

WHO Collaborating Centre for research and training on complex systems and network science for NCD prevention and control

Ruth Hunter

Professor of Public Health and Planetary Health
Director, WHO Collaborating Centre
Centre for Public Health, Queen's University Belfast
E-mail: ruth.hunter@qub.ac.uk
Website: <https://www.qub.ac.uk/sites/who/>

Support the WHO in:

- **building capacity** in the application of complex systems and network science by offering training
- research involving the **application** of complex systems and network science approaches in NCD prevention and control
- development and provision of an online tool for undertaking **stakeholder network analyses** to support implementation research

Members:

- Ruth Hunter, public/planetary health
- Neil Anderson, computer science
- Mike Clarke, evidence synthesis
- Leandro Garcia, complexity science
- Frank Kee, public health medicine
- Ciaran O'Neill, economist





COMPLEX SYSTEMS AND NETWORK
SCIENCE FOR PREVENTION AND CONTROL
OF NONCOMMUNICABLE DISEASES

A WHO COLLABORATING CENTRE
FOR RESEARCH AND TRAINING

Building capacity: Systems thinking

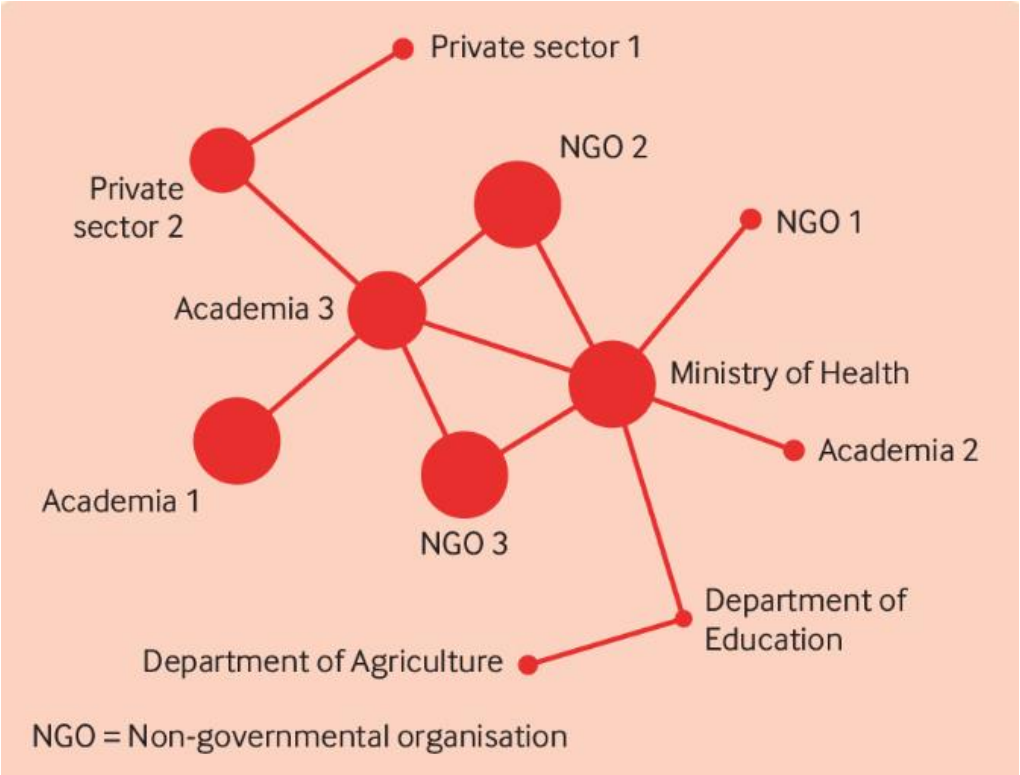
Summer school: Systems thinking and innovation for the prevention of noncommunicable diseases and a healthy ageing population in the WHO European Region

16 – 19 July 2024 | Nice, France

<https://www.who.int/europe/news-room/events/item/2024/07/16/default-calendar/summer-school--systems-thinking-and-innovation-for-the-prevention-of-noncommunicable-diseases-and-a-healthy-ageing-population-in-the-who-european-region#:~:text=The%20summer%20school%20is%20designed,policies%2C%20strengthen%20multisectoral%20collaboration%20and>

