

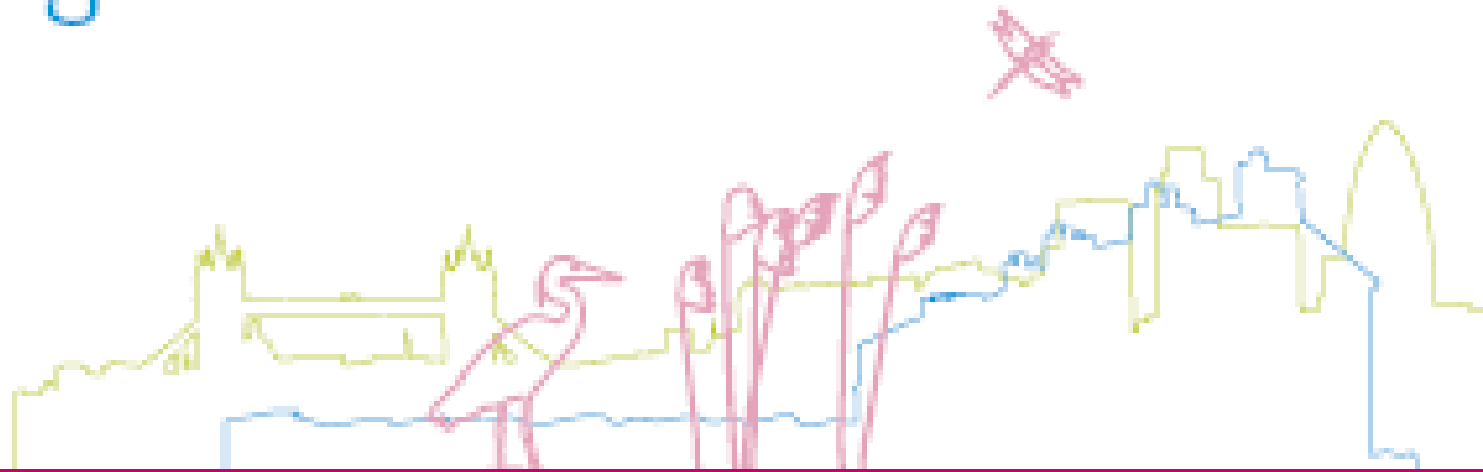
# Adaptation in focus: working together, preparing for tomorrow

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# UK Climate Projections

- ➔ **We need to reduce emissions to avoid the extremes**
- ➔ **We must adapt**
- ➔ **Our work already takes account of climate change**
- ➔ **Existing climate change guidance remains sound**
- ➔ **The importance of working in partnership**

# climate change, adapting for tomorrow



# The frontline of climate change

- ➔ Flood risk
- ➔ Coastal erosion
- ➔ Water resources
- ➔ Wildlife & habitats



Adaptation – people protection and planning.

# Flood Risk



➔ 12.1% properties at risk of flooding in Yorkshire and Humber

# Coastal Erosion



- ➔ 1m sea level rise by 2100
- ➔ Up to 1.9m sea level rise possible.

# Water resources

## changes in river flow in 2050 Y&H



February



September



- ➔ 15% decrease in river flows by 2050
- ➔ 50-80% decrease in some rivers

# Wildlife and habitats



- ➔ **MONARCH Report 2007:**  
Of the 32 species, 29  
were projected to see  
significant shifts in  
suitable climate space





# What next?

- ➔ Translating UKCP09 - science project
- ➔ Our adaptation strategy and functional adaptation plans
- ➔ Long Term Investment Strategy
- ➔ Water Resources Strategy
- ➔ Shoreline Management Plans
- ➔ Catchment Flood Management Plans

## Continued .....

- ➔ Existing guidance remains sound and should continue to be used - PPS25 / TAN15
- ➔ Working with Defra to review findings
- ➔ Will give early warning and interim guidance if anything needs to change

# Where next?

- ➔ **Reduce emissions to avoid the extremes**
- ➔ **We must adapt.**
- ➔ **Part of everything we do.**
- ➔ **Working together**

climate change,  
adapting for tomorrow



[www.environment-agency.gov.uk/adapt](http://www.environment-agency.gov.uk/adapt)