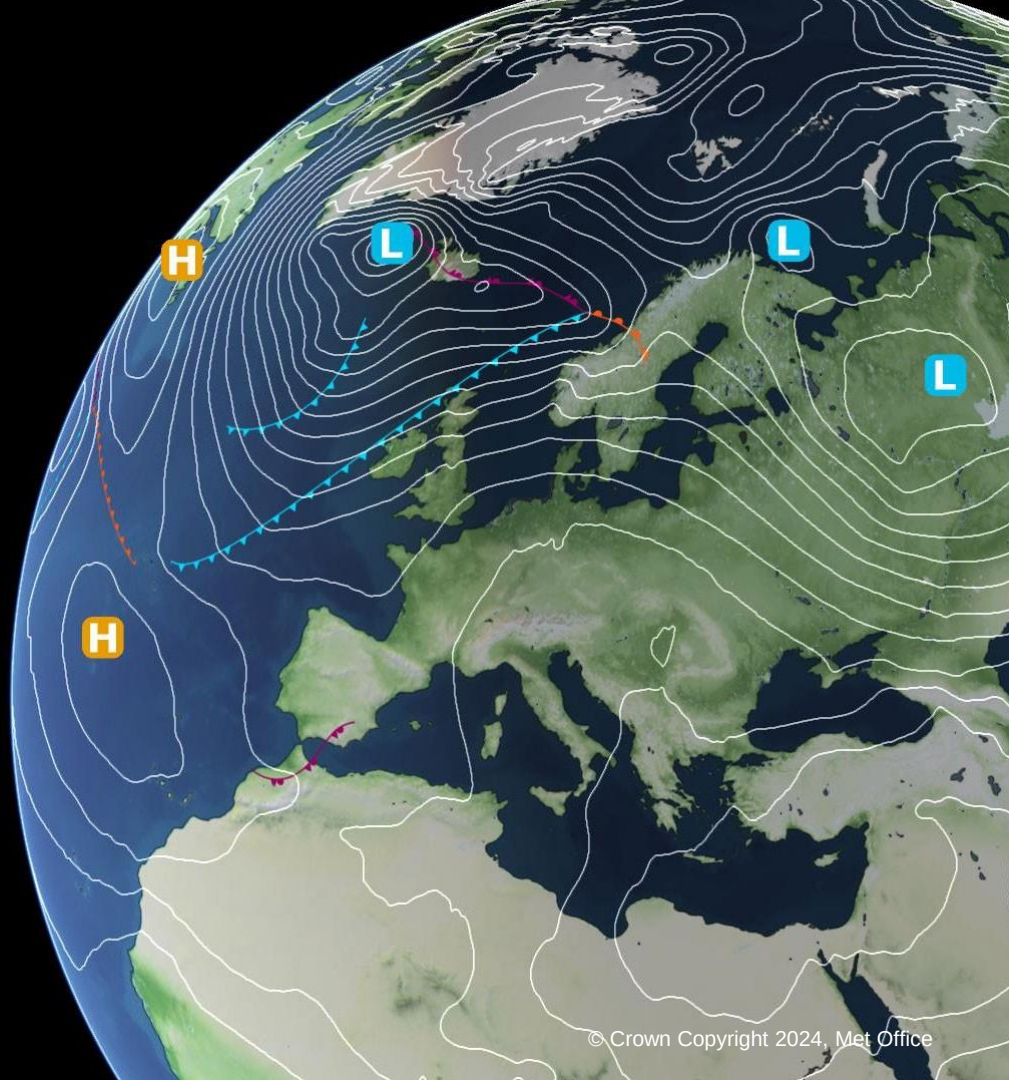
CCRA4-IA Technical Report Briefing

15.7.2024



Running order

Introduction

The wider context

Our approach

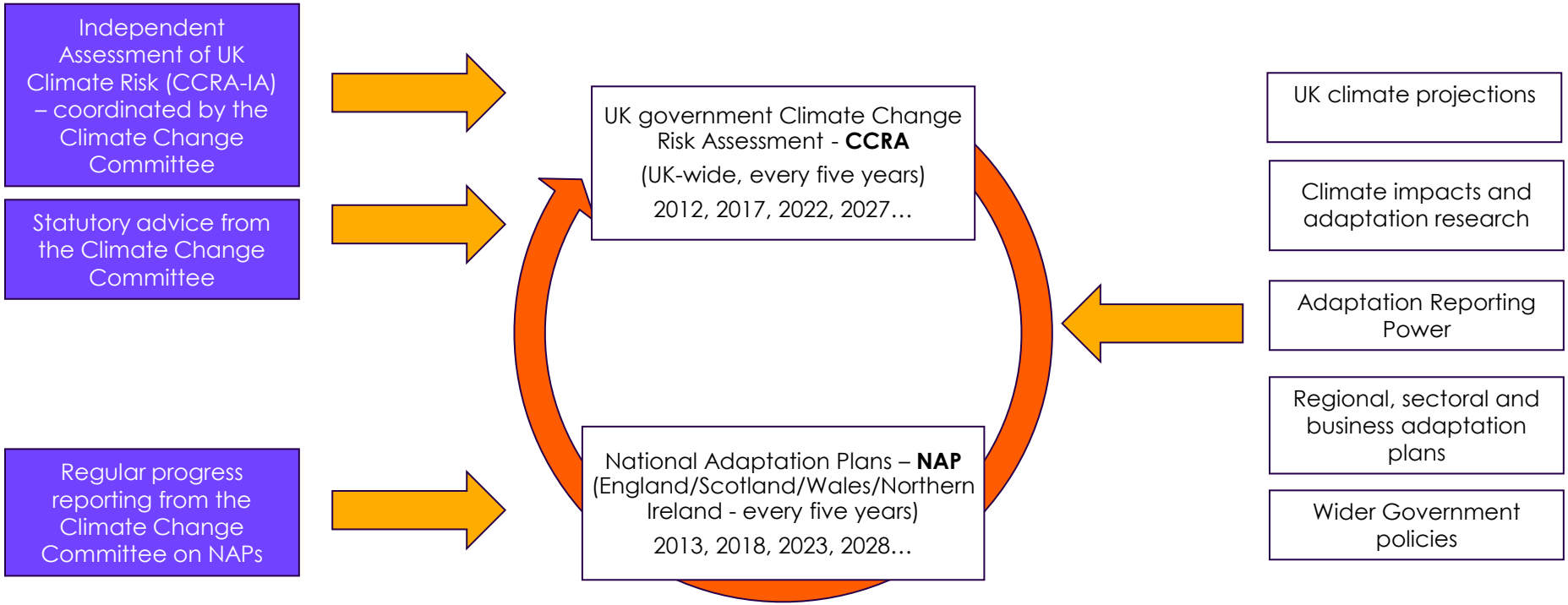
Our consortium

Ways to get involved

Questions

1. Introduction to the UK's Climate Change Risk Assessments

The UK's adaptation policy cycle

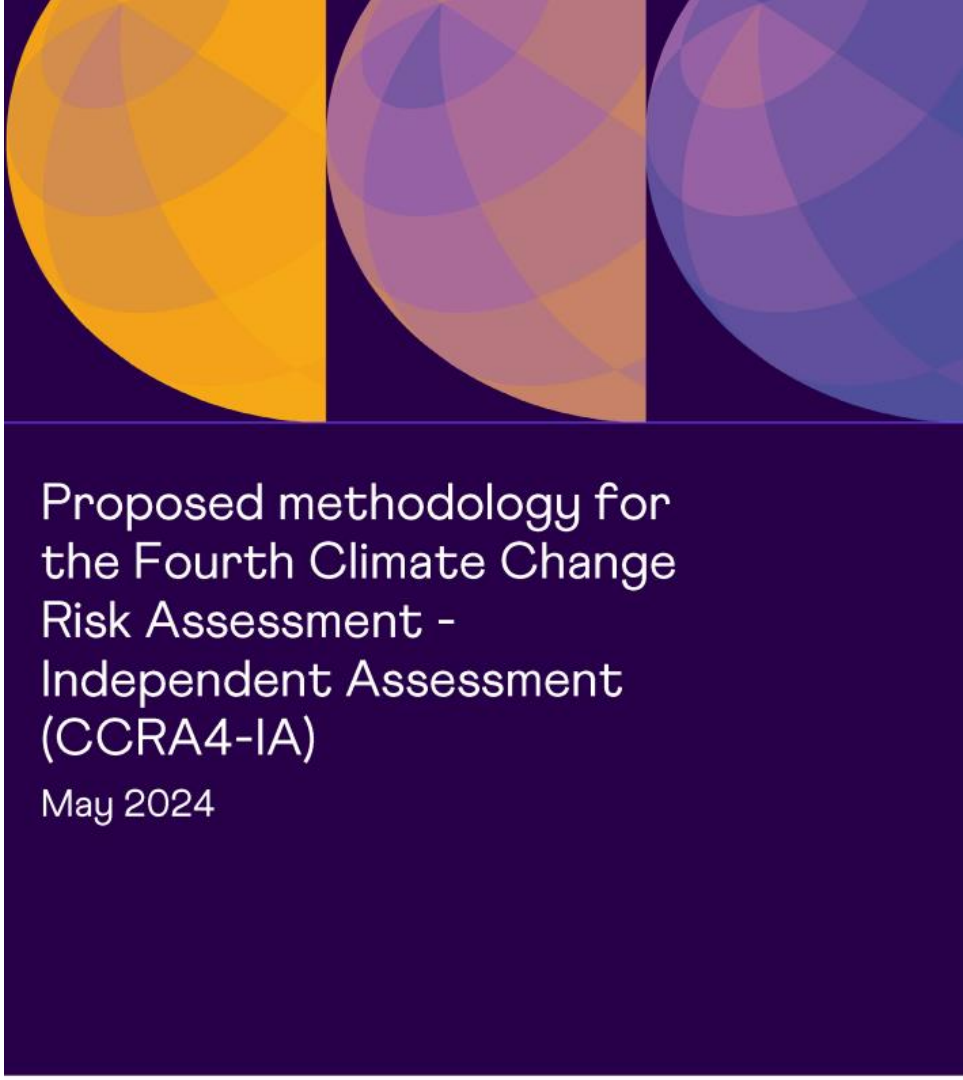


