

## Infrastructure

More extreme weather with climate change will disrupt infrastructure services, such as electricity, telecommunications, and transport

! Storm Desmond in 2015 showed telephone and broadband services are vulnerable to flooding

! Better co-ordination and data sharing between infrastructure providers is needed

! Infrastructure failures, such as bridges, can have widespread consequences

✓ Water and energy infrastructure is becoming more resilient

## Natural environment

The health of the natural environment needs to be improved so it can cope with climate change

✓ £15 million allocated for natural flood management projects

! Long-term declines in key species continue

! Targets to improve the natural environment are being missed and are due to expire in 2020

✓ Agricultural efficiency has been increasing

## Flooding

Climate change is set to increase the frequency and intensity of flooding, with four million homes in England already at risk

! 18,000 new homes due to be built in the highest risk parts of the floodplain per year

! Sewer/networks lack sufficient capacity for heavier rainfall

! Sustainable drainage systems are not being widely used

✓ Flood defence spending has increased, with £2.5bn being invested 2015-2021

## Overheating in the built environment

Heatwave temperatures will become a normal summer by the 2040s

! No building standards in place to avoid new homes overheating

! Hospitals, care homes, schools and prisons are not being adapted for warmer weather

✓ Green spaces and trees help to keep temperatures down

✓ Area of urban greenspace is no longer falling

## Coastal regions

Climate change will increase tidal flooding and the rate of coastal erosion. UK waters are becoming warmer and this will affect fisheries

✓ 11,000 homes were protected against coastal erosion between 2010 and 2015

! More action needed to protect communities from coastal change

✓ 60% of coastal habitats are in good condition

! The resilience of UK ports to sea level rise is not known

! There is evidence that plankton is becoming less abundant in warmer UK waters

# Progress in preparing for climate change

Key messages from the Adaptation Sub-Committee's second report to Parliament on the UK Government's National Adaptation Programme