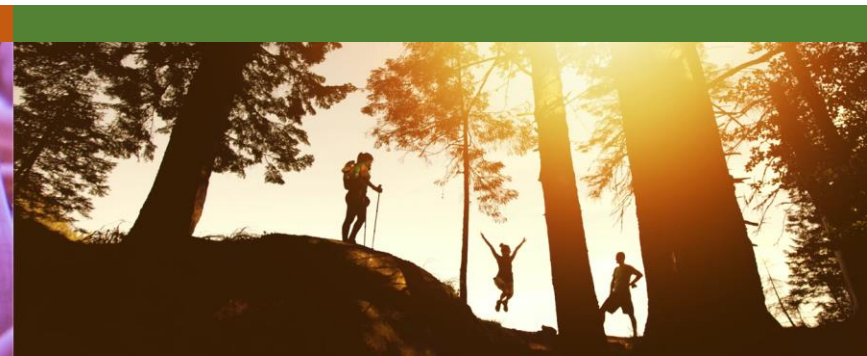
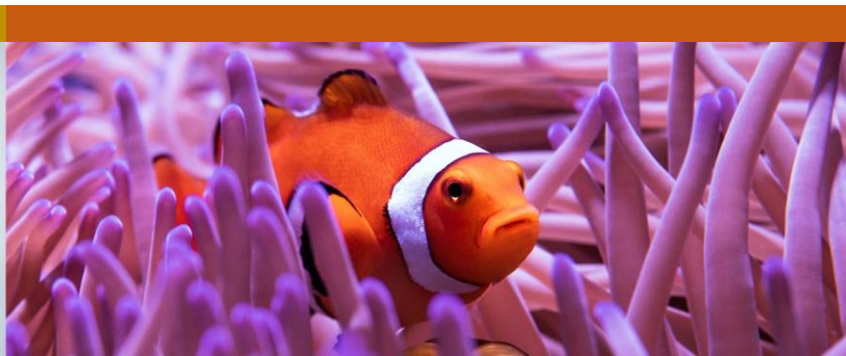




KU LEUVEN



LEUVEN ONE HEALTH





One Health?

Holistic approach to health, which recognizes that the health of all living beings and the world they share is **interconnected** and interdependent. The approach is therefore commonly applied in areas that are at the interface of human, animal and/or environmental health:



Climate change



Food safety



Biodiversity loss



AMR



Zoonoses




Pollution



...and many more

Additionally, the One Health approach recognizes that today's issues are inherently **complex**, with no simple solutions. It therefore includes multiple academic disciplines and societal sectors and stakeholders (citizens, policy makers, industry, NGOs,...) to help understand problems in all their complexity, and to work towards solutions that are sustainable.





Humans

Animals



Zoonoses



Food safety



AMR



Biodiversity loss




Pollution



Climate change

Environment





SYSTEMS
THINKING METHODOLOGY

ENVIRONMENT
AND HEALTH

ANTI-
MICROBIAL
RESISTANCE

PANDEMIC
PREVENTION
AND
PREPARED-
NESS

RESOURCE EXCHANGE

LEUVEN ONE HEALTH

Interdisciplinary platform that connects researchers from the three groups of the university.

Our mission:

- Strengthen interdisciplinary collaboration, networking and exchange of knowledge
- Initiate and coordinate One Health research projects
- Give an identity and visibility to One Health research at KU Leuven, towards setting up collaborations and initiatives with outside partners

Research lines:

- International priorities with lasting relevance
 - Expertise within KU Leuven
- 

Environment and health

Exposome research
Climate change
Ecotoxicology
Remote sensing
Land use change
Water management
Surveillance
Landscape ecology
Environmental pathogen
detection in wastewater
and air
Heat stress
...

Antimicrobial resistance

Drug discovery
Precision dosing
Antibiotics
Antivirals
Antifungals
New strategies to combat
resistant microbes
Sterilization methods
Prescription of AB in
general practice
Microbiota of humans and
animals
...

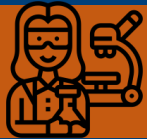
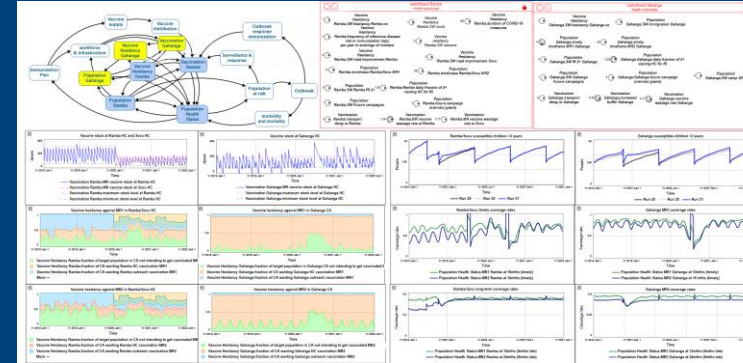
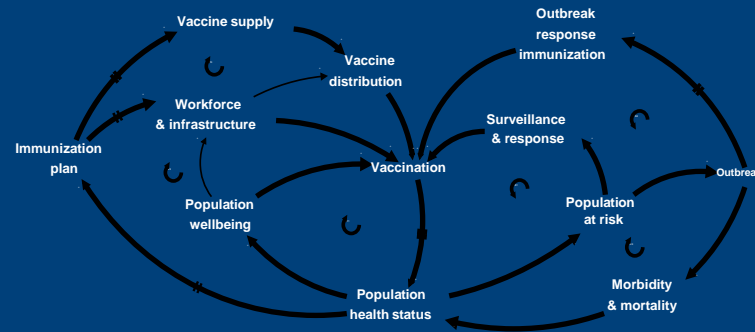
Pandemic prevention and preparedness

Epidemiology
Biodiversity conservation
Virology/bacteriology/parasi
tology/immunology
Statistics and forecasting
Animal vectors
Host-pathogen interaction
Vaccine hesitancy
COVID-19 recovery
Patient preference research
Priority setting in healthcare
...

Health economics; Anthropology; Social sciences; Governance; Agriculture; Human migration dynamics;

...

Collaboration – coordination - communication

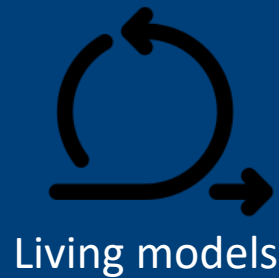


Scientific community



**Research
Collaboration**

Group model
building
Bridging



Living models

**Outcomes
communication**

Policy design
Public awareness



Driving behavior

**Sustained
impact**

Coordinated
implementation



Citizen science

Participatory design

Storytelling



One Health

Symposium

Onderzoek en innovatie op het
kruispunt van milieu en gezondheid

Tuesday April 23, 2024

09:00h - 17:00h

College De Valk, Leuven

Onder auspiciën van



LEUVEN ONE HEALTH





LEUVEN ONE HEALTH

Contact us: onehealth@kuleuven.be

Leuven One Health 

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Prof. Nico Vandaele

Prof. Ben Somers

Prof. Peter Hoet

Research Manager:

Dr. Robbert Boudewijns

