

Local Authority Climate Service

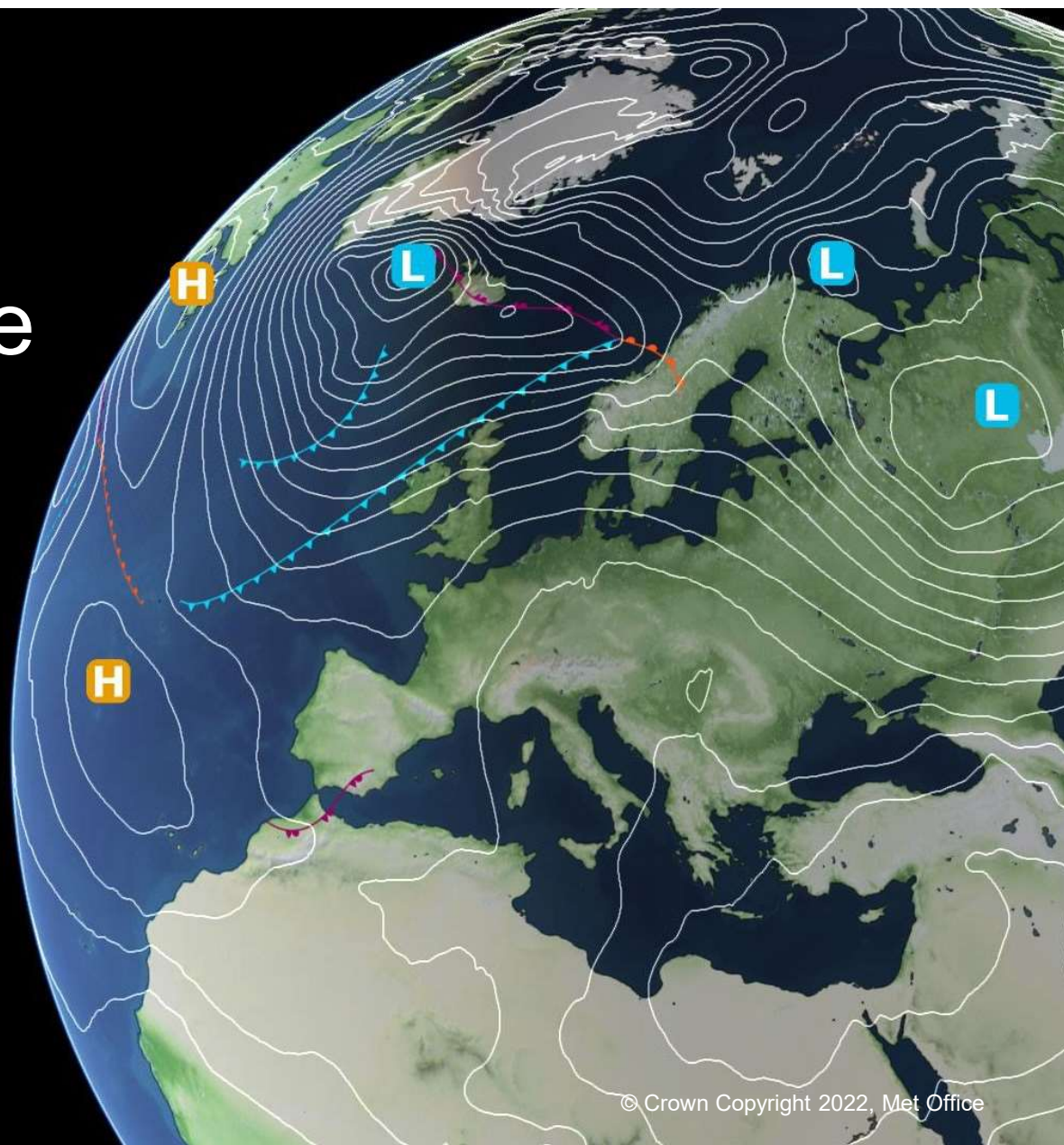
LGA Adaptation Virtual Event

14/03/2024

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How will the seasons change?

Summers



HOTTER

Winters



MILDER



DRIER



WETTER

Year-to-year variations mean we'll still see some cold dry winters and cool wet summers, but they will become less likely.

Projections for average annual warming over the UK give a range of 1°C to 4°C for the lowest and highest emission scenarios.

How will extremes change?



