

What we are starting with...

What we will do during the programme...

so that...

meaning that in the short term (<5 years) there is...

and in the longer term (>5 years)...

which ultimately contributes to...

Met Office
Community
UKRI community

Fund high-quality, multi-disciplinary research on climate resilience

we achieve a step change in future Climate Change Risk Assessment capability through 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.

A better evidence base for CCRA, NAP, Environment plan and other relevant legislation

Improved climate resilience policy framework

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 with the following objectives:

Substantial but fragmented existing research

Support the development of high-quality multi-disciplinary research

we enhance UK capability and understanding of climate hazard and risk, focusing on present day and future risks to the UK, including understanding robustness of methods, single and multi-hazard events, and producing high-end scenarios for national stress testing. This will enhance the UK's current decision-relevant climate scenarios from other sources such as UKCP18 and CMIP6.

A better evidence base for users (in private, public and third sectors)

Well adapting UK

Current UK policies and legislation: NAP, CCRA, Climate Act, ISO Adaptation Standard

Provide alignment across the programme and synthesis of research outputs and learning

we strengthen our understanding of adaptation at the individual, organisational and policy scales and the interactions between them to recommend ways to incentivise behaviour, remove barriers and avoid maladaptation

A maturing climate service enterprise (with quality assurance and responding to the Global Framework on Climate Services)

Mature climate service enterprise

Users: Government, Institutions, ARP, Wide number of potential other users

Engage user communities in shaping research questions research design

we develop a consistent set of UK socio-economic scenarios for national, regional and local risk planning and research

A vibrant, better connected climate resilience research community (comprising academic and non academic partners and users)

Avoided losses to UK Plc e.g. better forecasting of droughts leading to better preparedness measures

Objective 1: Characterising Climate Risks

Capability: Existing models and tools, datasets and research infrastructure

Build linkages between different groups (researchers, government, users to create a new climate resilience research community

we create a UK roadmap for the future development and implementation of climate services addressing the roles of public and private sectors. This provides the UK response to the Global Framework for Climate Services.

Updated standards and good practice guidance

Contribution to UK Plc

Objective 2: Managing climate risks

Provide opportunities for funded projects to meet, connect, share findings and identify areas of common interest on climate resilience for further development

we grow the community of interacting researchers, practitioners and policy-makers in climate resilience

Greater awareness of the need for climate resilience research

Cohort of enlightened researchers and users

Objective 3: Co-producing climate services

Encourage users to apply research outputs and support wider dissemination

we synthesise findings across the programme to provide updated national guidance standards, regulations and good practice

Legacy of enhanced capability that can be built on further

Build new capability