



UK Health
Security
Agency

Green Futures Network Adaptation Community of Practice – **Heat**

CCA Activities of the Extreme Events Team

11 October 2022

Activities of the Extreme Events Team for Health Protection (EEHP) - 1

- ❖ Extreme Events team is responsible to issue health advice on all extreme weather events: heatwaves, cold weather, flooding, storms etc.
- ❖ We work closely with the UK Met Office and issue Heat Health Alerts (HHA) during the summer months and similarly Cold Weather Alerts between 1st Nov & 31st March.

Activities of the Extreme Events Team for Health Protection (EEHP) - 2

- ❖ EEHP team informs relevant government departments when alerts have been issued and advises on relevant issues, including via PQs.
- ❖ We are currently working on a combined “**Single Adverse Weather and Health Plan**” (SAWHP), to be released in 2023.
- ❖ We analyse heat related excess mortality, see URL <https://www.gov.uk/government/publications/heat-mortality-monitoring-reports>

Heat mortality monitoring report: 2022 (prelim)

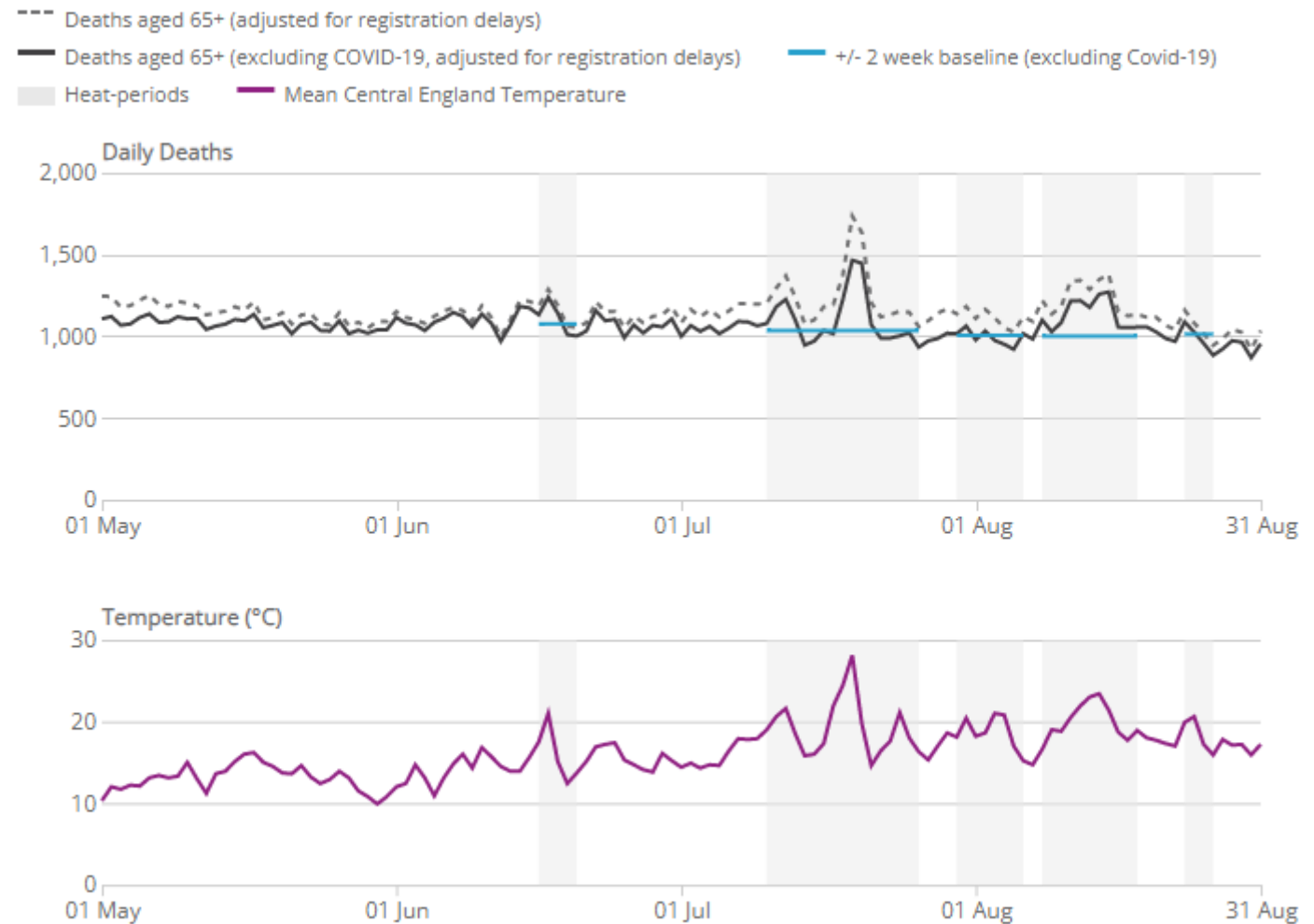
Estimated **excess mortality** (excluding COVID-19 and adjusted for registration delays) for aged 65 years and over in 2022 compared to +/- two-week baseline deaths for each heat-period, England