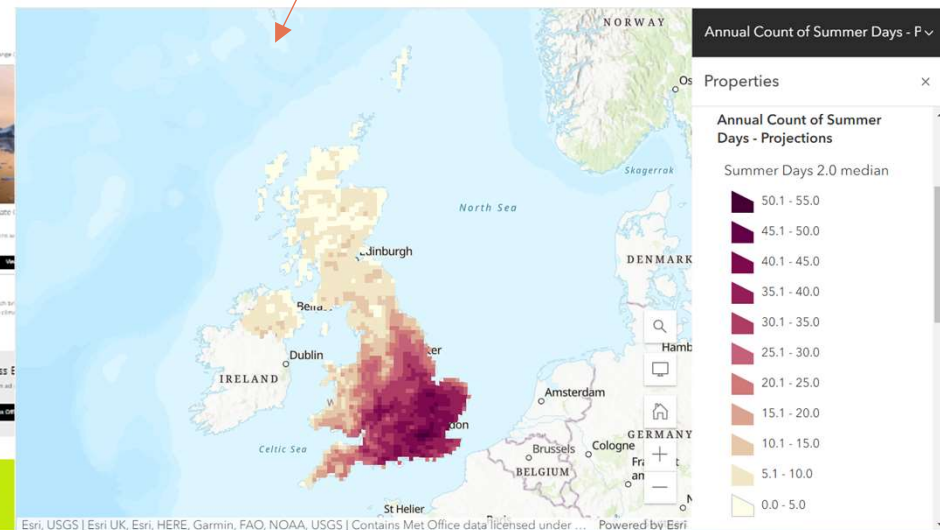
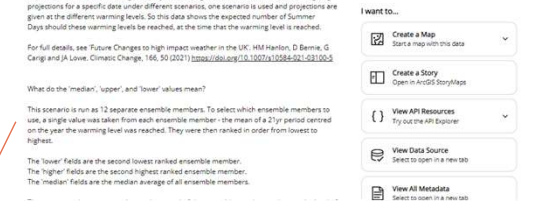
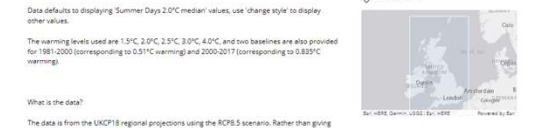
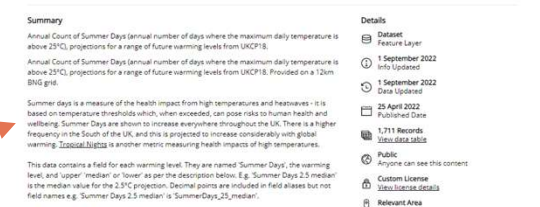
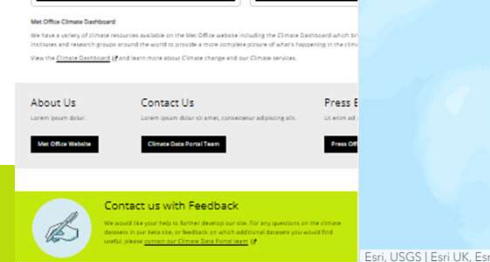
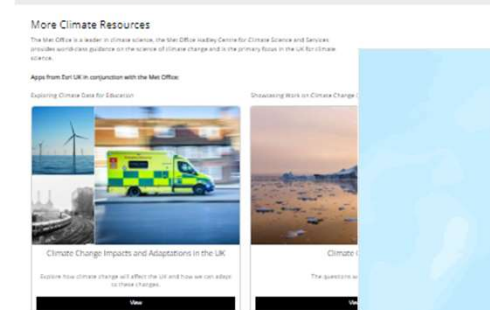
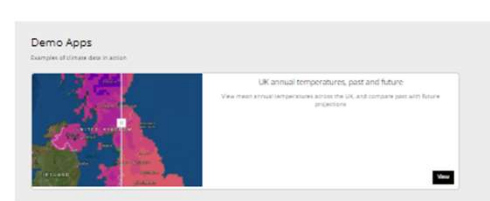
Maximum temperature of a summer's day could increase by as much as 10°C in some places

Rainfall is expected to be more intense, increasing the risk of flash flooding

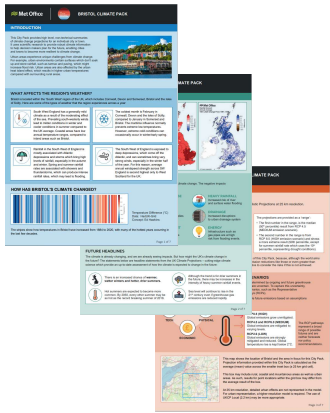


Climate Data Portal

- Open access, currently in BETA: <https://climate-themetoffice.hub.arcgis.com/>
- User friendly way of viewing and downloading a selection of climate data in a range of formats
- Uses ArcGIS online via web-browser making it easy to overlay with your own data (point locations, gridded data or shapefiles)



City Packs



BRISTOL CLIMATE PACK

UKCP RESULTS

GLOBAL WARMING LEVELS

| Global Warming Level | Time Period |
|----------------------|---------------|
| → 4°C | 2065 to 2100+ |
| → 2°C | 2031 to 2056 |

Under a high emission scenario (RCP8.5, 90th percentile) we could reach 4°C as soon as 2065. Under a medium emission scenario (RCP4.5, 50th percentile) we wouldn't expect to reach 4°C within this century. Under a low emissions scenario (RCP2.6), with stronger mitigation, we may not reach 2°C of global warming.

These dates are not forecasts, but simply offer possible futures for comparison. Global warming level dates may not always correspond with the City results below, due to differences in spatial scales.

| | 2030s | 2050s | 2080s | |
|-------------------------------------|----------------|----------------|----------------|---|
| Summer Average Air Temperature (°C) | +1.0 to +2.2 | +1.7 to +3.9 | +3.1 to +7.6 | ↑ |
| Summer Maximum Air Temperature (°C) | +1.1 to +2.6 | +2.0 to +4.5 | +3.5 to +8.9 | ↑ |
| Winter Average Air Temperature (°C) | +0.7 to +1.6 | +1.1 to +2.6 | +1.7 to +4.6 | ↑ |
| Winter Minimum Air Temperature (°C) | +0.7 to +1.7 | +1.2 to +2.9 | +1.8 to +5.1 | ↑ |
| Annual Average Air Temperature (°C) | +0.8 to +1.6 | +1.3 to +2.7 | +2.2 to +5.1 | ↑ |
| Summer Precipitation Rate (%) | -7 to -29 | -12 to -42 | -23 to -62 | ↓ |
| Winter Precipitation Rate (%) | +6 to +19 | +9 to +27 | +16 to +51 | ↑ |
| Sea Level Change (m) | +0.14 to +0.19 | +0.24 to +0.36 | +0.42 to +0.72 | ↑ |

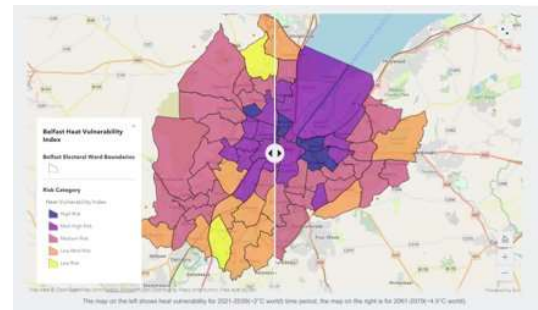
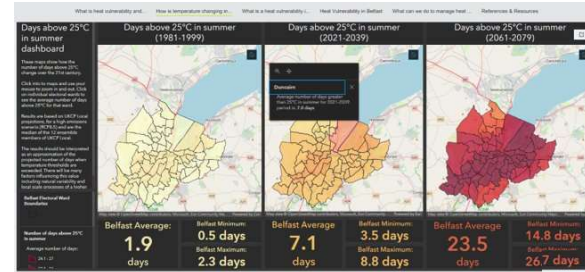
Results are calculated as change from the baseline period: 1981-2000.
 Summer: June, July, August
 Winter: December, January, February
 Time periods are 20-year time slices: 2020-2030, 2040-2050, 2070-2089.
 Precipitation is relative change (%) in mm per day.

