
Trans-Domain COST Action TD1404 (NEOH)

Workshop on
evaluation of data and information sharing
in One Health initiatives

Faculty of Health and Medical Science, University of Copenhagen, Denmark

www.healthsciences.ku.dk



20th and 21st April 2016

Learning and sharing are parts of successful One Health initiatives and pre-requisites for higher level One Health outcomes such as optimal use of health resources.

This workshop aims to contribute to the framework and protocol for evaluation of One Health initiatives that is being developed by the Network for Evaluation of One Health (NEOH) by providing:

- 1) an overview of existing knowledge and methods on opportunities and challenges in data and information use, sharing, and examples of systems in which sharing is already underway
- 2) an introduction to evaluation methods for data and information sharing mechanisms
- 3) a discussion forum on how to further develop evaluation methods on data and information sharing methods and mechanisms in One Health research, governance and surveillance settings including quantitative measures describing barriers and accessibility of data within a community.

The workshop is relevant for all scientists involved in the development of data and information sharing methods or platforms to foster learning and knowledge exchange, and other stakeholders with an interest in how their data or information are being or may be used for sustainable human, animal and/or environmental health. It will focus thinking on the value of data sharing platforms and networks.

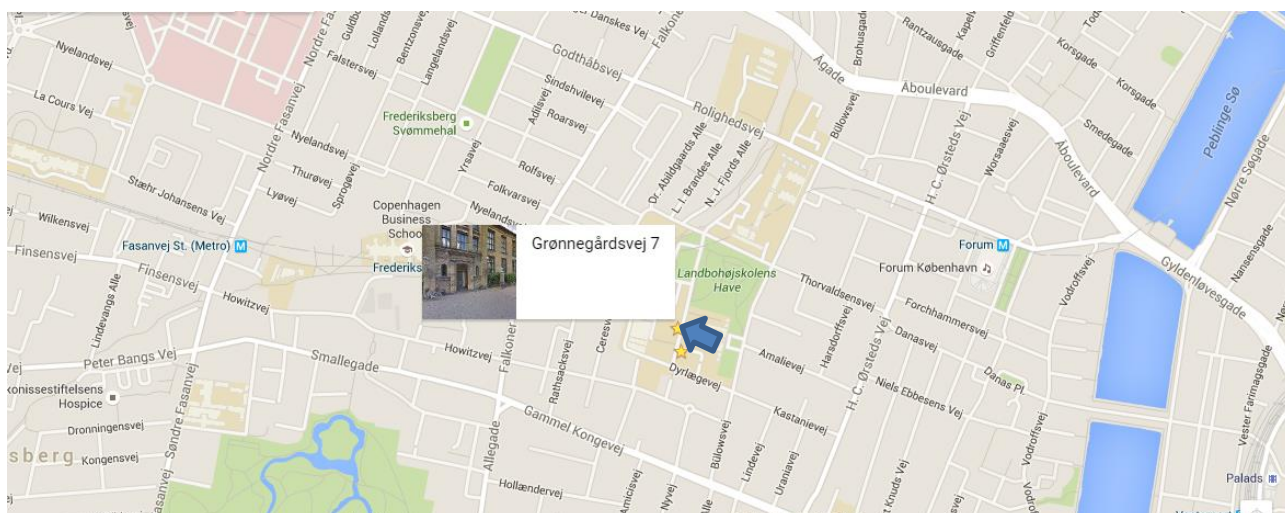
- **Local organisers:**
 - **Prof. Liza Rosenbaum Nielsen:** Department of Large Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen: liza@sund.ku.dk
Mobile phone: +45 22 61 70 42
 - **Prof. Hans Houe:** Department of Large Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen: hoe@sund.ku.dk
- **Other NEOH organisers:** Dr Barbara Häslér (bhaesler@rvc.ac.uk), Mrs Houda Bennani (hbennani@rvc.ac.uk)
- **Number of people expected:**
 - With re-imbursement: 30
 - Without re-imbursement: 15
(no participation fee applies, but participants need to cover their own costs)
 - Total: 45
- **Financial provisions for re-imbursement:** The standard meeting re-imbursement rules apply as defined in [the Vademecum](#) with an accommodation flat rate of EUR 120 and a meal allowance of EUR 20. It is recommended by the management committee that the flights from/to the participant's country of residence to/from Copenhagen are a maximum of EUR 500. Any return journeys that exceed this amount must be approved by the Grant Holder before booking (bhaesler@rvc.ac.uk).
- **Criteria for re-imbursement:**
 - All NEOH-COST country members have the right to be reimbursed if they comply with the COST meeting re-imbursement guidelines stipulated in the Vademecum. Should more than 30 NEOH-members apply for participation with reimbursement the organisers will select 25 based on the relevance of their contributions to the development of the work in working groups 1 and 2 of NEOH and taking into account COST criteria on gender, inclusiveness, and early career investigator status.
 - Other interested participants: The selection of these participants eligible for re-imbursement according to the Vademecum will be done by the workshop organisation committee.

