



UK Health
Security
Agency

IANPHI WEBINAR
HOW TO DEVELOP INDICATORS TO DRIVE RELEVANT ACTION
ON CLIMATE CHANGE AND HEALTH
14 NOVEMBER 2022

From national environmental change indicators to global capacity for public health

Giovanni Leonardi

Examples of current UKHSA activity on climate and health security

Delivering on National Adaptation commitments including:



- Development of the Single Adverse Weather and Health Plan
- Updating the Health Effects of Climate Change in the UK Report

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



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 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

Climate and health – indicators availability

	 yes	 needs new processing of existing data	 no
Heatwaves and heat risks to health	3	5	1
Cold	1	3	0
Flooding	1	8	2
Coastal change	0	3	2
Vector-borne diseases	0	4	4
Food Systems	1	10	2
Water quality and quantity	0	3	1
Health Services	2	1	2
Social care services	0	0	2
Indicators of the health impact of climate mitigation actions	0	1	2

(Health Protection Research Unit Environmental Change and Health. Indicators report, 2022)

International dimensions of UKHSA's work on climate change indicators

- Contribution to climate **case studies** and **curriculum development** for an **Environmental Epidemiology module within Field Epidemiology Training Programmes**, in collaboration with TEPHINET, IANPHI and others



- Contribution to organisation of **International Network on Public Health and Environment Tracking**, in collaboration with several technical staff active on response, surveillance and research in national public health institutes of several countries

<http://www.inphet.org>

INPHET

International Network on
Public Health &
Environment Tracking