H2 (HHA level **4** +/- 1 day)

17-20 July: **1,012**

H4 8-17 August: **1,458**

(full data to be published)



UKHSA's unique role & the new CCHS

The UKHSA has established the **Centre for Climate and Health Security** (CCHS) in order to respond to these threats and represent the UKHSA 'offer' in this space.

The Centre will:

- provide scientific advice and support to local, national and international partners
- ensure that the impacts of climate change on public health are considered and embedded in system design

In practice, this entails:

- Increasing the awareness of the impacts of climate change on public health across local and national government and with international peers and partners
- Developing the evidence base concerning the impacts of climate change on public health
- Mobilising this evidence base to inform the design and implementation of climate change policies across local and national government and with international partners

Delivering on National Adaptation commitments (NAP) including:



- Development of the Single Adverse Weather and Health Plan (SAWHP)
- Updating the Health Effects of Climate Change in the UK Report (HECC 2023)

Building resilience, taking a one-health approach to emerging infections, zoonoses and vector-borne diseases



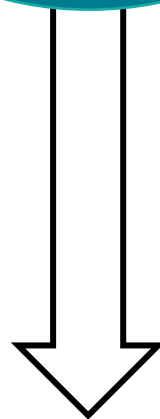
Support for local authorities to develop risk assessments and actions



Research to strengthen the evidence base e.g. health indicators, climate change mitigation behaviours, green and blue space



Examples of UKHSA activity on climate and health security



Providing expert information science and advice to support UK and global work on climate and health



Work with WHO Europe on the Health in Climate (HIC) agenda e.g. Zero Regrets paper to scale up action on climate mitigation and adaptation



COP26, COP27 and beyond:

- work on the Health Programme to build climate resilient health and food systems
- raising the voice of health professionals as advocates for stronger health ambition



UNDRR/ISC Hazard Definition and Classification Review – globally agreeing definitions and classification to aid monitoring



Work on UN Landmark Agreements of 2015 such as the Sendai Framework, the SDGs and the Paris Agreement



