



# Urban Climate Services - The Bristol City Pack

The City Pack uses the latest UCKP projections to provide local summaries of a city's future climate. The first City Pack was co-developed with Bristol City Council and resulted in the co-delivery of three non-technical factsheets explaining how the climate of Bristol may change over the 21<sup>st</sup> Century. The factsheets were used to engage with a range of city stakeholders and to inform conversations and decision-making around city resilience to climate change. The following infographic describes the lifecycle of the Bristol City Pack:

## REVIEW AND IMPROVE

The Bristol City Pack has since provided an evidence base for the Bristol City Council Climate Change Risk Assessment, and informed Bristol's Climate Strategy. It has also been used to engage with Bristol City Council's wider stakeholders and as a communication and training tool.

**"The localised data resonates with Bristolians... A really useful, really local resource".**

Civil Protection Manager, Bristol City Council.

Continued engagement with, and feedback from city stakeholders has facilitated the development of City Packs for other cities across the UK and will inform further actionable information for city stakeholders.

4



1

## ENGAGE AND DEFINE

Bristol City Council identified a need for an overview of Bristol's past and future climate that could build a foundation of shared knowledge within the council and also with wider city stakeholders. Initial engagement with the council led to the identification of several key requirements which became central to service development. One example was the need to communicate uncertainty in future climate projections.

Following an assessment of Bristol City Council's climate information needs, a City Pack comprising of three non-technical factsheets, describing (1) the weather and past climate of Bristol, (2) the science behind the UKCP projections and the UKCP future climate projections for Bristol (3) were identified as the most appropriate service to provide.

## REFINE, DELIVER AND DISCUSS

The City Pack prototype was presented at a workshop with Bristol City Council and other stakeholders.

Discussion at the workshop led to further refinement of the City Pack service.

The finalised City Pack was then delivered to Bristol City Council.

3



2

## CO-DEVELOP AND CO-DESIGN

Discussion with Bristol City Council led to an understanding of the type of information needed, with technical details including:

- Eight climate variables - including summer and winter temperatures and precipitation, as well as changes in sea level.
- Two emission scenarios - a high emission scenario representing possible extremes and a medium emission scenario which is closer to current global emission policy pledges.
- Three time slices from the 21<sup>st</sup> Century - 2030s, 2050s and 2080s.