1st number in the range is RCP4.5 at the 50th percentile, 2nd number in the range is RCP8.5 at the 90th (except summer rainfall, which is the 10th percentile), calculated from UKCP 2.6 km Probabilistic Projections. Results show changes in variables averaged over a season, and as such do not represent possible extreme conditions. For assessment of possible extremes, the use of UKCP Local (2.2km) may be more appropriate.

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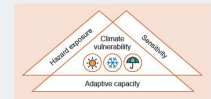
Urban Heat Service



What is a heat vulnerability index?

A Heat Vulnerability Index (HVI) provides a relative, numerical score that is used to determine which parts of the city are more vulnerable to heat than others. This index compares heat vulnerability of the 60 electoral wards in the Belfast local authority district.

The degree to which an area is vulnerable to heat is determined by three elements - hazard exposure, sensitivity and adaptive capacity. Swipe through the slideshow for an explanation of each component and some examples used in Belfast's HVI.



Heat Vulnerability Framework adopted from ISO14091



Making climate data more accessible & usable

Local authorities are key players in the national response to climate change

Local impacts



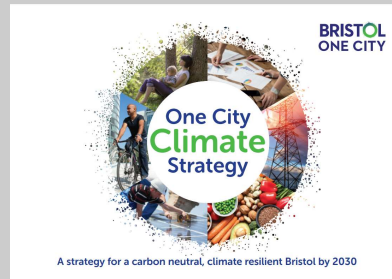
(Source: MyLondon)



Local response



(Source: Carbon Literacy Project)



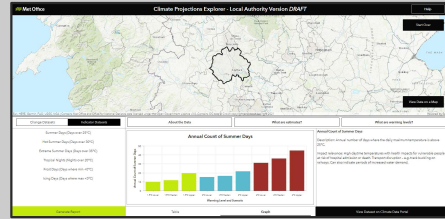
Local solutions



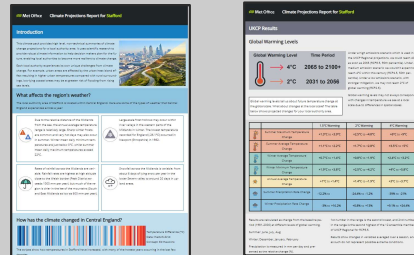
(Source: Sheffield City Council)



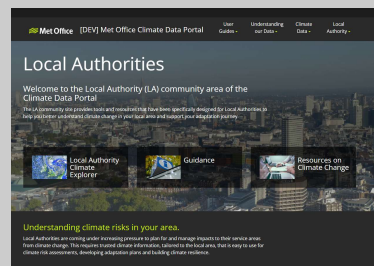
Climate Projections Explorer



Local Authority Climate Report



Local Authority Community Site

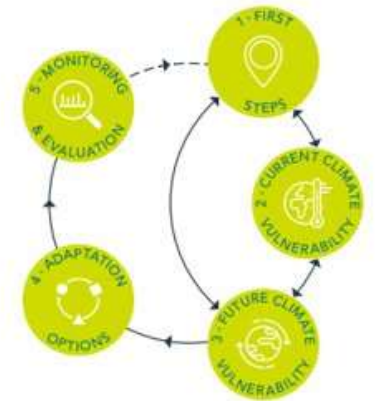


Engaging networks to facilitate uptake through training and support

Met Office Civil Contingencies



ADAPTATION TOOLKIT



Climate Northern Ireland



Search for Local Authority

Use the search box below to search for a Local Authority or select a Local Authority from the map.