2. Evolving our approach to CCRA4-IA

Priorities for this cycle of the CCRA

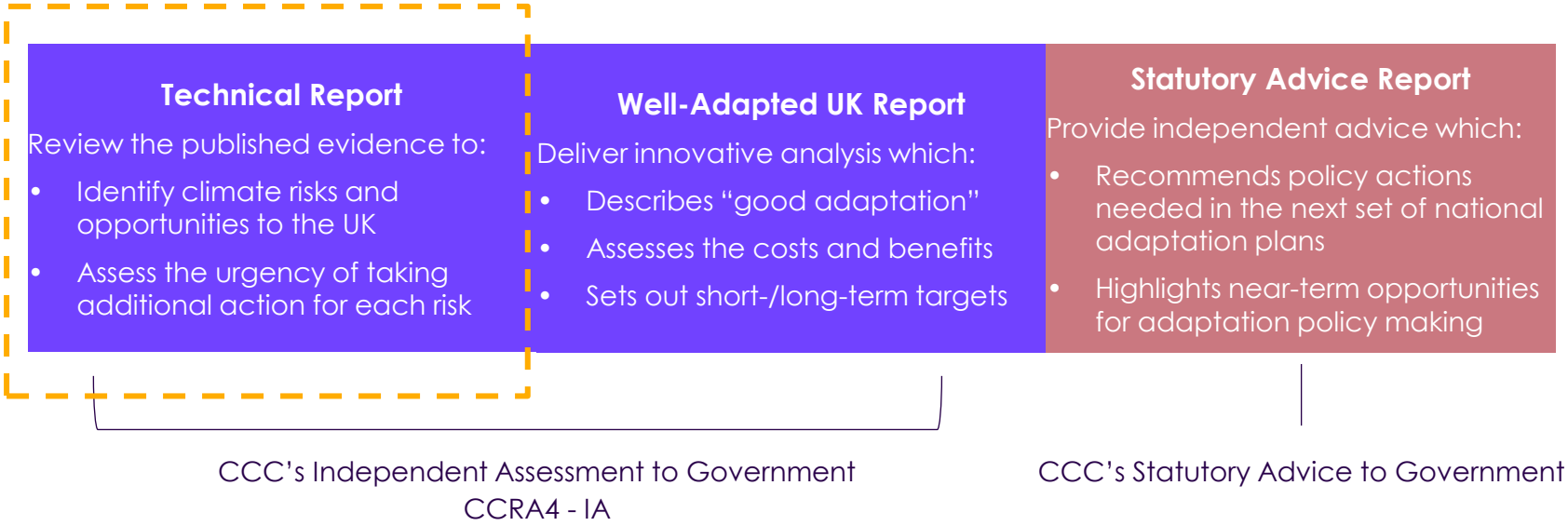
For the CCRA4 Independent Assessment we are seeking to:

- **Build on previous assessments** to ensure continuity with earlier CCRAs
- **Provide authoritative, evidence-based and up-to-date** insight to government
- **Support adaptation action** by setting out the case for near-term adaptation action within and beyond government
- **Ensure the assessment is useful to and usable by** decision-makers



2. Evolving our approach to CCRA4-IA

Planned main outputs from CCRA4-IA



The Technical Report underpins the Well-Adapted UK Report and Advice Report, and the description of risks is critical for mobilising responses by governments and other stakeholders

