

‘2018 – The year we took climate change seriously?’

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To start - a visual story

The big piece is starting to calve.

We know the risk – do others?

Met Office

State of the UK Climate

Changes in extremes from 1961-90 to 2008-17

Higher maximum temperatures

The average hottest day of the year has increased by 0.8 °C



2008-2017 average: **26.8 °C**
1981-2010 average: 26.7 °C
1961-1990 average: **26.0 °C**

Longer warm spells

Warm spells have more than doubled in length – increasing from 5.3 days in 1961-90 to 13.2 days in 2008-2017



Higher minimum temperatures

The average coldest day of the year has become 1.7 °C milder



2008-2017 average: **-6.8 °C**
1981-2010 average: -7.6 °C
1961-1990 average: **-8.5 °C**

Fewer very cold days

The number of days where max temps don't rise above 0 °C has been decreasing

1961-1990 average: 4.8 days
1981-2010 average: 3.6 days
2008-2017 average: 3.2 days

Shorter dry spells

Overall, the longest dry spells have decreased by 2.5 days on average



More rain on wettest days

Total rainfall from extremely wet days* has increased by about 17%

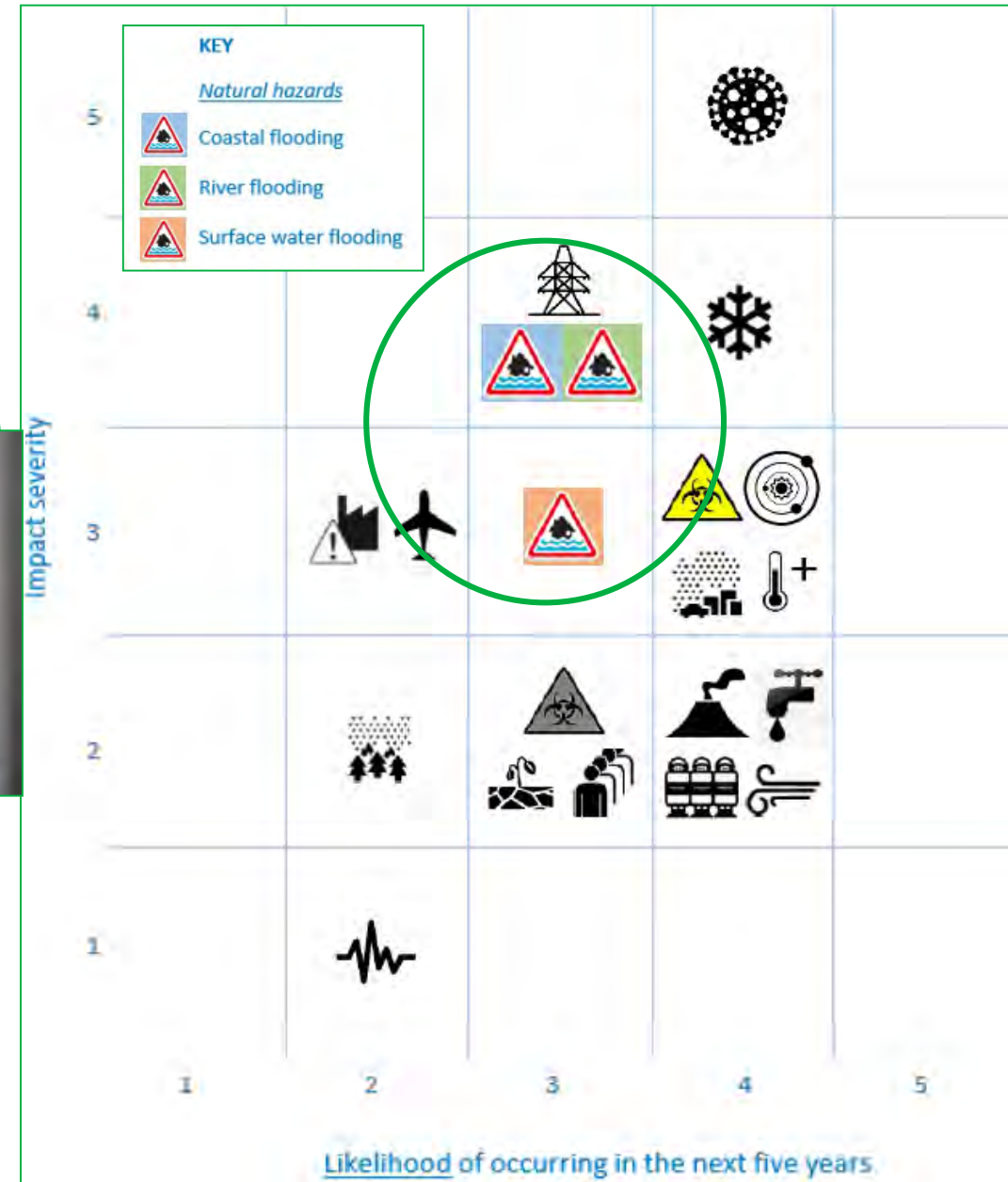


*days exceeding the 99th percentile of 1961-90 rainfall

*For detailed definitions about how these metrics are calculated please refer to the extremes supplement report