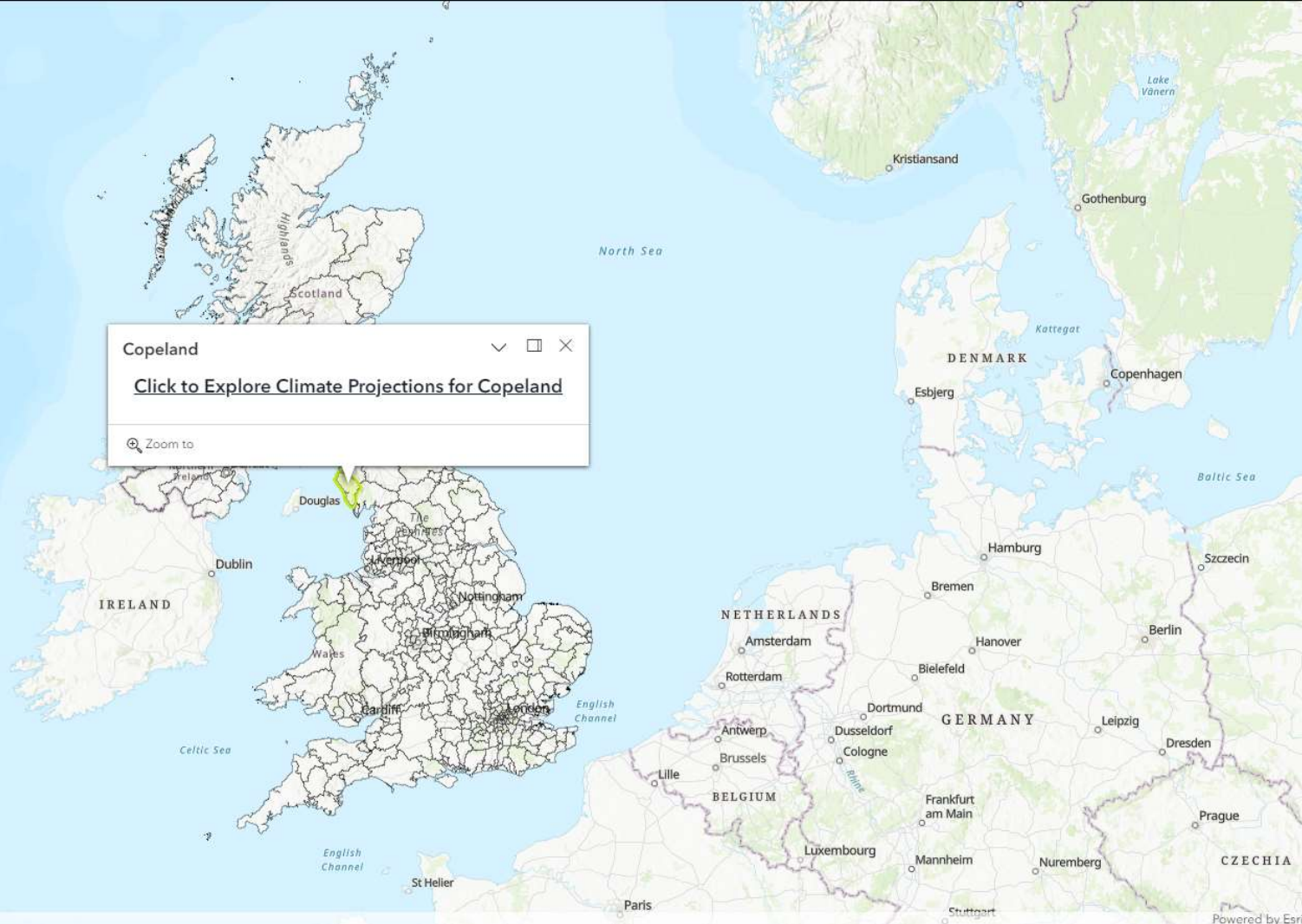
Local Authority Name

- All -

Search

- All -

- Aberdeen City
- Aberdeenshire
- Adur
- Allerdale
- Amber Valley
- Angus



- Key climate variables calculated over your Local Authority area:
 - Change indicators:** e.g. summer average temperatures, winter rainfall, sea level rise.
 - Impact relevant indicators:** e.g. Summer Days (Days over 25°C).

- Information presented for a range of global warming levels consistent with adaptation guidance.

- View data as a table, graph or on a map.

- Based on UKCP Regional (12km resolution) data.

*Does not include sub-local authority level information.

The screenshot displays the 'Climate Projections Explorer - Local Authority Version DRAFT' interface. It features a map of a local authority area in the top right, a table of 'Annual Average Temperature Change' in the center, and a map of the UK with a legend for 'Summer Maximum Temperature Change - 2°C (Median Scenario)' in the bottom right. The table shows temperature changes for different warming levels (Baseline, 1.5°C, 2°C, 4°C) across four estimates (Lower, Median, Upper). The UK map legend shows color-coded temperature change ranges from +0.1 to +7.8°C.

| Warming Level | Lower Estimate | Median Estimate | Upper Estimate |
|---------------|----------------|-----------------|----------------|
| Baseline | 9.6°C | 9.6°C | 9.6°C |
| 1.5°C | +0.9°C | +1.1°C | +1.4°C |
| 2°C | +1.4°C | +1.6°C | +1.9°C |
| 4°C | +2.9°C | +3.3°C | +3.6°C |

Local Authority Climate Report

- Summarises data for the Local Authority area in a PDF printable, shareable and easy to understand format.
- Summarises change and impact indicators in tables.
- Sea level rise page for coastal LA's

Climate Projections Report for Copeland
Generated on: 07/07/2023

Introduction

This document provides high-level, contextualised summaries of climate change projections for Copeland and the wider Cumbria region. It is intended to provide local authorities with a clear overview of the risks and opportunities associated with climate change. The report is based on the latest available data and is intended to be used as a starting point for further work.

What affects the region's weather?

The local authority area of Copeland is located within North West England. There are some of the types of weather that North West England experiences most often.

How has the climate changed in North West England?

The graphs show how temperatures in North West England have increased, with many of the hottest years occurring in the last few decades.

Climate Change in the UK

Observed Changes

There has been a clear trend of increasing temperatures across the UK. The Met Office has observed a significant increase in the number of hot days and nights, and a decrease in the number of cold days and nights. This is consistent with the global trend of climate change.

Impacts

Climate change is already having an impact on the UK. The most significant impacts are on the environment, health, and the economy. These impacts are expected to become more severe as the climate continues to warm.

Future Headlines

The UK is already experiencing the impacts of climate change. The most significant impacts are on the environment, health, and the economy. These impacts are expected to become more severe as the climate continues to warm.

Science Explained

Projections used in this city pack

The Copeland Local Authority Climate Projections (LACP) Report uses the Copeland Local Authority Climate Projections (LACP) Report to provide a clear overview of the risks and opportunities associated with climate change. The report is based on the latest available data and is intended to be used as a starting point for further work.

Emissions Scenarios

The Copeland Local Authority Climate Projections (LACP) Report uses the Copeland Local Authority Climate Projections (LACP) Report to provide a clear overview of the risks and opportunities associated with climate change. The report is based on the latest available data and is intended to be used as a starting point for further work.

UKCP Results

Global Warming Levels

| Global Warming Level | Time Period |
|----------------------|---------------|
| 4°C | 2065 to 2100+ |
| 2°C | 2031 to 2056 |

| Global Warming Level | 1.5°C Warming | 2°C Warming | 4°C Warming |
|-----------------------------------|-----------------|-----------------|-----------------|
| Summer Maximum Temperature Change | +1.8°C (+3.0°C) | +1.9°C (+3.0°C) | +4.9°C (+8.1°C) |
| Summer Average Temperature Change | +0.9°C (+2.0°C) | +1.0°C (+2.0°C) | +3.1°C (+4.8°C) |
| Winter Minimum Temperature Change | +0.2°C (+0.9°C) | +0.1°C (+0.9°C) | -0.2°C (-0.2°C) |
| Winter Maximum Temperature Change | +1.2°C (+3.0°C) | +1.2°C (+3.0°C) | +4.6°C (+8.1°C) |
| Annual Average Temperature Change | +0.9°C (+1.7°C) | +1.0°C (+1.7°C) | +3.2°C (+4.8°C) |
| Summer Precipitation Daily Change | -14.8% (+1.2%) | -15.7% (+1.8%) | -16.7% (+2.3%) |
| Winter Precipitation Daily Change | +1.2% (+1.2%) | +2% (+2.3%) | +1.8% (+2.3%) |