2. Evolving our approach to CCRA4-IA

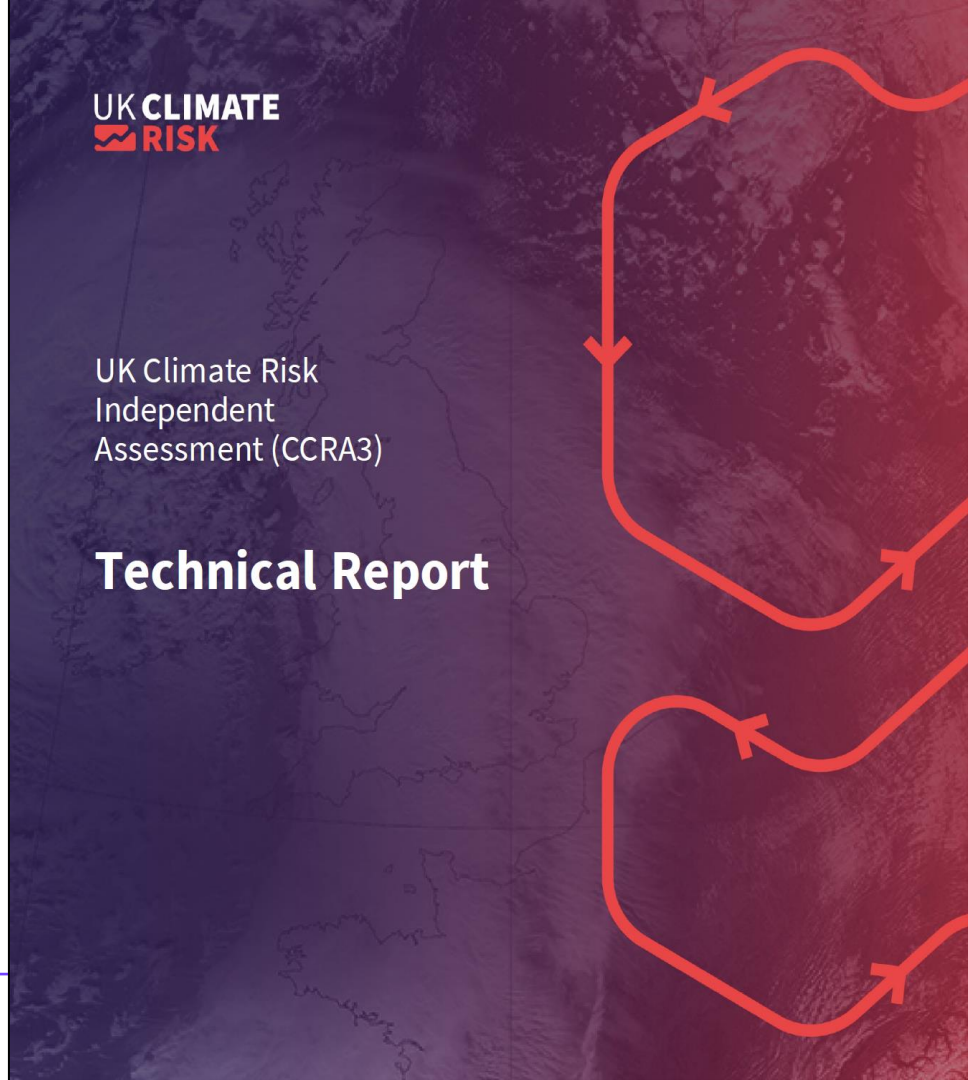
CCRA4-IA Technical Report

The Technical Report will provide a synthesis of the most up-to-date evidence on the range of risks and opportunities facing the UK from climate change.

Key elements of the approach will include:

- **Updating** the CCRA3 Technical Report using the most recent sources of information on UK climate risk
- **Refining** the urgency scoring framework from CCRA3 to enable clearer identification of national priorities
- **Co-developing** an accessible report that is easy to understand and use for a range of decision-makers

A consortium, led by the UK Met Office, has now begun work to deliver the CCRA4-IA Technical Report – this work will continue until late 2025.



