



**netherlands  
centre for  
one health**

# Infectious Diseases Research in The Netherlands Centre for One Health

Annual Science Meeting 29 October, 2020

Hosted by:

Prof Dr Marion Koopmans, ErasmusMC  
Director Emerging Infectious diseases

Prof Dr Heiman Wertheim, Radboudumc



Associate partner



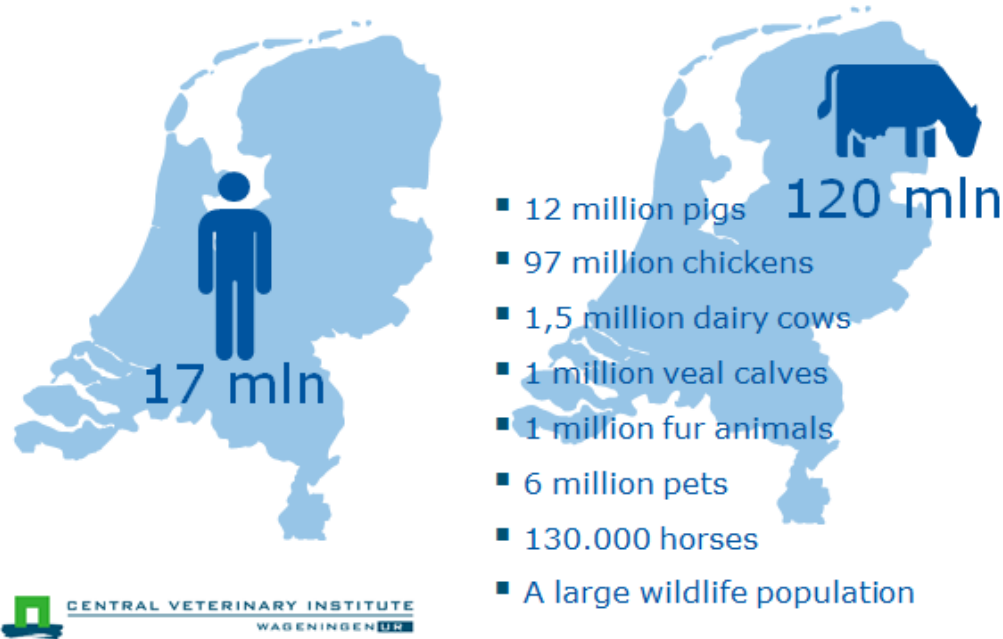
Rijksinstituut voor Volksgezondheid  
en Milieu  
Ministerie van Volksgezondheid,  
Welzijn en Sport



Radboudumc



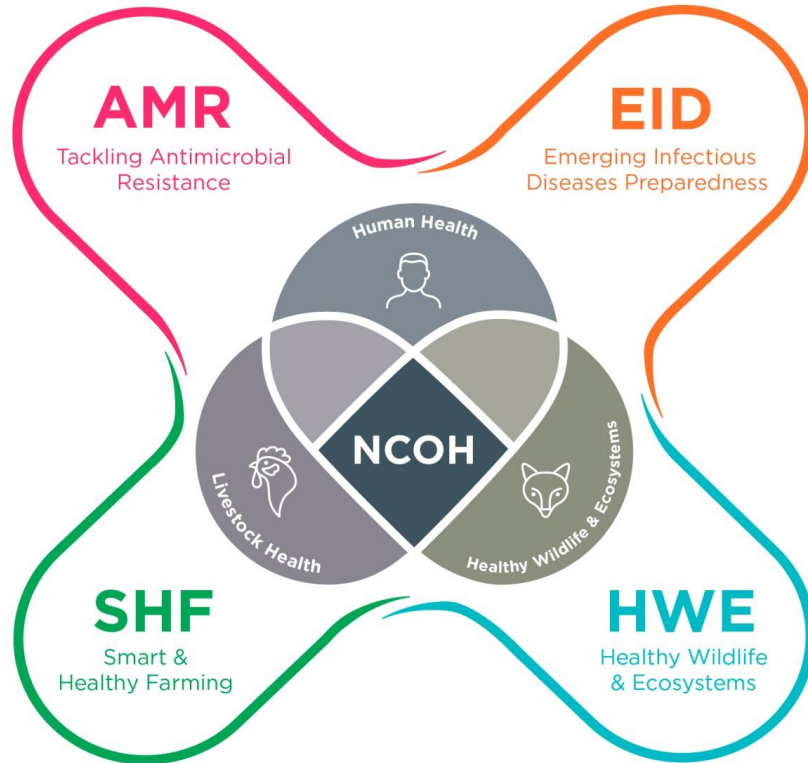
# Netherlands as research biotope and high-risk area



- Biodiversity program
- Wetlands
- Major bird sanctuaries
  
- Top level research in many areas
- Highly segmented, in part due to funding



# Solutions to Global One Health Challenges



Human medicine  
Veterinary medicine  
Environmental and Exposure Sciences

Microbiology  
Virology  
Ecology  
Molecular epidemiology  
Mathematical modelling



# NCOH PhD programme

All PhD projects grouped in 3 overarching  
Research Topics:

Research Topic  
**Complex systems &  
Metagenomics**

Research Topic  
**Disease intervention  
strategies**

Research Topic  
**Vector-borne diseases**

PhD projects from:

- NCOH metagenomics calls 2017
- NCOH complex systems call 2018 with external funding from:
  - One Health EJP 2018-2019
  - NWA project 2019
  - Topsector LS&H prophylactic vaccines and preventive strategies
  - Regiodeal Utrecht & Gelderland circular farming and healthy food

**Combined >30 PhD projects with > 60 NCOH PhD students**



# NCOH Investments & stakeholders

NCOH brings together Dutch academic research institutes active in various complementary fields of One Health research together with other leading parties. NCOH collaborates with organisations in both the private and public sectors, particularly Dutch universities, university medical centers, the Dutch Research Council (NWO), the Royal Netherlands Academy of Arts and Sciences (KNAW), and the Dutch National Institute for Public Health and the Environment (RIVM). Furthermore, NCOH is Partner and provides strategic and organisational embedding for the Netherlands Antibiotic Development Platform (NADP), which fosters public-private collaborations in the development of new antibiotics and alternatives.