UKCP Results - Impact Indicators

| Indicator | 1.5°C | 2°C | 4°C |
|---------------------|--------------|--------------|--------------|
| Summer Days | 5 to 8.5 | 6.7 to 9.7 | 15.1 to 29.5 |
| Hot Summer Days | 0.3 to 1.1 | 0.5 to 1.3 | 2.2 to 6.6 |
| Extreme Summer Days | 0 to 0.1 | 0 to 0.1 | 0.1 to 0.2 |
| Tropical Nights | 0 to 0.2 | 0.1 to 0.3 | 0.5 to 1.3 |
| Frost Days | 31.9 to 43.6 | 26.2 to 41.1 | 9.5 to 21.1 |
| Spring Days | 0.4 to 1.2 | 0.2 to 1.2 | 0 to 0.2 |
| Growing Degree Days | XX to XX | XX to XX | XX to XX |
| Heating Degree Days | XX to XX | XX to XX | XX to XX |
| Cooling Degree Days | XX to XX | XX to XX | XX to XX |

Sea Level Rise

Sea Level Rise (cm) for Copeland

| Year | 1.5°C | 2°C | 4°C |
|-------|-------|-------|-------|
| 2020s | 0.16m | 0.32m | 0.66m |
| 2050s | 0.16m | 0.32m | 0.66m |
| 2080s | 0.16m | 0.32m | 0.66m |

Impacts from sea level rise

Sea level rise is expected to have significant impacts on the UK. The most significant impacts are on the environment, health, and the economy. These impacts are expected to become more severe as the climate continues to warm.

Understanding Climate Risk

Risk

The Copeland Local Authority Climate Projections (LACP) Report uses the Copeland Local Authority Climate Projections (LACP) Report to provide a clear overview of the risks and opportunities associated with climate change. The report is based on the latest available data and is intended to be used as a starting point for further work.

Climate Projections Report for Copeland

Generated on: 07/07/2023

Introduction

This climate pack provides high level, non-technical summaries of climate change projections for a local authority area. It uses scientific research to provide robust climate information to help decision makers plan for the future, enabling local authorities to become more resilient to climate change.

Each local authority experiences its own unique challenges from climate change. For example, urban areas are affected by the urban heat island effect resulting in higher urban temperatures compared with rural surroundings, low-lying coastal areas may be at greater risk of flooding from rising sea levels.



What affects the region's weather?

The local authority area of Copeland is located within North West England. Here are some of the types of weather that North West England experiences across a year:

| | |
|---|--|
| <p>The range of topography and altitude in North West England provides a varied climate, which includes both the coldest (Cross Fell) and wettest (Lakeland fells) locations in England. In low-lying areas where most urban areas are found, mean annual temperatures are around 10°C.</p> | <p>North West England includes some of the wettest places in the UK although this is localised to upland areas which are exposed to westerly maritime air masses. Areas in the lee of these uplands receive significantly less rainfall, including the large urban areas of Manchester which receive around 800 mm per year.</p> |
| <p>Sunshine hours in North West England range from around 1200 hours in the higher Pennines to around 1500 hours at the coast, with values up to 1550 reached on the Isle of Man.</p> | <p>North West England is one of the more exposed parts of the UK and may experience strong winds associated with the passage of deep lows. The frequency and strength of these depressions is greatest in the winter half of the year, with the strongest winds coming in off the Irish Sea from the SW to WNW.</p> |

How has the climate changed in North West England?

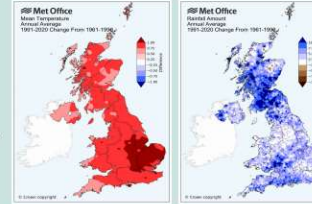


The stripes show how temperatures in North West England have increased, with many of the hottest years occurring in the last few decades.

Climate Change in the UK

Observed Changes

How are temperature and rainfall changing across the UK? These maps show changes in temperature (left) and rainfall (right) from 1991-2020 compared to a baseline period of 1961-1990. We can see that temperatures have risen in all areas across the UK. We can also see that whilst some areas have become drier, more areas have become wetter.



Impacts

Urban, rural and coastal regions across the UK are already experiencing the impacts of climate change. The negative impacts of climate change may include:

| | | |
|--|---|---|
| <p>Heat Increased energy demand for summer cooling</p> | <p>Sea Level Rise Increased risk of coastal flooding</p> | <p>Heavy Rainfall Increased risk of river and surface water flooding</p> |
| <p>Health Increased risk to health from heat stress</p> | <p>Drought Risk to water supplies from drought</p> | <p>Drainage Increased disruption to urban drainage systems</p> |
| <p>Transport Increased disruption to transport due to heat e.g. rail buckling</p> | <p>Environment Increased risk to biodiversity (plants and animals)</p> | <p>Energy Infrastructure such as gas pipes are at high risk from flooding events</p> |

Future Headlines

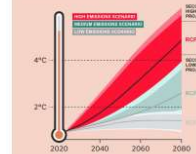
The climate is already changing, and we are already seeing impacts. But how might the UK's climate change in the future? The statements below are headline statements from the UK Climate Projections - cutting-edge climate science which provide an up-to-date assessment of how the climate is expected to change in the future:

| | |
|---|--|
| <p>There is an increased chance of warmer, wetter winters and hotter, drier summers.</p> | <p>Although the trend is for drier summers in the future, there may be increases in the intensity of heavy summer rainfall events.</p> |
| <p>Hot summers are expected to become more common. By 2050, every other summer may be as hot as the record breaking summer of 2018.</p> | <p>Although the trend is for drier summers in the future, there may be increases in the intensity of heavy summer rainfall events.</p> |

Science Explained

Projections used in this city pack

The Climate Pack uses the Regional UK Climate Projections (UKCP Regional) at 12km resolution that allows us to assess the climate across a local authority area.



UKCP Regional consists of 12 projections spanning the UK for a high emissions scenario (RCP8.5). This represents a future with a large global temperature rise sooner rather than later under lower emissions scenarios.

