

Climate & Health Strategy





- Diversity and Inclusion and Research Culture will be embedded into the work we fund and do.
- We have committed to spending at least **£16bn in the next ten years**





Source: https://climateactiontracker.org/gl obal/cat-thermometer/



Climate and Health

Vision

A world where catastrophic climate breakdown is averted in a way that allows human health to flourish

Mission

Putting health to the heart of climate change action

- generate evidence that spurs action
- informing actions to **mitigate and adapt**
- advocating for **coordination and cooperation** essential in building a healthy sustainable future



Goal 1

A transformational advance in the availability, access and use of evidence on the direct and indirect effects on health of climate change at local, national, regional and global levels

A transformational advance in the availability, access and use of climate change Goal 2 mitigation actions that have a disproportionately positive benefit to health

A transformational advance in the availability, access and use of mitigation-Goal 3 pathway-dependent climate change adaptations to protect health in vulnerable communities



Goal 4

Catalyse the development of a global Climate & Health research, policy and practice community that requests and uses evidence to inform policy and drive urgent actions

- 1. Data, metrics, methods and tools Internationally standardised and accessible C&H research delivered through enhanced approaches to measurement, attribution, statistical methods, impact metrics and data platforms
- **2.** Field building Targeted capability building for a diverse field of researchers, policymakers and practitioners to support the embedding of a science-based global C&H agenda, accelerating the demand, generation, interpretation and implementation of transdisciplinary C&H evidence and policy
- **3.** Learning Globally accessible tools and resources that track progress and learnings towards evidence-based C&H action



Example early investments

Heat adaptation: evaluating interventions to help manage the health effects of heat

Award will fund teams led by researchers from low-or middleincome countries to test interventions to manage heatrelated health risks in real settings.

Funding: £0.5- £2m, up to 5 years

Closed



Biological vulnerability to extreme heat in maternal and child health

Successful applicants (Mid/Senior PI) will have delivered new knowledge at this intersection and generated evidence with the potential to inform new interventions that can be used in real world settings.

Funding (Global): £0.5- £2m, up to 5 years

Deadline 8th Aug



Advancing evidence-informed mitigation policy solutions with health co-benefits in G7 countries

This award will fund collaborations between researchers and policy actors who have a clear opportunity to influence climate mitigation policies with substantial health effects.

Successful applicants will generate evidence which will support policymakers in G7 countries to advance transformative healthcentred changes in the food systems, transport and energy sectors.

Funding (G7 Countries): £2m, up to 3 years

Deadline 31st Oct



Example investments in field building

Climate Health National Statistics Working Group

Objective: Improve the ability to track the health impacts of climate change through developing the capabilities of national statistics agencies and convening the international community around reporting methods and standards. Partners. Led by ONS with Cochrane Climate-Health Working Group and other partners.

Health in the Globa Environmental Agenda policy guide SD REPORT A collaborative project between the Global Health IISD (9)

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Academy at the University of Edinburgh and the International Institute fo Sustainable Development

January 2022

inello, Alice McGushin, Claudia Di Napoli, Paul Drummond, Nick Hughes, Louis Jamart, Harry Kennard, Pete Lampard Baltazar Solano Rodriguez, Nigel Arnell, Sonja Ayeb-Karlsson, Kristine Belesova, Wenjia Cai, Diarmid Campbell-Lendrum, Stuart Capstick onathan Chambers, Lingzhi Chu, Luisa Ciampi, Carole Dalin, Niheer Dasandi, Shouro Dasgupta, Michael Davies, Paula Dominguez-Salas Robert Dubrow, Kristie L Ebi, Matthew Eckelman, Paul Ekins, Luis E Escobar, Lucien Georgeson, Delia Grace, Hilary Graham, Samuel H Gunther, Stella Hartinger, Kehan He, Clare Heaviside, Jeremy Hess, Shih-Che Hsu, Slava Jankin, Marcia P limenez, Ilan Kelman, Gregor Kiesewette Patrick L Kinney, Tord Kjellstrom, Dominic Kniveton, Jason KW Lee, Bruno Lemke, Yang Liu, Zhao Liu, Melissa Lott, Rachel Lowe, Jaime Martinez-Urtaza, Mark Maslin, Lucy McAllister, Celia McMichael, Zhifu Mi, James Milner, Kelton Minor, Nahid Mohaieri Maziar Moradi-Lakeh. Karvn Morrissev. Simon Munzert. Kris A Murrav. Tara Neville. Maria Nilsson. Nick Obradovich. Maauins Odhiambo Sewe Tadj Oreszczyn, Matthias Otto, Fereidoon Owfi, Olivia Pearman, David Pencheon, Mahnaz Rabbaniha, Elizabeth Robinson, Joacim Rocklöv, Renee N Salas, Jan C Semenza, Jodi Sherman, Liuhua Shi, Marco Springmann, Meisam Tabatabaei, Jonathon Taylor, Joaquin Trinanes, Joy Shumake-Guillemot, Bryan Vu, Fabian Waaner, Paul Wilkinson, Matthew Winnina, Marisol Yalesias, Shihui Zhana, Pena Gona, Hugh Montgomery, Anthony Costello, Ian Hamilton