Maps



The meeting will take place in:

Auditorium A1.04.01
Frederiksberg Campus , UCPH
Grønnegårdsvej 7
1870 Frederiksberg C
Denmark



Suggested hotels:

CabInn Express, Danasvej 32, 1910 Frederiksberg C (~85 Euro per night)

<https://www.cabinn.com/en/hotel/cabinn-express-hotel>

Carlton Guldsmiden, Vesterbrogade 66, 1620 Copenhagen V, (~107 Euro per night)

<http://guldsmidenhotels.com/Carlton/Carlton-Copenhagen-Home.aspx>

Ascot Hotel, Studiestræde 61, 1554 Copenhagen (~112 Euro per night if prepurchased online)

<http://www.ascot-hotel.dk/>

Dinner on Wednesday 20 April @ 7 pm: 'Riz Raz' (large Mediterranean buffet restaurant),
St. Kannikestræde 19, 1169 Copenhagen K (Phone: +45 33 32 33 45)

Programme Wednesday, 20th of April 2016

Start Time	End Time	Time	Topic
8:30	9:00 AM	0:30	Registration
9:00 AM	9:30 AM	0:30	Characteristics of One Health defined by NEOH (Barbara Häslér, Grant holder, Royal Veterinary College, London, UK)
9:30 AM	10:15 AM	0:45	Hans Houe (Department of Large Animal Sciences, University of Copenhagen): Challenges and opportunities in using primary and secondary data from databases ~30 minutes talk + 15 minutes discussions
10:15 AM	10:45 AM	0:30	Coffee Break
10:45 AM	12:00 PM	1:15	Birgitte Borck Høg (National Food Institute, Technical University of Denmark): Methods and challenges in data and information sharing in the Danish Integrated Surveillance for Antimicrobials and Antimicrobial Resistance system (DANMAP) ~30 minutes talk Leonardo de Knecht (National Food Institute, Technical University of Denmark): Improving institutional memory on the use of data from VetSTAT for estimating antimicrobial exposure risks An autonomous, cross-institutional young scientist effort ~30 minutes + 15 minutes discussions
12:00 PM	1:00 PM	1:00	Lunch for all registered meeting participants
1:00 PM	2:30 PM	1:30	James Thomas, Director (MEASURE evaluation project, Carolina Population Center, UNC Gillings School of Global Public Health, Chapel Hill, NC, USA) Supporting organizational learning, strengthening health systems, and improving program effectiveness so that people live healthier lives. Experiences from the MEASURE evaluation programme.
2:30 PM	3:00 PM	0:30	Coffee Break
3:00 PM	5:00 PM	2:00	Group discussions on the development of One Health framework and metrics for evaluation of data, information and knowledge sharing
7:00 PM			Workshop dinner at own expense (20 Euro/150 DKK must be paid to Liza at arrival to the workshop for people participating in the dinner – can be reimbursed through eCOST by people eligible for reimbursement) 'Riz Raz', St. Kannikestræde 19, 1169 Copenhagen K (Phone: +45 33 32 33 45) (City Centre)

Thursday, 21st of April 2016

Start Time	End Time	Time	Topic
9:00 AM	10:00 AM	1:00	Discussions of group work and suggestions
10:00 AM	10:30 AM	0:30	K. Marie McIntyre (University of Liverpool, UK) Prepare, Predict, Prevent: Creating Objectivity in Infectious Disease Risk Assessment using Big Data Approaches
10:30 AM	11:00 AM	0:30	Coffee break
11:00 AM	11:30 PM	0:30	Maria Vang Johansen (Department of Disease Biology, University of Copenhagen, DK) Evaluation of learning outcome in Tanzania when using an online learning platform ('The Vicious Worm') created for information sharing and learning about cysticercosis in developing countries
11:30 AM	12:00 PM	0:30	Discussions of the usefulness, questions and potential applications in the NEOH framework and handbook writing
12:00 PM	1:00 PM	1:00	Lunch
13:00 AM	14:30 AM	1:30	Small groups writing on different parts of NEOH handbook
14:30 PM	15:00 PM	0:30	Decisions on next steps and wrap-up
			Departure