The results in the climate pack are presented as a range taken from the second lowest and second highest of the 12 projections in UKCP Regional.

The 12 projections in UKCP Regional are driven by the Met Office's Hadley Centre Global Climate Model (GCM) and therefore do not contain additional uncertainty information from other international climate models.

Emissions Scenarios

Our future climate is determined by ongoing and future greenhouse gas emissions, which are uncertain. To capture this uncertainty, we use emissions scenarios, such as the Representative Concentration Pathways (RCPs).

RCPs describe possible future emissions based on assumptions about human activity.

RCP8.5 (High)
Global emissions grow unmitigated.

RCP4.5 and RCP6.0 (Medium)
Global emissions are mitigated to varying levels.

RCP2.6 (Low)
Global emissions are strongly mitigated and reduced. Global temperature rise is kept below 2°C.

The RCP pathways represent a broad range of possible futures and are neither forecasts nor policy recommendations.

The map shows the 12km grid boxes from UKCP Regional model and the Local Authority (LA) boundary. The projection information provided within this pack is the average (weighted mean) across the grid boxes covering the LA area. As such, results for point locations within a grid box may differ from the average result of the LA area.



UKCP Regional provides a coarse representation of urban environments. For more detailed urban representation or to understand changes within a LA area at a more local scale the use of UKCP Local (2.2km) projections may be more appropriate.

UKCP Results

Global Warming Levels

| Global Warming Level | Time Period |
|----------------------|---------------|
| 4°C | 2065 to 2100+ |
| 2°C | 2031 to 2056 |

Under a high emissions scenario which is used in the UKCP Regional projections, we could reach 4°C as soon as 2065 (RCP8.5, 90th percentile). Under a medium emissions scenario we wouldn't expect to reach 4°C within this century (RCP4.5, 50th percentile). Under a low emissions scenario, with stronger mitigation, we may not reach 2°C of global warming (RCP2.6).

These dates are not forecasts, but simply offer possible futures for comparison. Global warming level dates may not always correspond with the Local Authority results below due to differences in spatial scales.

Global warming levels tell us about future temperature change at the global scale. What about changes at the local scale? The table below shows projected changes for your local authority area.

| | 1.5°C Warming | 2°C Warming | 4°C Warming |
|--|------------------|------------------|------------------|
| Summer Maximum Temperature Change | +1.4°C to +3.5°C | +1.9°C to +3.9°C | +4.9°C to +8.1°C |
| Summer Average Temperature Change | +0.9°C to +2°C | +1.5°C to +2.3°C | +3.1°C to +4.4°C |
| Winter Average Temperature Change | +0.7°C to +1.5°C | +1°C to +2°C | +2.2°C to +3.2°C |
| Winter Minimum Temperature Change | +1.3°C to +3.5°C | +2.2°C to +4.1°C | +4.4°C to +6.5°C |
| Annual Average Temperature Change | +0.9°C to +1.3°C | +1.3°C to +1.7°C | +2.8°C to +3.3°C |
| Summer Precipitation Rate Change | -14.8% to +2.7% | -13.7% to +1.8% | -35.7% to -12.9% |
| Winter Precipitation Rate Change | +1.2% to +21.3% | +2% to +21% | +13% to +32.8% |

Results are calculated as change from the baseline period (1981-2000) at different levels of global warming.

Summer: June, July, Aug

Winter: December, January, February

Precipitation is measured in mm per day and presented as the relative change (%).

1st number in the range is the second lowest, and 2nd number in the range is the second highest of the 12 ensemble members of UKCP Regional for RCP8.5.

Results show changes in variables averaged over a season, and as such do not represent possible extreme conditions.

UKCP Results - Impact Indicators

| | 1.5°C | 2°C | 4°C |
|--|--------------|--------------|-------------|
| Summer Days Daily maximum temperature > 25°C | 5 to 9.5 | 6.7 to 9.7 | 15.1 to 25 |
| High daytime temperatures with health impacts for vulnerable people at risk of hospital admission or death. Transport disruption - e.g. track buckling on railways. Can also indicate periods of increased water demand. | | | |
| Hot Summer Days Daily maximum temperature > 30°C | 0.3 to 1.1 | 0.5 to 1.3 | 2.2 to 6.6 |
| Increased heat related illnesses, hospital admissions or death. Further transport disruption - e.g. track buckling on railways, road melt. Overhead power lines become less efficient. | | | |
| Extreme Summer Days Daily maximum temperature > 35°C | 0 to 0.1 | 0 to 0.1 | 0.1 to 1.2 |
| Increased heat related illnesses, hospital admissions or death affecting not just the vulnerable. Further transport disruption - e.g. track buckling on railways, road melt. | | | |
| Tropical Nights Daily minimum temperature > 20°C | 0 to 0.2 | 0.1 to 0.3 | 0.5 to 1.3 |
| Health impact due to high night-time temperatures, with potential for heat stress. Vulnerable people at increased risk of hospital admission or death. | | | |
| Frost Days Daily minimum temperature < 0°C | 31.9 to 43.6 | 26.2 to 41.1 | 9.5 to 21.1 |
| Cold weather disruption due to higher than normal chance of ice and snow. | | | |
| Icing Days Daily maximum temperature < 0°C | 0.4 to 1.2 | 0.2 to 1.2 | 0 to 0.2 |
| More extreme than frost days, so more severe cold weather impacts. | | | |
| Growing Degree Days Daily mean temperature > 5.5°C | XX to XX | XX to XX | XX to XX |
| Energy available for plant growth over a year. This is not a measure of season length. | | | |
| Heating Degree Days Daily mean temperature < 15.5°C | XX to XX | XX to XX | XX to XX |
| Indicator of energy demand for heating. | | | |
| Cooling Degree Days Daily mean temperature > 22°C | XX to XX | XX to XX | XX to XX |
| Indicator of energy demand for cooling. | | | |

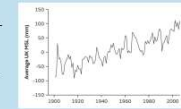
- Results are the average number of days per year that are greater/less than the temperature threshold.
- 1st number in the range is the second lowest, and 2nd number in the range is the second highest of the 12 ensemble members of UKCP regional for RCP8.5.
- Results should be interpreted as an approximation of the projected number of days when temperature thresholds are exceeded. There will be many factors influencing this value including natural variability and local scale processes of a higher resolution than the climate model is able to represent.