For more information about climate science and climate change visit our climate guide
www.metoffice.gov.uk/climate-change



Flood risk is far from theoretical...



... but we've come a long way



Flood warnings - know what to do?



**FLOOD
ALERT**

PREPARE

- Prepare a bag that includes medicines and insurance documents
- Visit flood-warning-information.service.gov.uk



**FLOOD
WARNING**

ACT

- Turn off gas, water and electricity
- Move things upstairs
- Move family, pets and car to safety



**SEVERE
FLOOD
WARNING**

SURVIVE

- Call 999 if in immediate danger
- Listen to emergency services and evacuate if told to do so

**FLOODS
DESTROY
IF PREPARED**

floodsdestroy.campaign.gov.uk

Floodline on 0345 988 1188

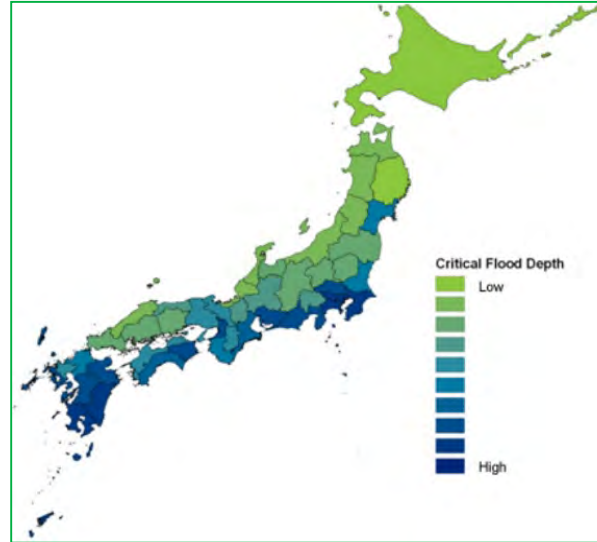
#floodaware



And its not just us... it's a global challenge

Sweden

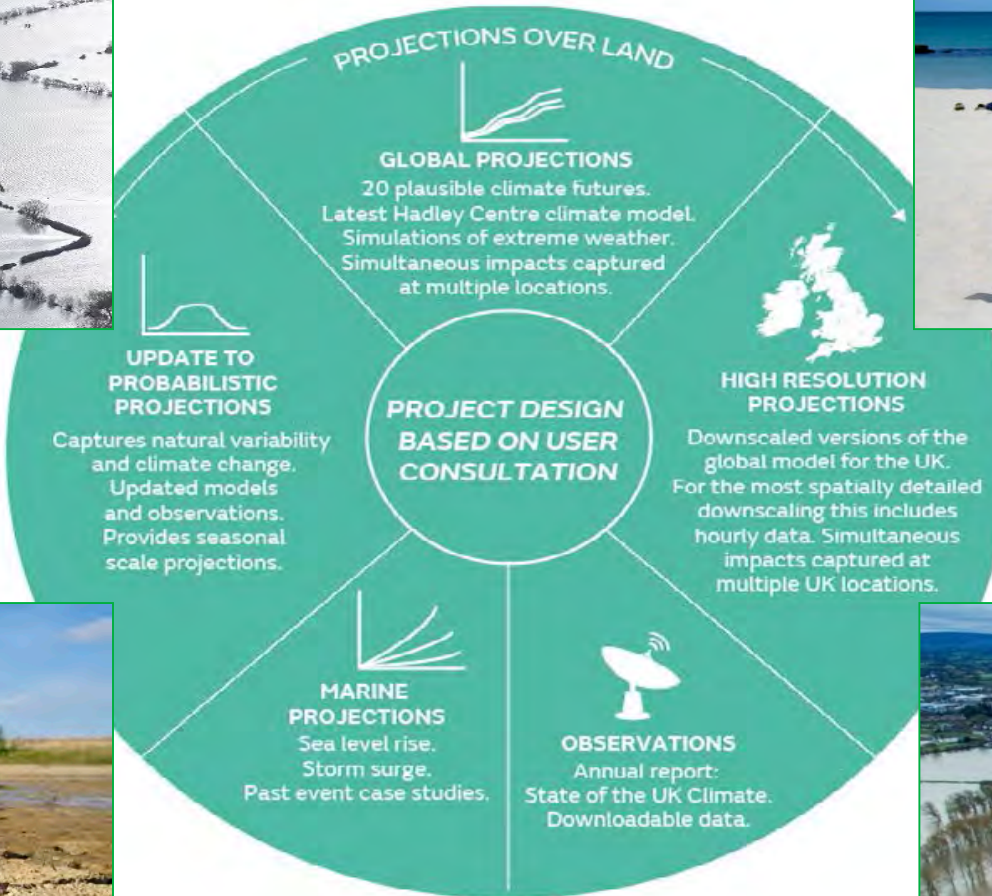
Japan



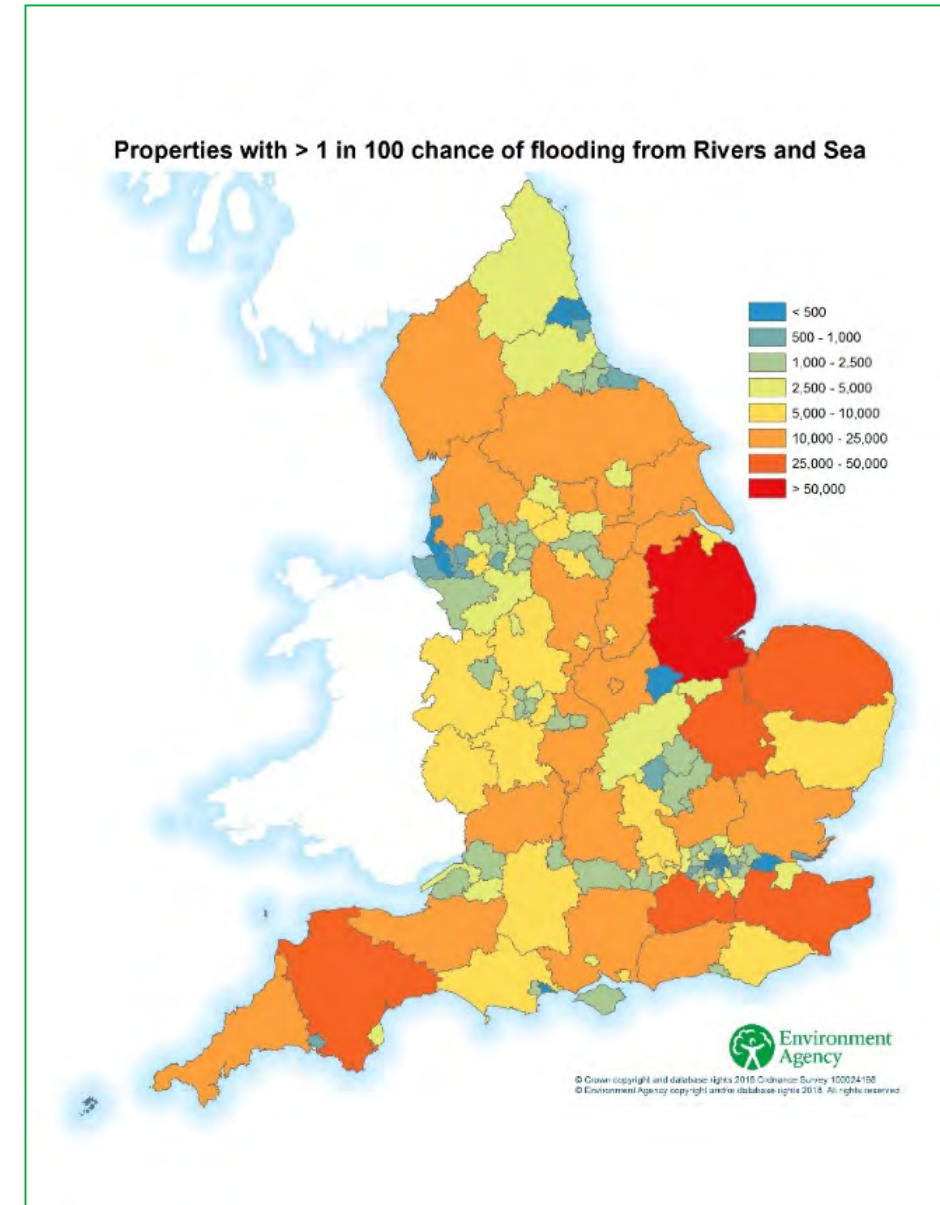
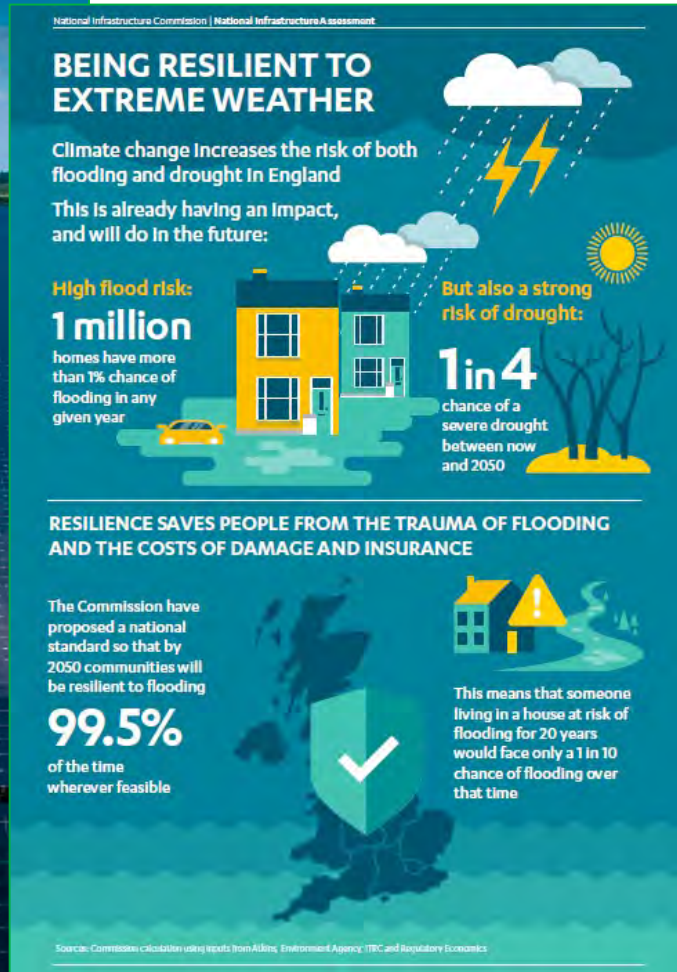
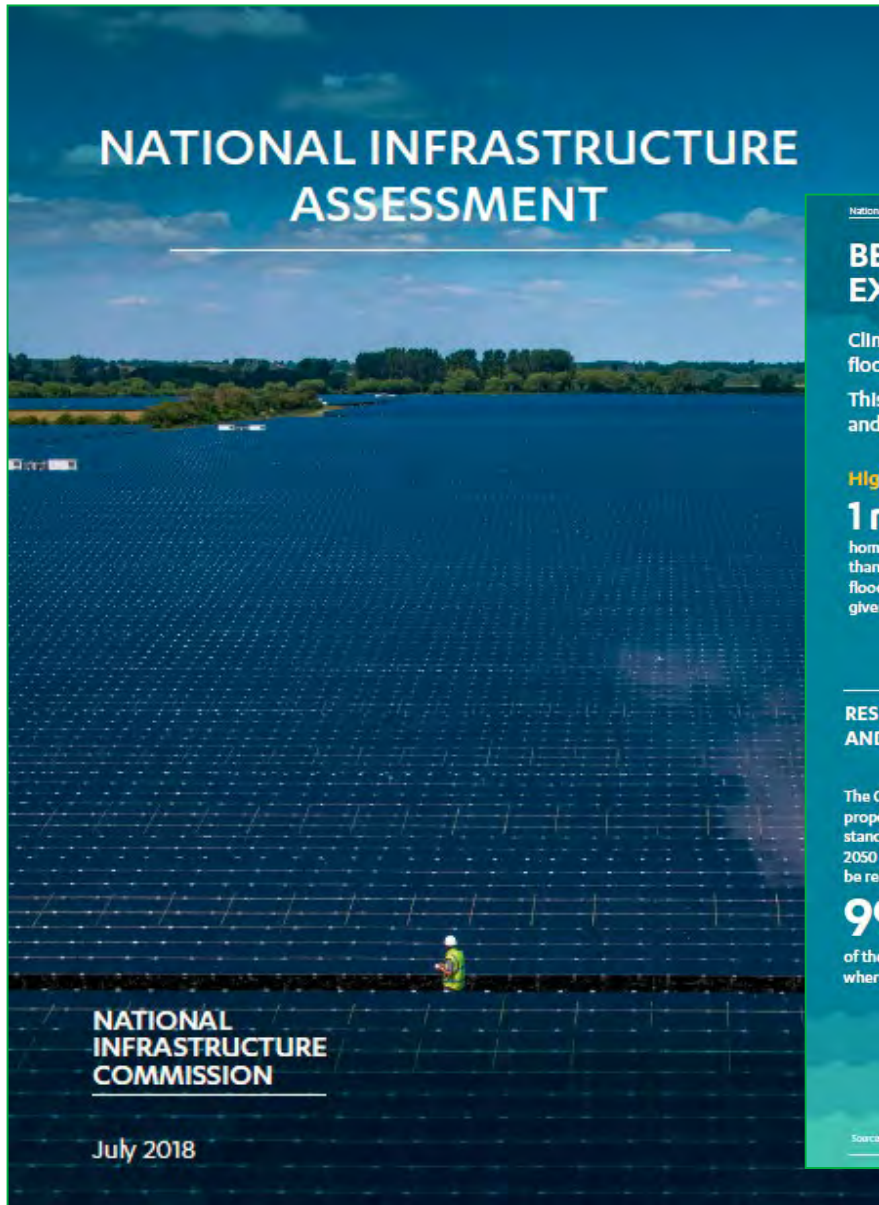
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The Evidence