Practical information

Information for visiting Copenhagen

<http://www.visitcopenhagen.com/copenhagen-tourist>

Copenhagen International Airport

<https://www.cph.dk/en/>

The metro leaves from just across the entry/exit hall in Terminal 3 and goes to the city centre in approximately 20 minutes (including to Kongens Nytorv St., Nørreport St., Forum St., Frederiksberg St.)

Note the metro does NOT go to the Central Station (Københavns Hovedbanegård).

Also the regional trains from Copenhagen Airport to the main Central Station (København H) leave from a platform just outside the terminal exit.

Tickets for both the metro and the regional trains can be purchased at the ticket booth or ticket machines at ground level close to the platforms.

Taxis are waiting outside the exit terminal (go to the right, just when you enter the arrival hall). A taxi trip to the Centre of Copenhagen is approximately 300 DKK (~40 Euro) and they all take common international credit cards (VISA/Mastercard) or cash. Please be aware of the taxi reimbursement rules stated in the COST Vademecum.

Events and eating in Copenhagen

<http://www.aok.dk/english>

The University of Copenhagen

<http://www.ku.dk/english>

[One Health International Summer Course](#)

Speaker information



James Thomas has more than 35 years of experience working in the field of public health. He earned a Bachelor of Science in Nutrition from the University of California, Davis, and then masters and doctoral degrees in epidemiology from UCLA. Over the course of his career, Dr. Thomas has been a nutritionist, program implementer, professor, researcher, technical advisor, manager, policy advisor, and founder of two nonprofit organizations.

He has lived in the Democratic Republic of the Congo and Kenya, and has worked in more than two dozen countries of Africa and Asia. As a professor of epidemiology at the University of North Carolina, his principal interests are in the social epidemiology of HIV/AIDS, and public health ethics and human rights. In addition to his scholarly articles, he was an editor and author of a textbook on epidemiologic methods in the study of infectious diseases, and principal author of the American Public Health Association's Code of Ethics.

As Director of the USAID funded MEASURE Evaluation Project, Dr. Thomas is leading a global team that is advancing the capacity of countries and communities to collect and use data to guide public health policies and programs. Dr. Thomas brings to this effort a particular interest in complexity science and systems thinking. Two examples from his own work are organizational network analysis to improve coordination of disease control efforts, and the evaluation of structural interventions.



Hans Houe, DVM, PhD, DVSc, Professor of Veterinary Epidemiology at the Department of Large Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen. Head of Section for Animal Welfare and Disease Control. Dipl. of European College of Veterinary Public Health (ECVPH); Dipl. of European College of Bovine Health Management (ECBHM).

Hans Houe has worked with many aspects of veterinary medicine. He has clinical experience from employment in veterinary practice and as associate professor in internal medicine. His research initially focussed on bovine virus diarrhoea where his studies revealed the occurrence and importance of the infection in Danish Cattle herds and led to test strategies that could be used to eradicate the infection. Thereafter he spent a number of years as Head of 'Research Centre for the Management of Animal Production and Health', which had the overall aim of integrating different research disciplines to improve animal health and welfare. Here his research field and network was expanded to also include production diseases, animal health economics and animal welfare.

After his appointment as professor in Veterinary Epidemiology in, 2001 and later also as head of Section for Animal Welfare and Disease Control, his research and research leadership has focussed on integrating research disciplines with the aim of disease control as well as assessment and improvement of welfare in animal populations. He has participated in many national and international research projects as well as advisory and expert committees. As chairman for the Ministry of Justice's working group for making legislation for cattle, he used his trans-disciplinary competences to balance consideration for animal welfare, economics and the practical solutions in the legislation.

He has published around 350 professional articles, edited and written books on veterinary epidemiology and disease control. In his interdisciplinary research approaches he has throughout his career used data from many different sources (laboratory, clinics, registers etc.), which has provided him with big experiences in assessing the relevance and quality of using and sharing data.