Sea Level Rise

Sea level rise is the primary mechanism by which we expect coastal flood risk to change in the UK in the future. The amount of sea level rise depends on the location around the UK and increases with higher emissions scenarios.

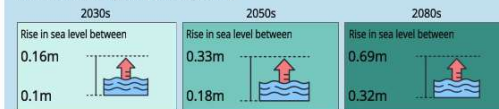
Over the past 30 years, the UK sea level has been rising by 3.0-5.2mm per year, compared with 1.5mm per year in the 1990s1. The graph shows how average mean sea level has changed around the UK coastline since 1900.

The Intergovernmental Panel on Climate Change (IPCC) states that in the longer term, "sea level is committed to rise". The amount of sea level rise depends on the location around the UK and increases with higher emissions scenarios.



Adapted from Natural Oceanography Centre

Sea Level Change (m) for Copeland



Impacts from sea level rise

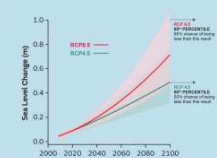
- Flooding of coastal infrastructure and services
- Saltwater intrusion of aquifers and agricultural land
- Flooding of coastal communities and buildings

The Science

Sea level projections in UKCP are provided as the relative sea-level rise, i.e., the local sea-level rise experienced at a particular location including land movements.

UKCP sea level projections use multiple international climate models from the Coupled Model Intercomparison Project (CMIP5) and provide results for a range of emission scenarios (RCP2.6, 4.5 and 8.5) and therefore provide additional uncertainty information.

Results are presented as a range. The 1st value is for RCP4.5 at the 50th percentile providing a "middle of the road" result. The 2nd value is for RCP8.5 at the 95th percentile, providing a more extreme result.



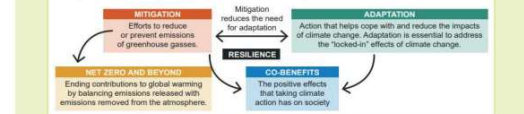
Projections of future changes in sea level around the UK coastline are produced on a 12km grid. The sea level information provided within this pack is the average of all grid boxes along the coastal boundary of the local authority area. Results are calculated for the year stated and relative to the 1981-2000 period.

Understanding Climate Risk



Following COP26, limiting warming to below 1.5°C above pre-industrial levels remains possible but will require bigger emission reductions than currently pledged by nations around the world. Current emission reduction pledges, made as part of nationally determined contributions, are likely to lead to warming above 2°C.

The Committee on Climate Change advises the UK to adapt to a 2°C rise in temperatures, whilst assessing the risk at 4°C.



Adaptation and mitigation both help to reduce the risk a city will face from climate change. Mitigation will help to limit the hazard, whilst adaptation can help to reduce exposure and vulnerability.

Risk

The risk posed from a changing climate, and the potential for resultant impacts, depends on three key factors:

HAZARD: weather and climate events which may have adverse effects. The occurrence, duration and intensity of which may change due to climate change.

EXPOSURE: the location of people, property and other economic resource, relative to a hazard.

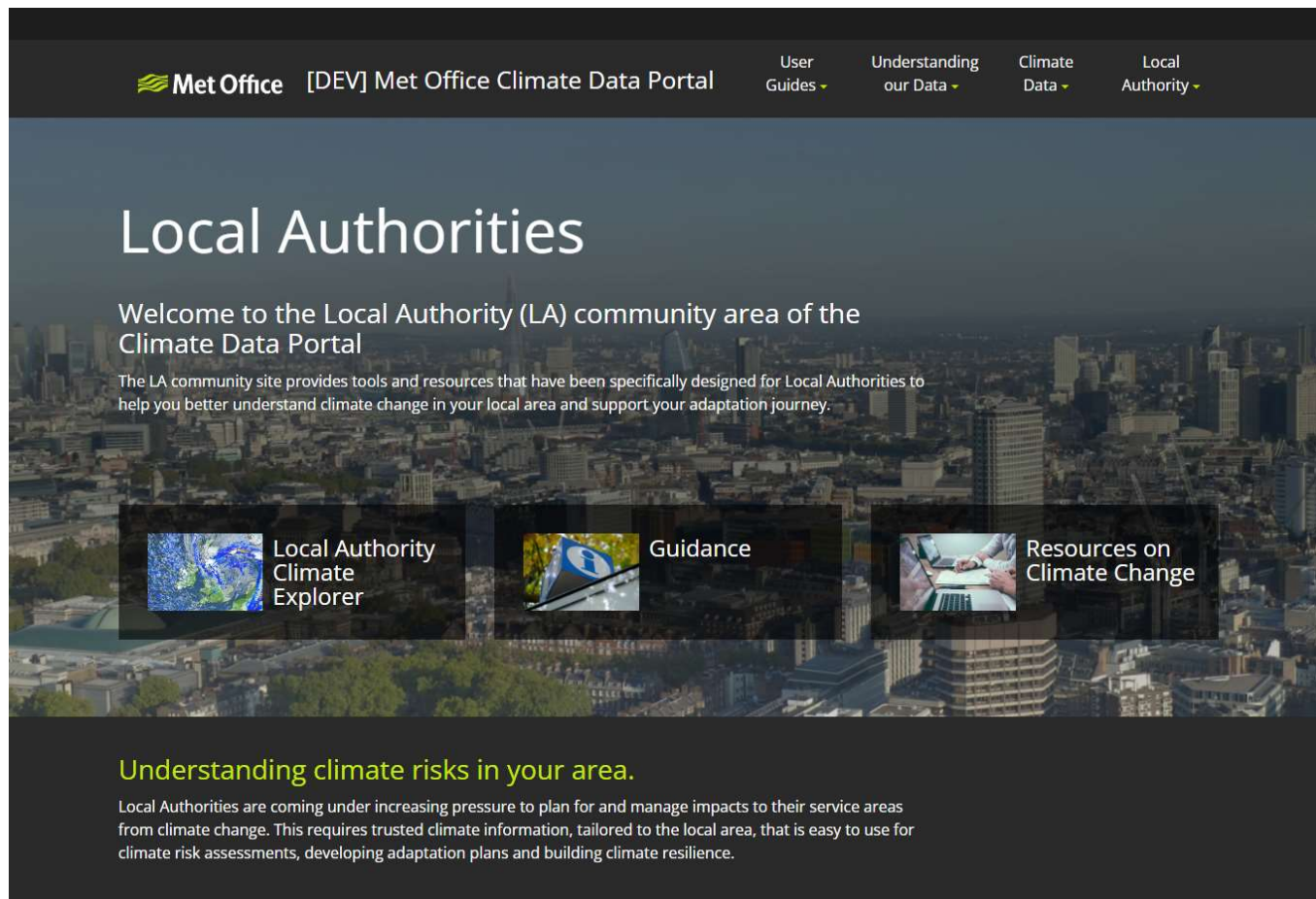
VULNERABILITY: the likelihood of the exposed people, property and other economic resources suffering adverse effects from the hazard. Vulnerability is in turn affected by the capacity of people and places to adapt or respond to the hazard.