Improving our understanding – UKCP2018



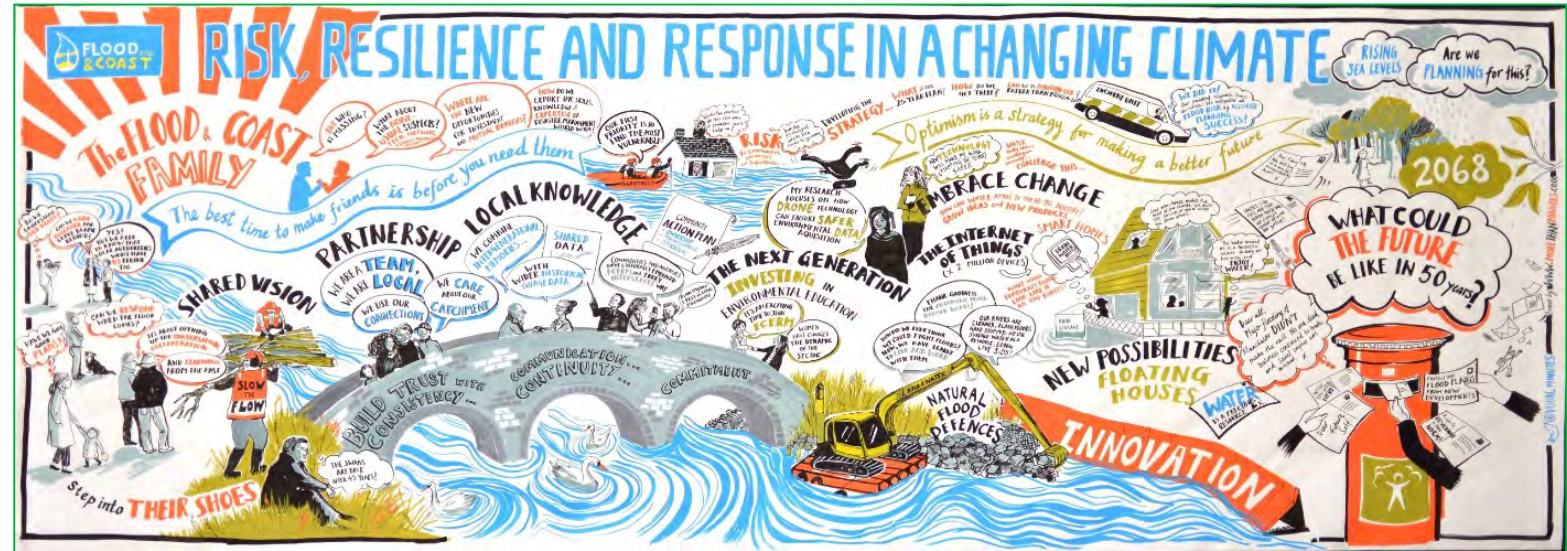
The first National Infrastructure Assessment



A large green circular graphic on the left side of the slide. Inside the circle is a white stylized figure of a person with arms raised, holding a large green cloud-like shape above their head. The text "The Opportunity" is written in green across the middle of the figure.

The Opportunity

25 Year Environment Plan



‘In 2019, we will update the national flood and coastal erosion risk management strategy, looking to strengthen joint delivery’

What is this nation's balance between resistance and resilience?



We need to prepare together...





***‘Our thinking needs to change
quicker than the climate’***

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Executive Director of Flood and Coastal Risk Management

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