3rd summer school: 16th – 19th July 2024

Building capacity: Stakeholder network analysis



BMJ 2019; 365 doi:
<https://doi.org/10.1136/bmj.l1871>

SOLUTIONS FOR PREVENTION AND CONTROL OF NON-COMMUNICABLE DISEASES

National action plans to tackle NCDs: role of stakeholder network analysis

Network science approaches can enhance global and national coordinated efforts to prevent and manage non-communicable diseases, say **Ruth Hunter and colleagues**

D recent figures highlight the rising global burden of non-communicable diseases (NCDs). The World Health Organization (WHO) estimates that 71 million people die from NCDs each year, and the number is expected to rise to 92 million by 2030. This is a significant public health challenge, and governments and the whole of society is necessary to support countries to reduce NCDs.

Operationalising multisectoral partnerships as networks

Stakeholder network analysis toolkit

- <http://stakeholdernet.org/>
- Supporting manual
- Training
- Supported stakeholder network analysis research and capacity building in range of countries such as Portugal, Kryrgyzstan, Azerbaijan
- Example reports such as global co-ordinating mechanism; climate action and NCDs; age friendly cities

National programmes
for age-friendly cities
and communities
A guide



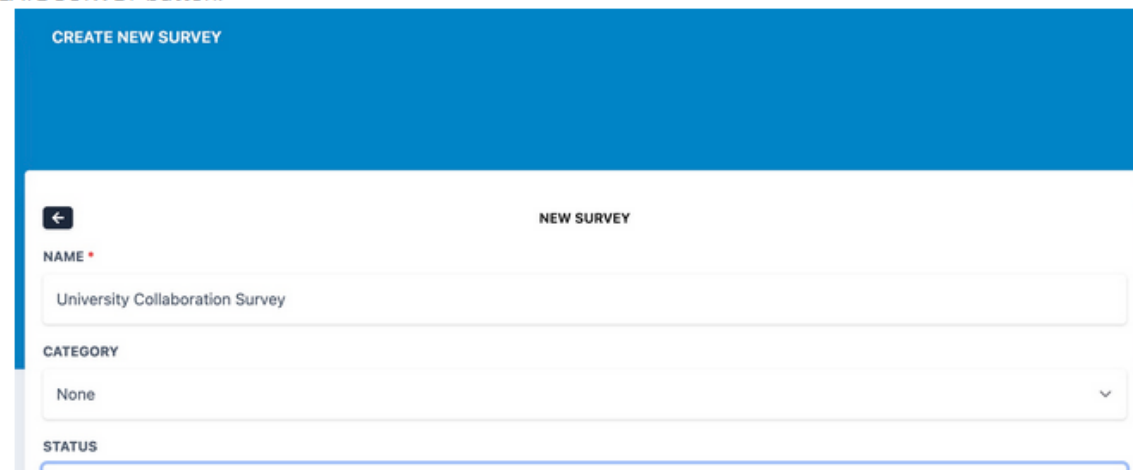
Stakeholder Net

Creating a new survey

Quickly and easily get started with Stakeholder Net.

Create a new survey

1. Log in to Stakeholder Net and click on SURVEYS from the left-hand side menu.
2. Click on the + symbol on the top right-hand side of the SURVEYS page.
3. Give the survey a name and set the STATUS to Draft.
4. Click the CREATE SURVEY button.