Moving beyond CCRA3 technical report

The "Exam question" for CCRA4

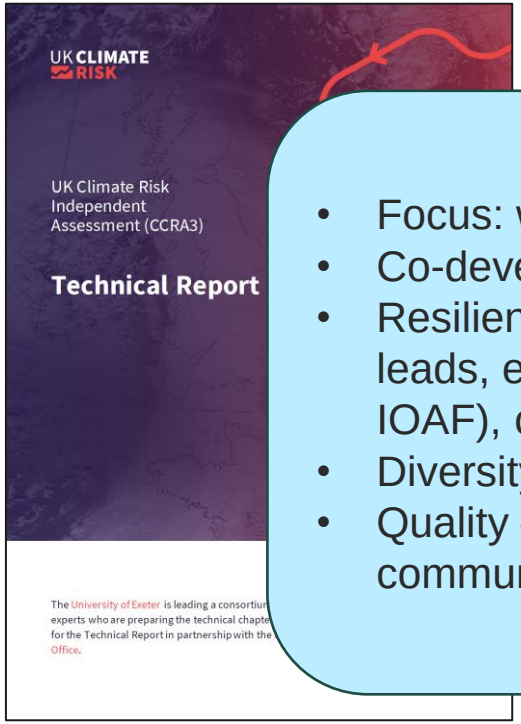
"How has the evidence on the full range of risks that face the UK, and their urgency, continued to evolve over the last five years?"

We will focus on the **change** since CCRA3

We will work with stakeholders to agree a more manageable list of risks

We will work with the adaptation committee to agree if an extra "urgency" category would be helpful

Moving beyond CCRA3 technical report



- Focus: what's changed? What's most urgent?
- Co-development with stakeholders
- Resilience within the consortium including joint chapter leads, existing structures (e.g. MOAP), relationships (e.g. IOAF), capabilities (potential outputs)
- Diversity of ideas
- Quality – Science Assurance, independent panel, community review

The “Exam question” for CCRA4

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What we've learned about users of CCRA3

- Risks are not always sufficiently well targeted at those responsible for policy (how to address different departmental remits across different nations)
- Suggestions:
  - Do not reduce number of risks? Bucket and Thimble.
  - Increase attention to interdependencies and challenges of ownership of interdependent risks
  - Include confidence rating in level of available data/ evidence
  - Acknowledge bigger systemic changes
  - Highlight possible nature and impact of sudden shocks
  - Include logical flow map/grid of hazards -> risks -> impacts -> risk owners
  - Strengthen economic analysis of impacts

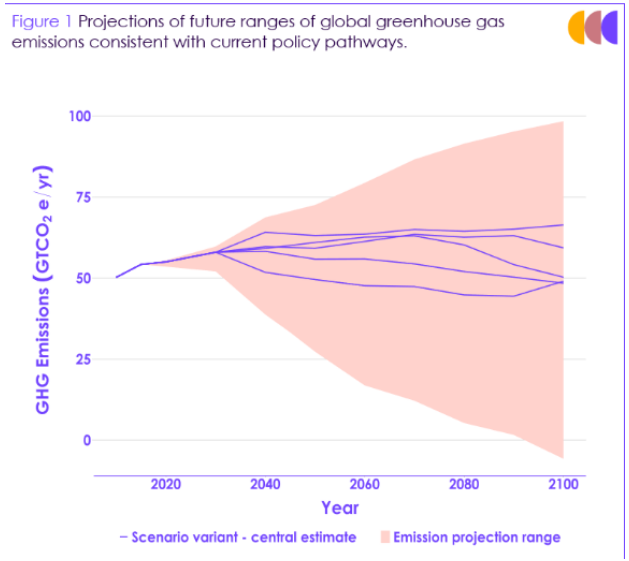
Approach to risks in CCRA4

- CCRA3 had 61 risks
- 34 of 61 risks were ranked as ‘more action needed’
- Feedback indicates the lack of granularity in the highest category is not helpful for prioritising action

- Aim to arrive at **a relevant set of risks** that can be more **clearly prioritised**.
- Includes a proposal to increase granularity in the ‘more action needed’ score to allow the identification of a smaller, more select number of ‘highest priority’ risks

Urgency scores for CCRA3 risks (CCC, 2021)

Approach to climate scenarios in CCRA4



A range of emissions scenarios broadly consistent with current global emission pledges are considered