In the broader European context, NCOH's Partners are also part of the One Health European Joint Program (EJP) through Wageningen Bioveterinary Research and RIVM. This brings nutritionists, doctors, veterinarians, and environmental scientists together to work on zoonotic diseases and antimicrobial resistance.

## Partner Contribution for NCOH PhD research programme

NCOH's Partners signed a Consortium Agreement, jointly committing to €11 million in the first 5 years for novel interdisciplinary PhD projects.

## Top Sector Life Sciences & Health - NCOH One Health projects

€1.9 million through public-private partnerships.

## One Health EJP

5 million from European funds.

## One Health PACT

€10 million through NWO as part of the Dutch Research Agenda (NWA).

## Region deal Foodvalley

€14.6 million through the provinces of Utrecht and Gelderland, Waterschap Vallei en Veluwe, VNO-NCW midden, and the agricultural organisation LTO Noord.

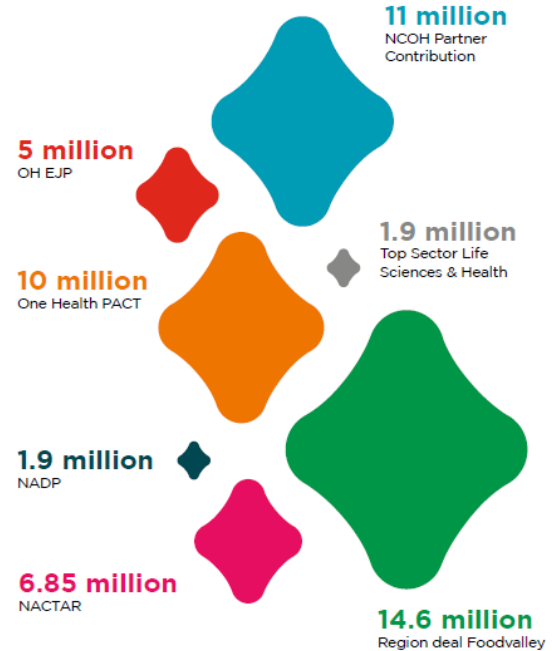
## NADP

€1.9 million through the Ministry of Health, Welfare and Sport.

## NADP-NACTAR programme (Novel Antibacterial Compounds and Therapies Antagonizing Resistance)

€6.85 million from the Ministry of Health, Welfare and Sport, NWO's Applied and Engineering Sciences Domain, and Holland Chemistry.

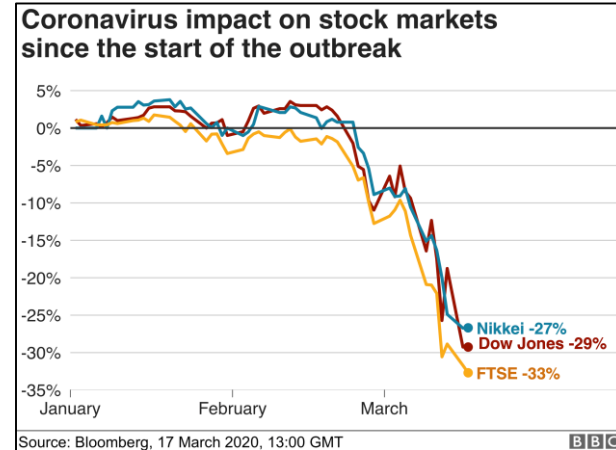
## Investments (in €)





# ANNUAL SCIENTIFIC MEETING 2020

## From Wildlife Market to Wild Financial Market



Reflecting and looking forward  
Lessons for NCOH?



# Programme

14:00	<b>Opening</b> by <a href="#">Prof. Marion Koopmans</a> (Erasmus MC) & <a href="#">Prof. Heiman Wertheim</a> (Radboudumc) Introduction about the WHY behind the choice of the theme
14:10	<b>Wildlife Markets, can they stay open?</b> <a href="#">Prof. Thijs Kuiken</a> , Erasmus MC
14:30	<b>Health Impact – Working with Uncertainty</b> Listening to early signals for better preparedness <a href="#">Bart Haagmans PhD</a> , Erasmus MC, department Viroscience Working with uncertainty <a href="#">Quirine Ten Bosch PhD</a> , Wageningen University & Research
15:10	<b>Two perspectives on Public Health in Action</b> <b>Public health perspective</b> <a href="#">Prof. Aura Timen</a> , RIVM <b>Behavioral science perspective</b> <a href="#">Prof. Marijn de Bruin</a> , Head scientific research (temporary), corona behavioural unit, RIVM
15:50	<b>Break</b> – Energizer – Patrick van Luijk – Former Olympian
16:00	<b>Economic impact</b> <b>No economic recovery without a controlled health situation</b> <a href="#">Xander Koolman PhD</a> , VU Amsterdam
16:20	<b>Plenary discussion</b> Do we need a new scientific approach? What does the future disease X research agenda look like?
17:00	End