This City Pack contains information about some of the climate and weather HAZARDS the city may face in the future. This helps to inform about risk within the city, which in turn provides an evidence base for decision-making about adaptation and mitigation.

Quick access to:

- Key infographics for awareness raising
- Case studies and links to helpful resources
- Explainer videos
- Enquiries link and where to find further support



The screenshot shows the homepage of the Local Authority Community Site. At the top, there is a navigation bar with the Met Office logo, the text "[DEV] Met Office Climate Data Portal", and four menu items: "User Guides", "Understanding our Data", "Climate Data", and "Local Authority". The main heading is "Local Authorities". Below this, a welcome message reads: "Welcome to the Local Authority (LA) community area of the Climate Data Portal". A sub-heading states: "The LA community site provides tools and resources that have been specifically designed for Local Authorities to help you better understand climate change in your local area and support your adaptation journey." Three featured cards are displayed: "Local Authority Climate Explorer" (with a satellite image), "Guidance" (with a blue arrow icon), and "Resources on Climate Change" (with an image of hands on a laptop). At the bottom, a section titled "Understanding climate risks in your area." contains text: "Local Authorities are coming under increasing pressure to plan for and manage impacts to their service areas from climate change. This requires trusted climate information, tailored to the local area, that is easy to use for climate risk assessments, developing adaptation plans and building climate resilience."

Feedback

This type of information is “worth its weight in gold” reducing time spent on data processing.

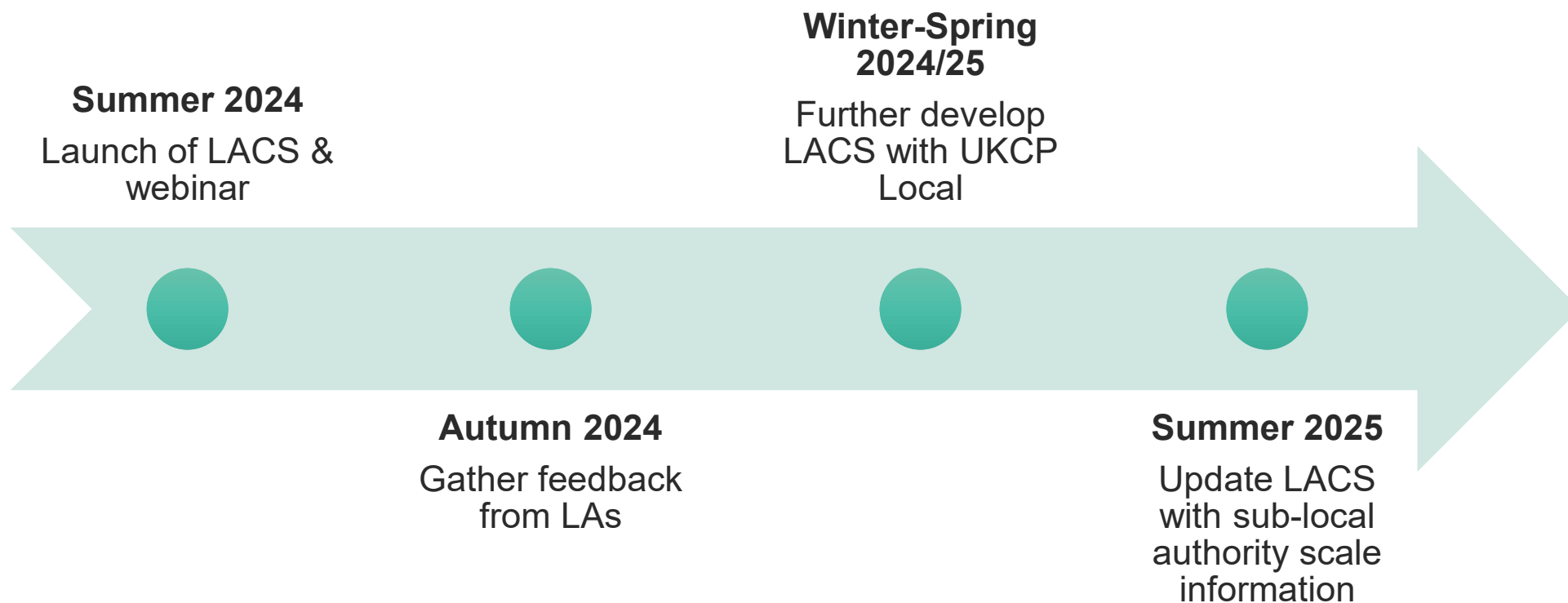
The product gives Local Authorities a tool to communicate.

This is a very helpful way of CCA's providing LAs a guide of what the impact might look like. We could certainly advocate for this tool. (CCA's)

This sits really nicely between the UKCP UI and Scottish national summary (AS Benchmarking Group)

- Inclusion of other impact indicators – extreme rainfall/storms/wind (NSWWS), and drought, wildfires
- More granular, spatial detail within the LA boundary
- Information for different boundaries
- Integrate hazard information with impact information e.g. rainfall to flooding
- Case Studies

Timelines...





Thank you