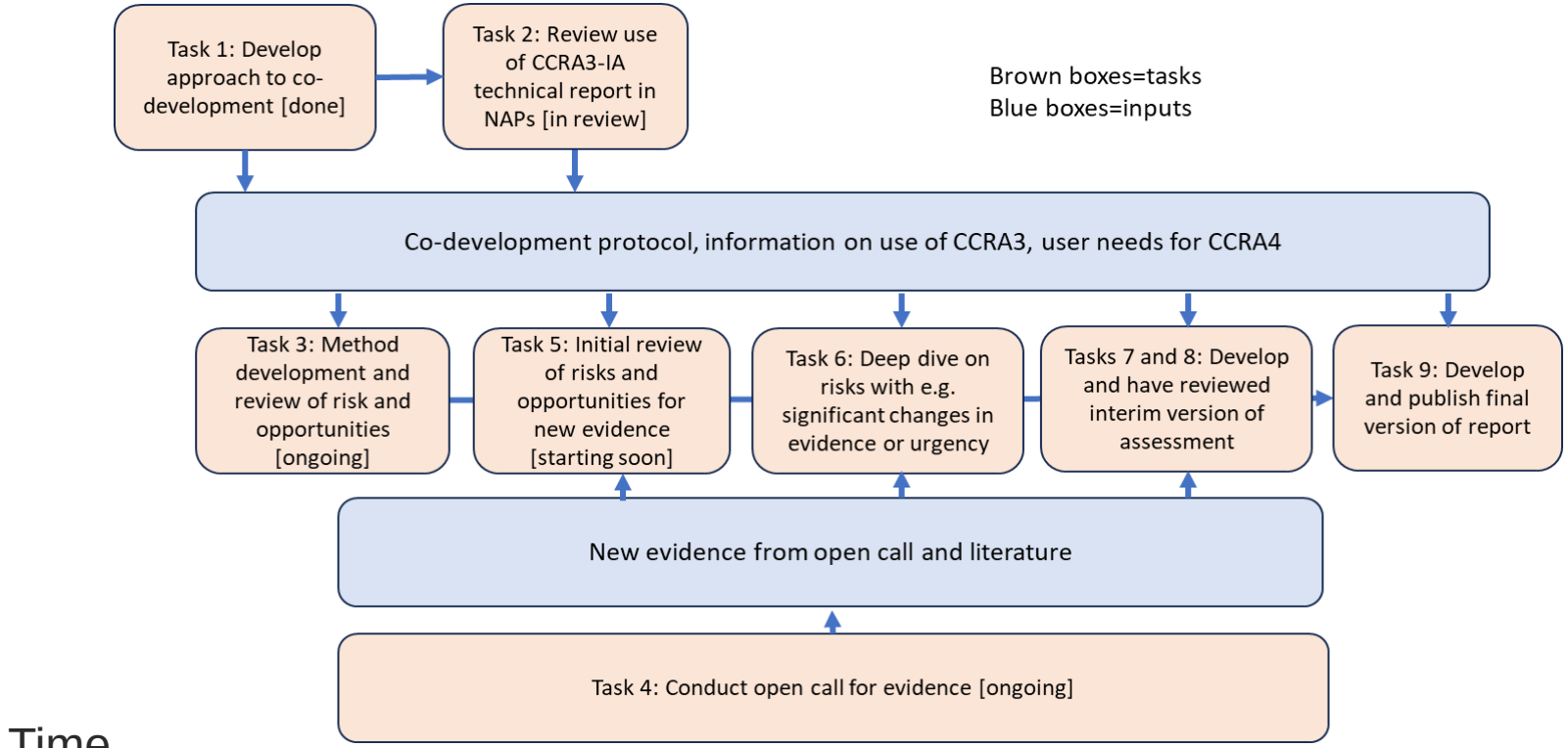
Table 1
Global warming levels and sampling of UK climate hazards to be considered at each time period for the CCRA4-IA assessment

	Central scenario		High climate hazard sensitivity	
Time period	2030s	2050s	2030s	2050s
Global warming level (above preindustrial levels)	1.5°C	2°C	2°C	2.5°C
UK climate hazards	Median of UKCP18 at 1.5°C	Median of UKCP18 at 2°C	Upper-end UKCP18 at 2°C	Upper-end UKCP18 at 2.5°C

CCRA4 will use global warming levels and consider effect of their being reached at 2030s and 2050s

State of the climate chapter will also consider climate beyond 2050 and Higher Impact Lower Likelihood scenarios.