CREATE NEW SURVEY

NEW SURVEY

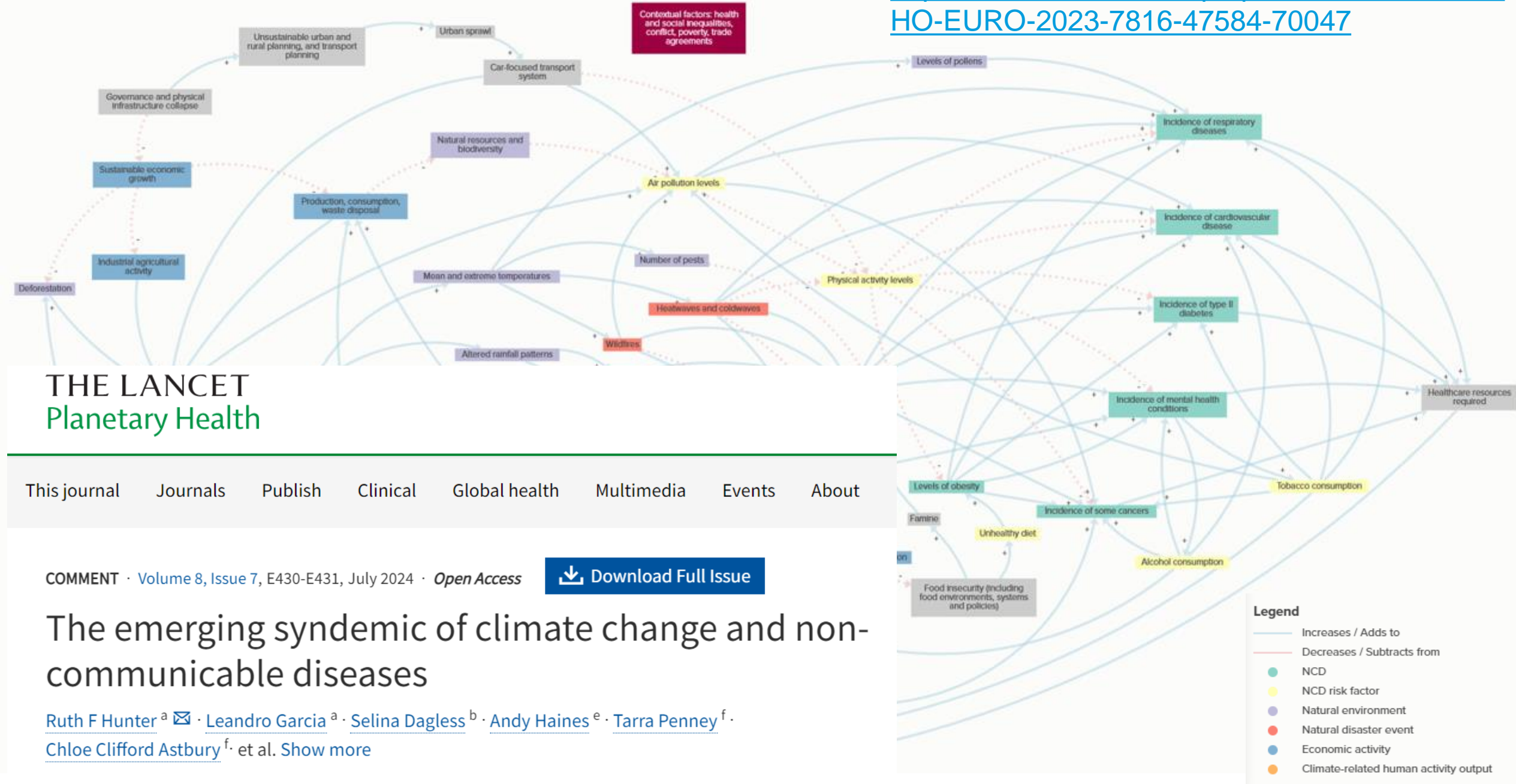
NAME *

University Collaboration Survey

CATEGORY

None

STATUS



THE LANCET Planetary Health

[This journal](#) [Journals](#) [Publish](#) [Clinical](#) [Global health](#) [Multimedia](#) [Events](#) [About](#)

COMMENT · Volume 8, Issue 7, E430-E431, July 2024 · [Open Access](#)

