



Committee on
Climate Change

Independent advice to government
on building a low-carbon economy
and preparing for climate change

14 November 2019

SPF links to CCRA3 and CCRA4

Prof. Mike Davies (Adaptation
Committee)

CCRA 'Exam Question'?

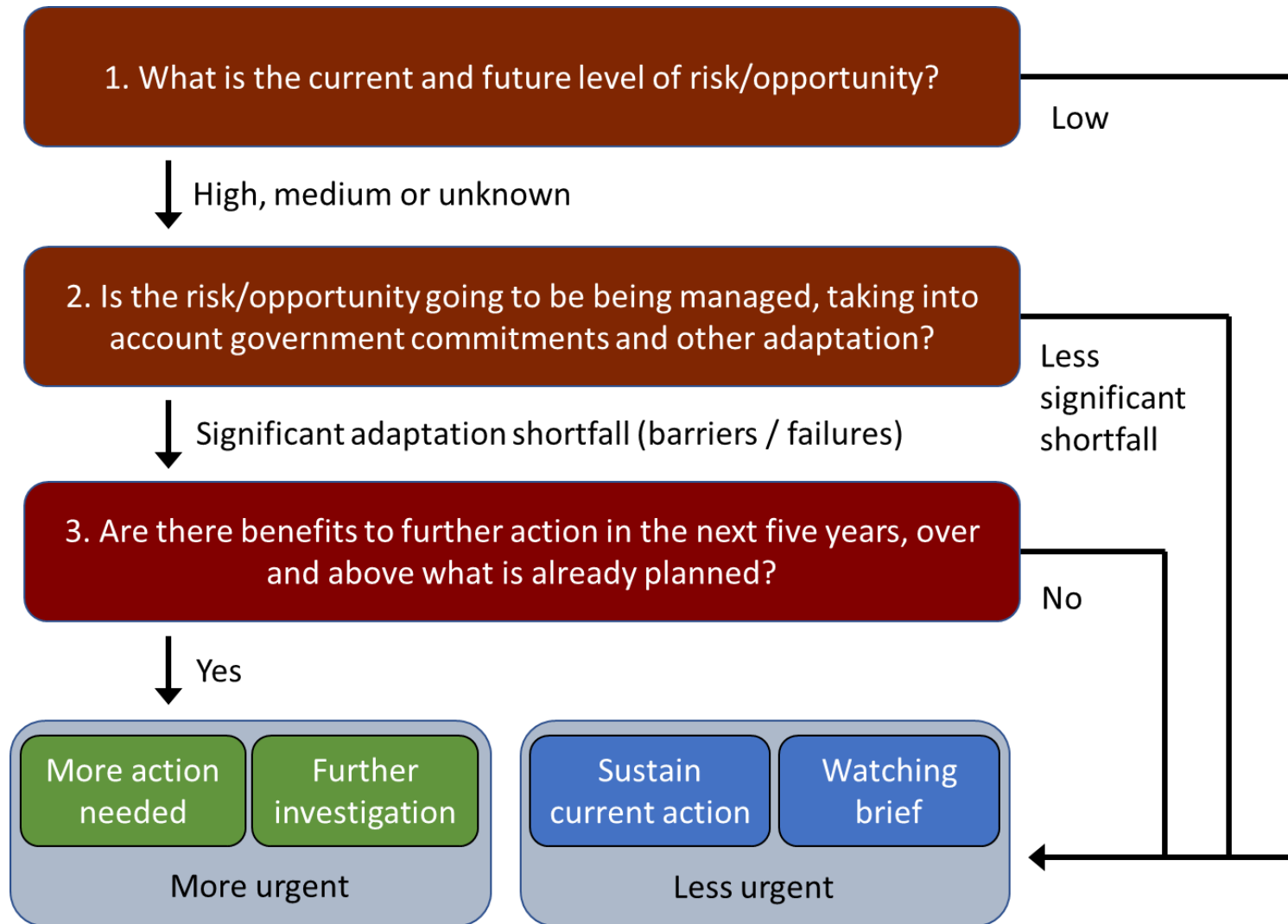
'EXAM' QUESTION FOR THE CCRA EVIDENCE REPORT :

“Based on our latest understanding of current, and future, climate risks/opportunities, vulnerability and adaptation, what should the priorities be for the next National Adaptation Programme and adaptation programmes of the devolved administrations?”

The CCRA brings together research in climate science, impacts, and adaptation. All three SPF objectives are critical to the success of the CCRA process (not just the first one)

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

CCRA3 - Urgency Scoring



CCRA3 Evidence Report High level timeline

Task	Jan – Jun 18	Jul- Dec 18	Jan – Jun 19	Jul – Dec 19	Jan – Jun 20	Jul – Dec 20	Jan – Jun 21
Agree requirement with Government	✓						
Tender and start work on outputs, write method		✓					
Research projects undertaken		✓	✓	✓			
Technical chapter drafting			✓	✓			
National, place-based and sector summaries							
Synthesis report							
Publication							