Executive summary

that independently monitors the health consequences of a of people have died prematurely from the heat. changing climate. Publishing updated, new, and improved Furthermore, populations in countries with low and indicators each year, the Lancet Countdown represents the medium levels of UN-defined human development index consensus of leading researchers from 43 academic (HDI) have had the biggest increase in heat vulnerability institutions and UN agencies. The 44 indicators of this during the past 30 years, with risks to their health further first appeared at thelaroot.com report expose an unabated rise in the health impacts of exacerbated by the low availability of cooling mechanisms climate change and the current health consequences of the and urban green space (indicators 1.1.1, 2.3.2, and 2.3.3). Swe Editorial page 1541 delayed and inconsistent response of countries around the Agricultural workers in countries with low and Forthe Chinese translation globe-providing a clear imperative for accelerated action medium HDI were among the worst affected by exposure that puts the health of people and planet above all else.

The 2021 report coincides with the UN Framework 295 billion potential work hours lost due to heat in 2020 Convention on Climate Change 26th Conference of the (indicator 1.1.4). These lost work hours could have Parties (COP26), at which countries are facing pressure devastating economic consequences to these already to realise the ambition of the Paris Agreement to keep vulnerable workers-data in this year's report shows that the Executive Summary see the global average temperature rise to 1-5°C and to the average potential earnings lost in countries in the low Online for appendix 3 mobilise the financial resources required for all HDI group were equivalent to 4-8% of the national gross countries to have an effective climate response. These domestic product (indicator 4.1.3). negotiations unfold in the context of the COVID-19 Through these effects, rising average temperatures, pandemic-a global health crisis that has claimed and altered rainfall patterns, climate change is beginning millions of lives, affected livelihoods and communities to reverse years of progress in tackling the food and water around the globe, and exposed deep fissures and insecurity that still affects the most underserved inequities in the world's capacity to cope with, and populations around the world, denying them an essential respond to, health emergencies. Yet, in its response to aspect of good health. During any given month in 2020, both crises, the world is faced with an unprecedented up to 19% of the global land surface was affected by opportunity to ensure a healthy future for all.

Deepening inequities in a warming world

Record temperatures in 2020 resulted in a new high of potential of the world's major staple crops-a 3.1 billion more person-days of heatwave exposure 6.0% reduction for maize; 3.0% for winter wheat; among people older than 65 years and 626 million more 5.4% for soybean; and 1.8% for rice in 2020, relative to person-days affecting children younger than 1 year, 1981-2010 (indicator 1.4.1)-exposing the rising risk of compared with the annual average for the 1986-2005 food insecurity. baseline (indicator 1.1.2). Looking to 2021, people older Adding to these health hazards, the changing than 65 years or younger than 1 year, along with people environmental conditions are also increasing the facing social disadvantages, were the most affected by the suitability for the transmission of many water-borne, airrecord-breaking temperatures of over 40°C in the Pacific borne, food-borne, and vector-borne pathogens. Although Northwest areas of the USA and Canada in June, 2021- socioeconomic development, public health interventions, an event that would have been almost impossible without and advances in medicine have reduced the global

www.thelancet.com Vol 398 October 30, 2021



Review

The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future



human-caused climate change. Although the exact Lancet 2021; 398: 1619-62 The Langt Countdown is an international collaboration number will not be known for several months, hundreds, existent or for

to extreme temperatures, bearing almost half of the

extreme drought; a value that had not exceeded 13% between 1950 and 1999 (indicator 1.2.2). In parallel with drought, warm temperatures are affecting the yield

October 20, 2021 50140-6736(21)01787-6 corrected. The corrected version

Everytive Summ for appendix 2

For the German

For the Spanish translation of th

or accounding 4 Institute for Global I (M Romanello PhD. A McGushin MSc. L Jamart MS Prof | Kelman PhD Prof & Costello FMedSci Institute for Sustainal Resources (P Drummond MS N Hughes PhD. C Dalin PhD. M Winning PhD), UCL Energy B Solano Rodriguez MSc Prof I Hamilton PhD), Institu Engineering (Prof M Davies PhD of Geography (L Georgeson PhD

School of Sustainable

(K He MSc. Z Mi PhD), and Centre for Human Health and



Thank you!

Modi.Mwatsama@wellcome.org.uk