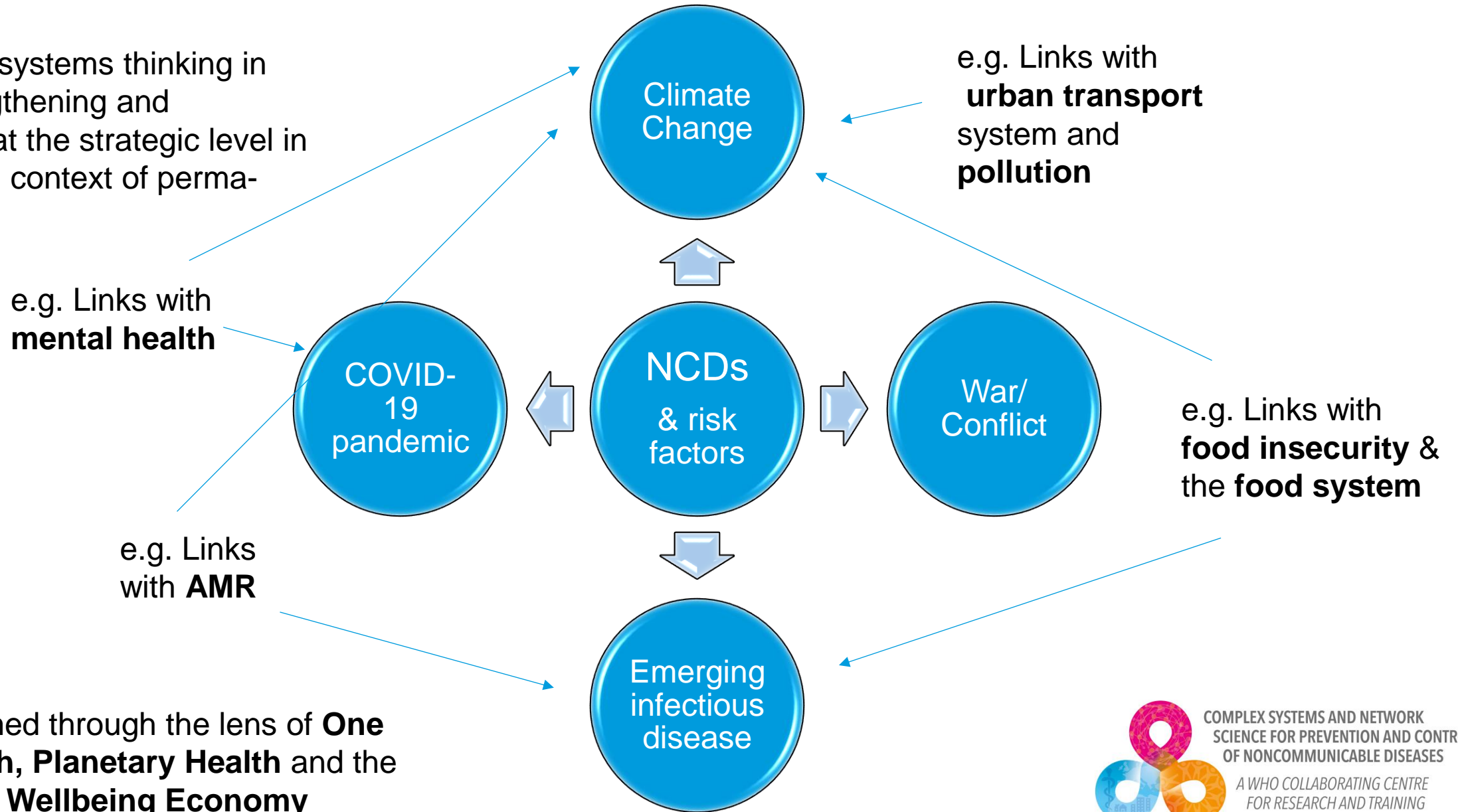
[Download Full Issue](#)

The emerging syndemic of climate change and non-communicable diseases

[Ruth F Hunter](#)^a [✉](#) · [Leandro Garcia](#)^a · [Selina Dagless](#)^b · [Andy Haines](#)^e · [Tarra Penney](#)^f · [Chloe Clifford Astbury](#)^f et al. [Show more](#)

Systems thinking, NCDs and the perma-crises

The role of systems thinking in NCD strengthening and innovation at the strategic level in a European context of perma-crises



Framed through the lens of **One Health, Planetary Health** and the **Wellbeing Economy**

Implementation Research



Online launch of WHO/Europe report on implementation research for the prevention of NCDs

9 October 2024

9 October 2024, online, 01:00 PM Central European Summer Time (CEST) (GMT+2:00)

At the online event, WHO/Europe will present a new report "Implementation research for the prevention of noncommunicable disease risk factors in the WHO European Region". The report aims to bridge the gap between research and action, identifying effective strategies to transform health research into practical policies that protect people from noncommunicable diseases (NCDs), including cardiovascular diseases.