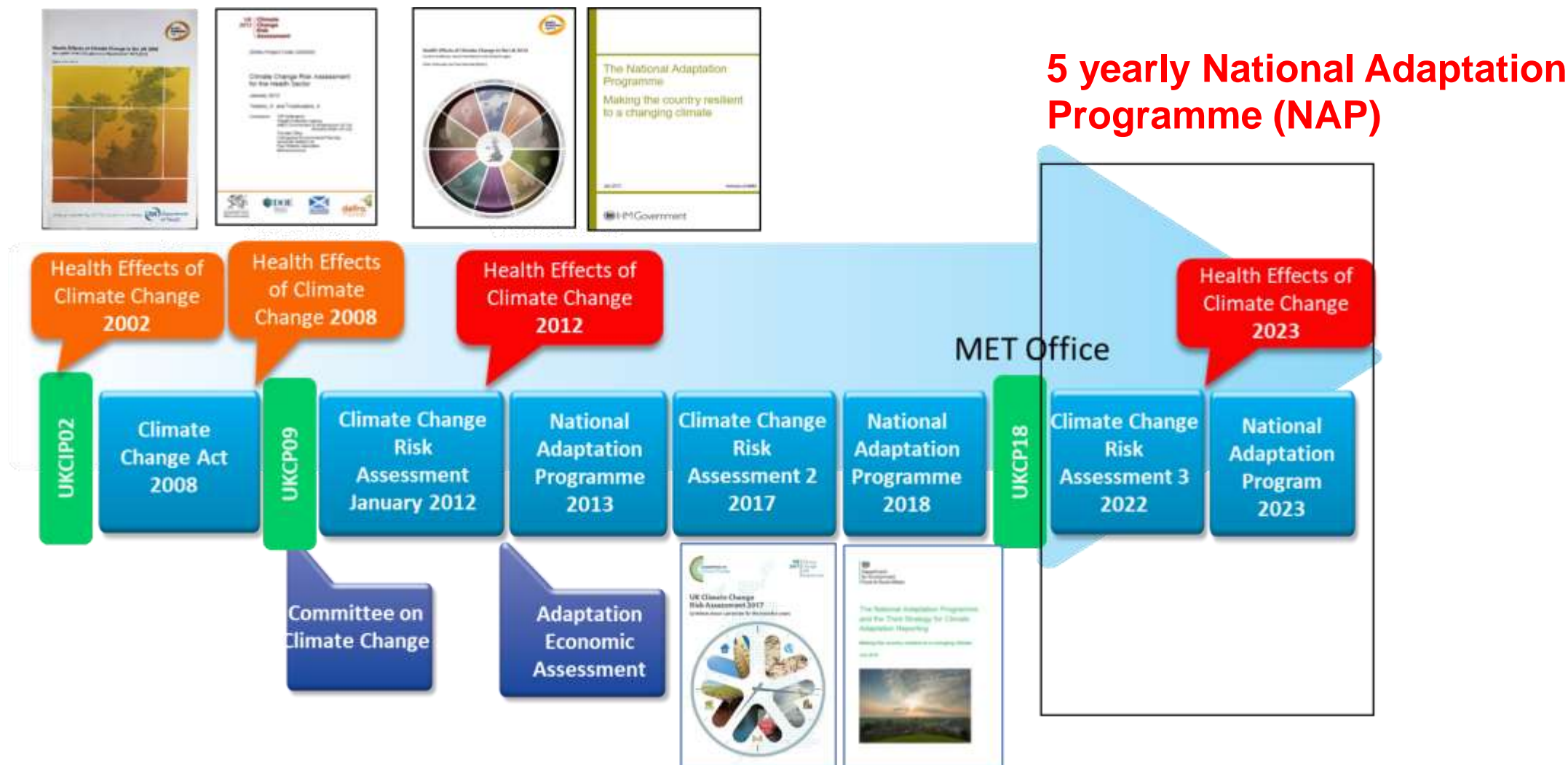
Multi-faceted work, encompassing strategy, operations and research, and undertaken in collaboration with organisations across the UK and internationally

CCHS organisation

- The CCHS will lead the co-ordination of all UKHSA's existing work concerning climate change and health
- The CCHS will unify this into a coherent programme of work represented in UKHSA's annual business plan
- The CCHS will adopt a network model employing **matrix working** to work across Groups and Divisions within UKHSA
- In doing so, the Centre will holistically secure a joined up, enhanced UKHSA contribution to mitigating the impacts of climate change to public health



National Adaptation Programme Policy Background



Health Effects of Climate Change in the UK (2023)

Theme	Chapter subject
Projections	Climate trends for the UK
Extreme Weather	Temperature (Heat and Cold)
	Flooding
Air Quality	Indoor Environmental air quality
	Outdoor air pollution
	Pollen and aeroallergens
Infectious Disease	Vector borne diseases
	Infectious diseases (food, water, air, emerging)
Food Security	Food systems, nutrition and health
Emerging Risks	Wildfires
	Drought
	Indirect exposures to chemicals
	Solar radiation and health
Mitigation and Adaptation	Strengthening Health systems resilience



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Thank you & Opportunity for your Questions