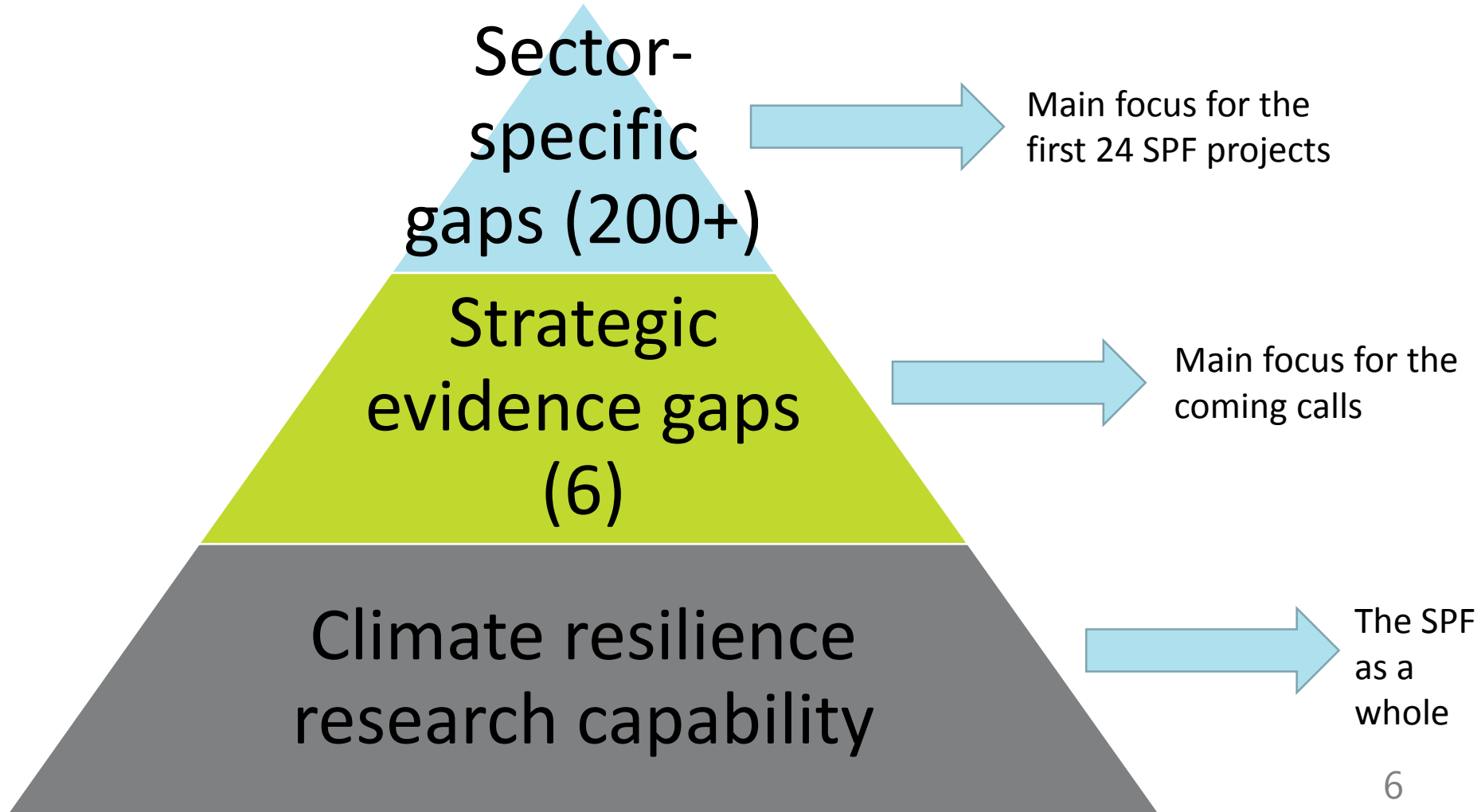
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CCRA3 Research projects and technical chapters – who is doing what

Research projects	Lead contractor/PM
Socioeconomic dimensions (published)	Cambridge Econometrics (Jennifer Dicks)
Flooding projections	Paul Sayers Associates (Paul Sayers)
Water availability projections	HR Wallingford (Chris Counsell)
Interacting risks	WSP (Paul Munday)
Thresholds in the natural environment	CEH (Laurence Jones)
Behaviour change	AECOM (Mike Henderson)
Improving accessibility	SWM (Alan Carr)

Technical Chapters – led by the University of Exeter and Met Office	Lead Authors (managed by Prof Richard Betts)
1 – Introduction and climate change in the UK	Julia Slingo (U of Exeter)
2 – Approach	Paul Watkiss (PWA Associates)
3 – Natural environment	Pam Berry (U of Oxford) Iain Brown (U of Dundee)
4 – Infrastructure	Ruth Wood (U of Manchester) Lee Chapman, David Jaroszweski (U of Birmingham)
5 – People and the built environment	Sari Kovats (LSHTM) Rachel Brisley (JBA)
6 - Business	Swenja Surminski (LSE)
7 – International	Andy Challinor, Tim Benton (U of Leeds)

Evidence Gaps for CCRA3/4



The six strategic evidence gaps identified by the CCC

- Development of **UK spatial modelling capability** that is able to link different sectors together (e.g. natural environment, human health and infrastructure) and shows the geographical distribution of risks.
- Development of a consistent set of **socio-economic scenarios** for the UK, including population and technological change.
- Robust **decision support frameworks** to enable decision makers to assess risks and plan adaptation responses consistently.
- Continued and enhanced investment in **monitoring** of observed changes in the natural environment, land use, population, the built environment and infrastructure.
- Better understanding of **behaviour change** in relation to climate risks.
- Better understanding of what **adaptation options** are available and what their effectiveness is in reducing risk.

Key dates

- CCRA3 second call for evidence – out now, deadline 31st January 2020
- Link:
<https://www.exeter.ac.uk/gsi/ccra3/evidence/>
- Cut off evidence date for CCRA3 - Aug 2020
- CCRA3 publication – June 2021
- CCRA4 commences – start of 2023 (approx.)