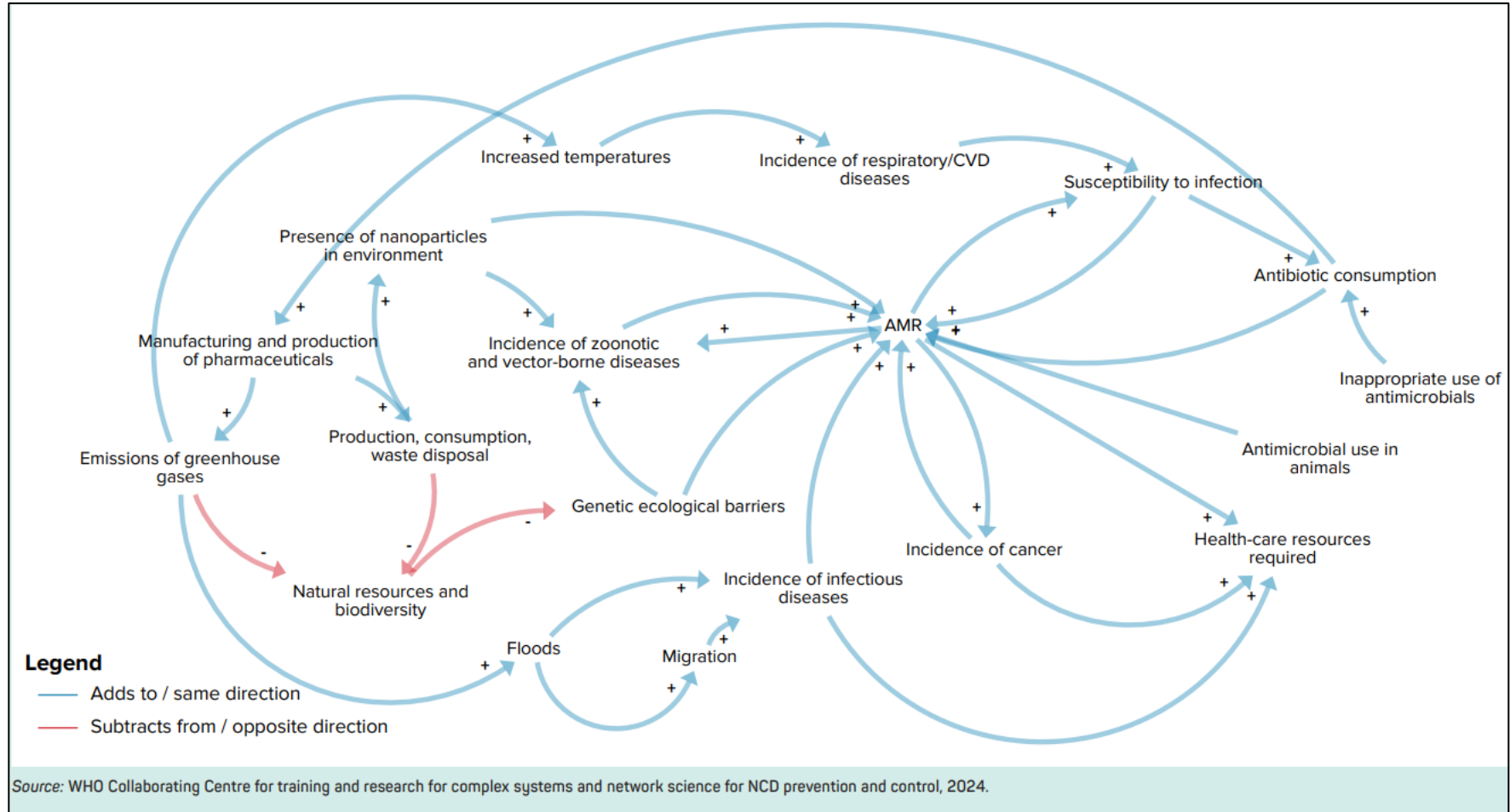
Related

- Registration for the launch event
- WHO/Europe Special Initiative on NCDs and (SNI)

News



Advocacy briefs





Thank you

**WHO Collaborating Centre for
research and training on complex
systems and network science for
NCD prevention and control**

Website: <https://www.qub.ac.uk/sites/who/>