Delivery steps



Our consortium

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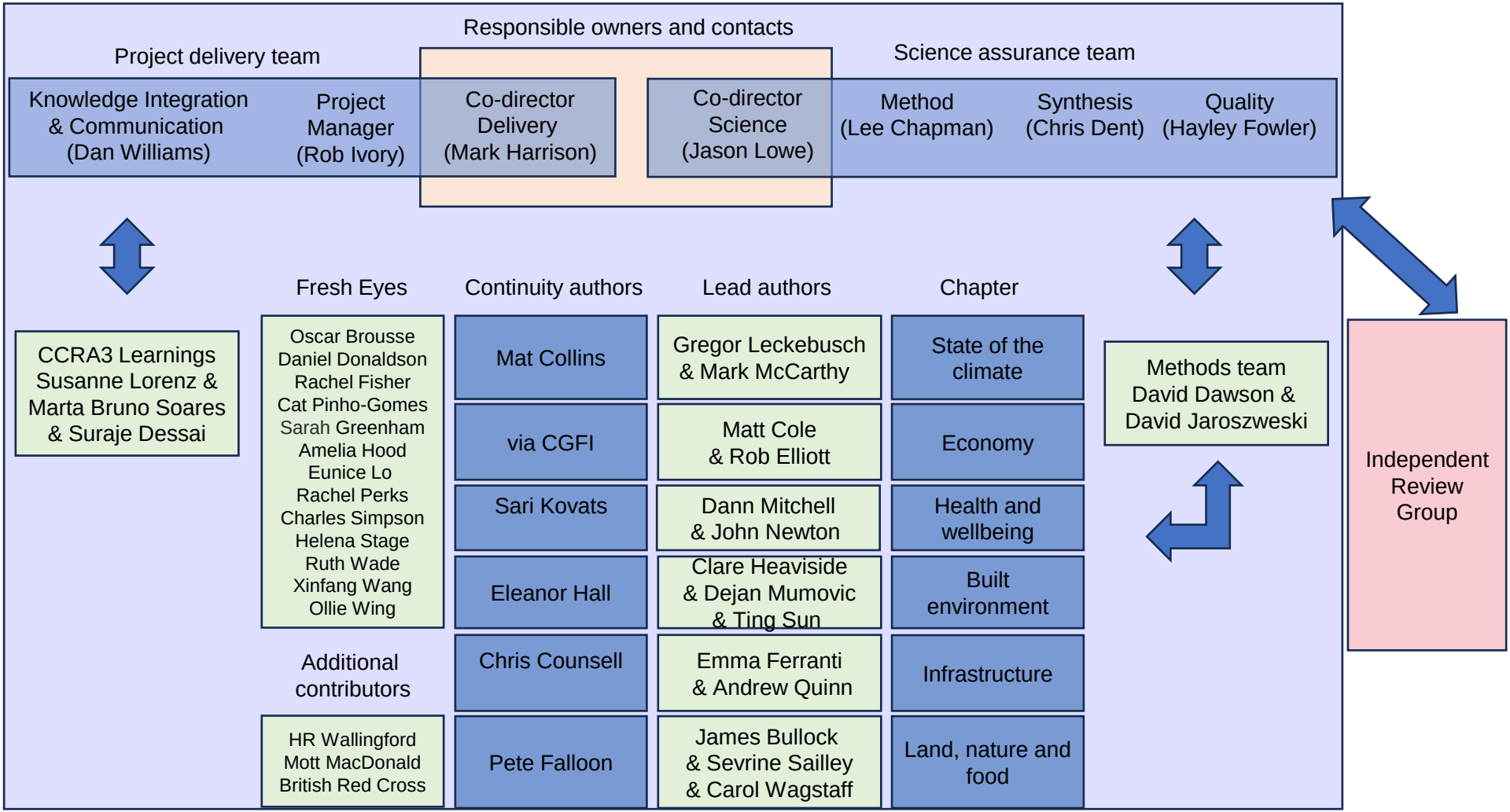
Responsible owners and contacts
Project delivery team
Science assurance team
Knowledge Integration & Communication (Dan Williams)
Project Manager (Rob Ivory)
Co-director Delivery (Mark Harrison)
Co-director Science (Jason Lowe)
Method (Lee Chapman)
Synthesis (Chris Dent)
Quality (Hayley Fowler)
CCRA3 Learnings Susanne Lorenz & Marta Bruno Soares & Suraje Dessai
Fresh Eyes
Continuity authors
Lead authors
Chapter
Oscar Brousse
Daniel Donaldson
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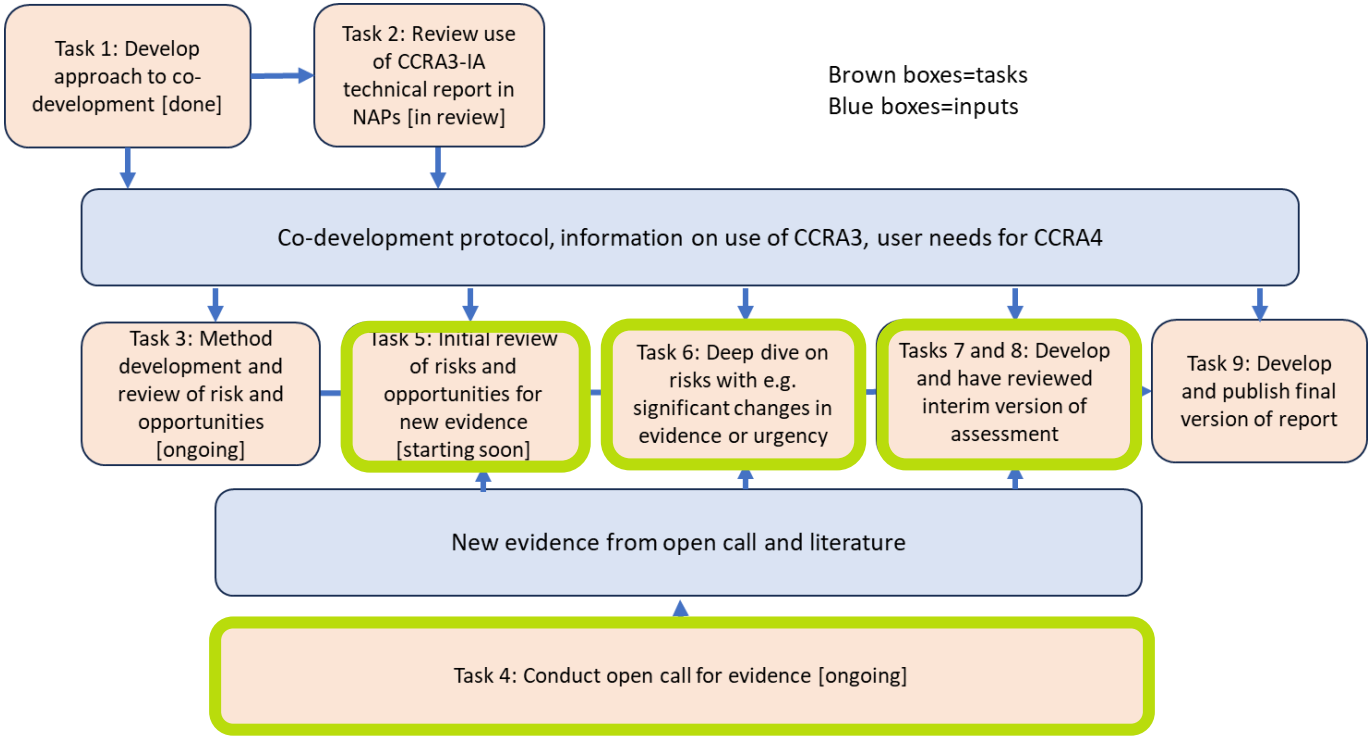
Health and wellbeing
Built environment
Infrastructure
Land, nature and food
Methods team David Dawson & David Jaroszweski
Independent Review Group

