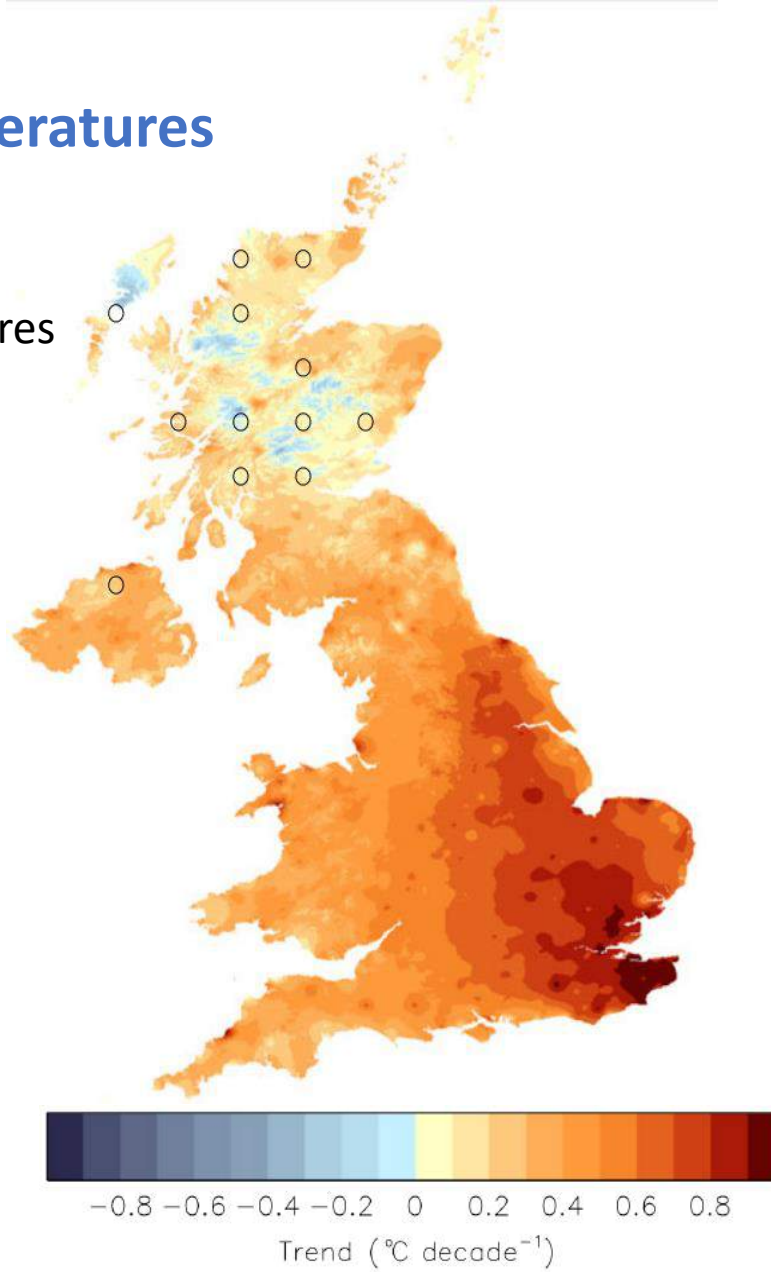
## Winter rainfall

By 2050:  
5-16% higher  
By 2100  
6-41% higher

# Heatwaves and drought

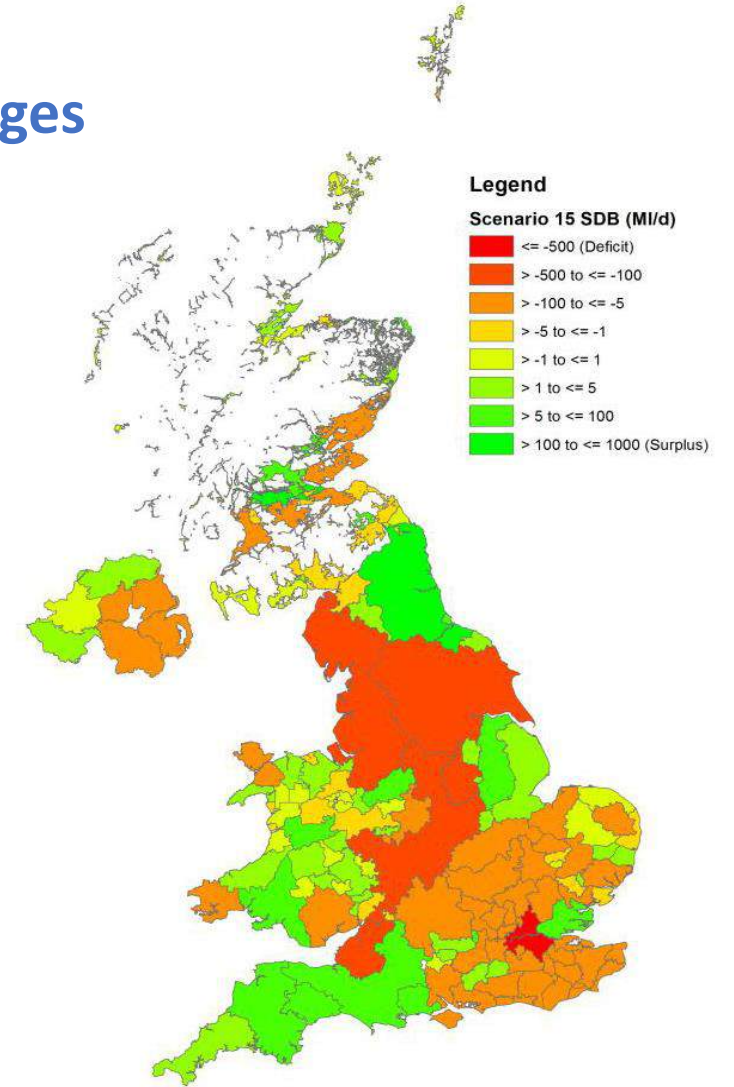
## Scorching temperatures

Rate of increase of  
maximum temperatures  
since 1960



## Water shortages

2050 without  
further action



# A huge task ahead – significant investment needed



## Transport

- All vehicles including over 500,000 cars zero emissions by 2050
- EV charging for everyone
- Growth whilst reducing transport emissions

## Buildings

- More than half of buildings below EPC C
- > 350,000 homes to be converted to low carbon heat
- New build could add 40% to housing stock in 2050

## Investment

- Potential investment of £700m per annum needed over the next 10 years
- Upfront capital, savings later
- Attracting investment and new investment vehicles will be critical

## Land Use

- Peat rewetting/restoration
- Increased green space and nature



## Recommendations for CPCA

Cambridgeshire & Peterborough  
Independent  
Commission on  
Climate

- A **Climate Cabinet** chaired by the Leader of the CA
- A **funded delivery team** to coordinate, champion and facilitate action
- A **climate action plan**: emissions targets, actions, and monitoring
- A **green investment team**
- A plan for **funding green transformation** (eg Green Bonds)
  - housing retrofit
  - nature-based solutions
  - peat restoration
- Lead a programme for **engagement and behaviour change**
- Detailed recommendations on housing, transport, waste, peat, adaptation, skills strategy, business support



Cambridgeshire and Peterborough Combined Authority website