Recognition of the need in policy

The impacts of extreme weather, including flooding and heatwaves, and climate change permeate through society affecting lives and livelihoods and impacting policy in many areas.
Funding and management

- The programme is jointly led by UKRI and the Met Office
- It has £18.6m of funding from Wave 1 of Strategic Priority Fund
- Jointly led by NERC on behalf of AHRC, ESRC and EPSRC and Met Office
- Governance:
  - Programme Board (UKRI and Met Office)
  - Steering Committee (Chaired by Jim Hall; includes academics and non-academics)
  - Programme champions (Suraje Dessai and Kate Lonsdale at University of Leeds)
UK Climate Resilience Programme vision:

To enhance the UK’s resilience to climate variability and change through frontier interdisciplinary research and innovation on climate risk, adaptation and services, working with stakeholders and end-users to ensure the research is useful and usable.

The programme has **three main objectives:**

- Characterising and quantifying climate-related risks
- Managing climate-related risks through adaptation
- Co-producing climate services

Climate risks
Characterising and quantifying climate-related risks to the UK

Climate-related hazards
Climate-related risks
Risk perception, tolerance and communication
Climate adaptation
Managing climate-related risks through adaptation

Governing adaptation
Living with uncertainty
Climate services
Working with partners to turn climate information and knowledge into action and usable services

Understanding the emerging field

Piloting some examples
UKRI funded projects

- A prototype real-time sting jet precursor tool for forecasters
- Building UK climate resilience through bridging the qualitative-quantitative data divide
- CROP-NET: Monitoring and predicting the effects of climate change on crop yields
- Characterising and adapting to climate risks in the UK wine sector
- Climate Resilience of Care Settings
- Climate Risk Indicators: developing indicators of climate risk using UKCP18 to support risk assessments and enhance resilience
- Coastal resilience in the face of sea-level rise: making the most of natural systems
- Delivering resilience to climate impacts on UK freshwater quality: towards national-scale cyanobacterial bloom monitoring and forecasting
- Designing Resilient and Adaptable Water management - Integrated & Interactive Tools (DRAW-IT)
- Erosion Hazards in River Catchments: Making Critical Infrastructure More Climate Resilient
- FUTURE-DRAINAGE: Ensemble climate change rainfall estimates for sustainable drainage
- Financial risk and the impact of climate change
- Forecasting Risk of Environmental Exacerbation of Dissolved Organic Matter - Building Climate Change Resilience (FREEDOM-BCCR)
- Impacts and Risk Assessment to better inform Resilience Planning (IMPRES)
- Mobilising Citizens for Adaptation: building local flood resilience through cooperative rainwater harvesting (MOCA)
- Monitoring and predicting the effects of climate change on crop yields
- Smart Systems Approaches for Climate Resilient Livestock Production
- Towards a microbial process-based understanding of the resilience of UK peatland systems
- Understanding UK Perceptions of Climate Risk and Resilience (RESILRISK)
- Unlocking the potential of surface water flood nowcasting for emergency services in a changing climate

http://gotw.nerc.ac.uk/list_them.asp?them=UK+Climate+Resilience
Recent progress on Met Office activities
**Topic A: Enhanced Climate Change Risk Assessment capability**
To produce improved UK spatial modelling of climate-related risks, characterisation of interdependent risks and representation of adaptation strategies in integrated assessment models of impact and adaptation. One interdisciplinary proposal up to the value of £2m (at 80% FEC) for 28 months to include researchers across natural, physical, engineering, health, arts and social sciences.

**Topic B: Governing Adaptation**
To enhance our understanding of the social, institutional and cultural contexts, including behaviour, capacity and governance of individuals, organisations and policy, and the interactions between them, in delivering adaptation.
Max of two projects, (£750,000 (at 80% FEC)) for 28 months.

**Deadline 4pm on 5 December 2019**

**Town hall meeting**
3 October 2019 in London to further communicate the remit and objectives of the programme and the specific requirements of this call, and bring together researchers from a variety of disciplines with interests in climate impacts and resilience in the UK. Not mandatory for applicants.

Met Office calls

Further calls will follow later this financial year and then later in the programme.

https://www.metoffice.gov.uk/research/approach/collaboration/spf/spf-opportunities#Bids%20invited%20for%20the%20UK%20Climate%20Resilience%20programme
Pre-announcement for UK Climate Resilience funding opportunities

UKRI will shortly be inviting applications for further UK Climate Resilience funding opportunities. This will be split into several topic areas:

• Present & future climate hazard (led by NERC): Developing and evaluating new methods and techniques to characterise current and future climate hazards and underlying driving processes.

• Embedded Researchers (led by NERC): Providing support for researchers to undertake UK based climate resilience research through close collaboration with non-academic host partners.

• Living with Uncertainty (led by AHRC): Exploring the understanding of what it means to live with uncertainty – Town Hall meeting 16 December in London
Website: http://www.ukclimateresilience.org
Twitter: @UKCRP_SPF
E-mail: champion@leeds.ac.uk