



## Developing urban climate services

**Why this is important:** Whilst there is a vast amount of climate science information available, this is often in a form that either doesn't match needs of adaptation users or is too difficult to use. There is therefore a strong need to co-develop synthesis material with particular users and geographical locations into more usable formats. Particular needs for adaptation information have been reported for urban environments.



**What the UKCR programme is doing:** Work has focused on the co-development of urban climate services for Bristol. Initial workshops held with Bristol City Council and their wider stakeholders have clearly illustrated that there is an emerging requirement for climate services. Through a process of co-development, where service providers and users work together to reach a collective outcome, the specifics of their decision-making processes are coming to light, alongside ideas regarding how their processes can be supported. We have produced new work to satisfy one of the needs, which is the need for locally tailored information for awareness raising.

**Results so far:** Initial prototypes have been developed and delivered in the form of factsheets that provide non-technical summaries of the UKCP18 headlines. They are aimed at building a foundation of shared understanding and promoting robust use of the available UKCP18 climate change information. The 'Bristol Climate Change' series consists of 3 factsheets covering i) the science, ii) the results explained and iii) the UKCP18 headline results for Bristol, and each includes details of where to find further information. They have been very well received by users. Jim Gillman, Civil Protection Manager, Management of Place, Bristol City Council commented; "The Climate Change fact sheets for Bristol have allowed us to engage a wide range of city stakeholders in climate change issues. The localised data resonates with Bristolians who can see what temperatures are likely to do locally, the impact it will have and therefore why they need to take action on climate change now. A really useful, really local resource".

**What is next?** Additional requirements such as derived metrics and support to city planning have subsequently been highlighted and work is ongoing to include these in additional factsheets. Discussions are also underway with other UK city councils to determine interest in similar prototype factsheets for these cities. Further climate services pilots are also being developed that satisfy more technical needs and draw on research from across the UK Climate Resilience programme and beyond.

The climate change factsheets developed for Bristol City Council are available here;

- [The Science](#)
- [UK Climate Projections \(UKCP\) results](#)
- [The results explained](#)

**Reference:** Vincent, K., Daly, M., Scannell, C., Leathes, B., (2018), What can climate services learn from theory and practice of co-production?, *Climate Services*, Vol. 12, Pages 48-58

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