Ways to get involved

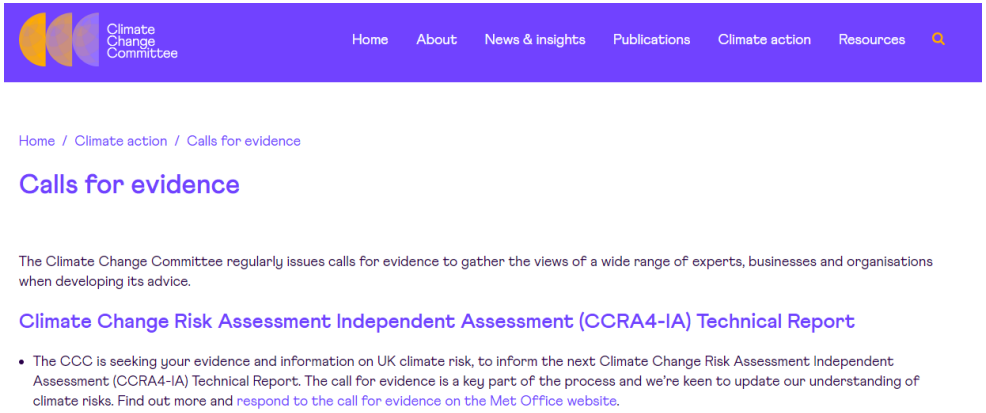


Open call for evidence

[Call for evidence - Climate Change Committee (theccc.org.uk)]

- Current call for evidence - September 2024
  - Academic papers
  - Project reports (supporting policy briefs)
  - Other Grey literature (conference proceedings, webinars, PhD or Masters theses, etc)

- Two further calls in due course
  - Target evidence gaps



Engagement opportunities
A chapter example

May 2024

Chapter leads to begin engagement with tech/academic stakeholders

Aug/Sep 2024

Set of chapter-led technical surveys

Oct/Nov 2024

Set of workshops, drilling into detail of cross-cutting themes and urgency scores

April 2025

Interim report for community review