Birgitte Borck Høg, DVM, PH.D. Since 2002 she has been employed at the Danish Zoonosis Centre, National Food Institute, Technical University of Denmark, working on topics related to monitoring and surveillance programmes of zoonotic agents, both at the national level and in a European context. For a number of years she was project manager/member of the group assisting EFSA in the preparation of the European Union Summary Report on Zoonoses, Zoonotic agents and Foodborne Outbreaks. She has been the Danish representative in the Scientific Network for Zoonoses Monitoring Data since

2004 and participated in a number of EFSA's working groups on topics concerning monitoring of zoonotic agent, especially *Salmonella* and *Campylobacter*. She has been involved as tutor and course coordinator for SANCO courses concerning integrated surveillance and investigation of food-borne outbreaks (2007-2016), part of the EU Commission training initiative "Better Training for Safer Food". She has contributed to and served as Deputy Work Package leader for MedVetNet Work Package 24: Comparison of *Campylobacter* risk assessments – towards a European consensus model and as task leader in the CamCon project; *Campylobacter* control - novel approaches in primary poultry production; a project funded by the European Community's Seventh Framework Programme (2007-2013). For the past six years she has been involved in the production of the annual DANMAP report (Use of antimicrobial agents and occurrence of antimicrobial resistance in bacteria from food animals, foods and humans in Denmark) and has been among the editors of the report for the since 2012.



Leonardo de Knecht is a veterinarian (2001 - Universidade Federal de Minas Gerais, Brazil) with a MSc in Epidemiology (2003) from the same University. From 2005-2008, he has worked in the Field Epidemiology Training Program in the Brazilian Ministry of Health, doing outbreak investigations, data analysis and teaching epidemiology and biostatistics. Since September 2008, Leonardo has been working at DTU Food, doing data analyses for EFSA reports, the Annual Report on Zoonoses in Denmark and DANMAP, and involved with international activities such as WHO Global Foodborne Pathogens Network, FERG, Better Training Safer Food and EDES. After obtaining his PhD in 2013, with a *Salmonella* source attribution model using

data from 24 European countries, Leonardo has been part of 'Veterinærforlig II', a project which aims to develop a predictive model for the development of antimicrobial resistance in pig herds, and has joined, more recently, a study group on the use of Vetstat data for research. Other activities include teaching Risk Analysis, with a focus on Quantitative Microbiological Risk Assessment and Risk Communication.



K. Marie McIntyre is a Research Associate Epidemiologist in the Department of Epidemiology and Population Health, Institute of Infection and Global Health, at the University of Liverpool. With a quantitative background, she graduated with a BSc in Environmental Sciences from the University of East Anglia, and a PhD in Wildlife Epidemiology from Stirling University. Following this she worked as a staff scientist at the then Institute for Animal Health studying Transmissible Spongiform Encephalopathies, and an Epidemiology and Surveillance Scientist at the then Health Protection Agency, followed by undertaking post-doctoral work on numerous multi-disciplinary and multinational research projects at Liverpool.

Her current research interests include human, domestic animal and wildlife epidemiology, particularly using eHealth methodologies to aid the identification and collation of information on infectious diseases such as zoonotic and emerging infections in One Health approaches (for example Marie was co-developer of the ENHanCED Infectious Diseases (EID2) database, www.zoonosis.ac.uk/eid2); quantifying the impacts of infectious diseases from a One Health perspective; modelling the spatial distribution of diseases using presence-only data; examining potential drivers of human and animal disease including the characteristics for emergence and further transmission; and studying the epidemiology of certain diseases for example gastrointestinal diseases including Norovirus, scrapie, atypical scrapie and Bluetongue virus. Beyond the University, Marie is secretary for the UK North West Zoonoses Group and a Committee Member for the Society for Veterinary Epidemiology and Preventive Medicine.



Maria Vang Johansen, DVM, PhD is Professor in Parasitic Zoonoses at the Department of Veterinary Disease Biology, Faculty of Health and Medical Sciences, University of Copenhagen. For more than 25 years Maria V. Johansen has been coordinating and participating in research projects addressing epidemiology and One Health approaches to control of neglected helminth zoonoses (e.g. schistosomiasis, cysticercosis, foodborne zoonotic trematodes, opisthorchiasis and clonorchiasis). The research has been conducted in Africa, Asia and Europe. She is first or co-author on more than 120 peer reviewed

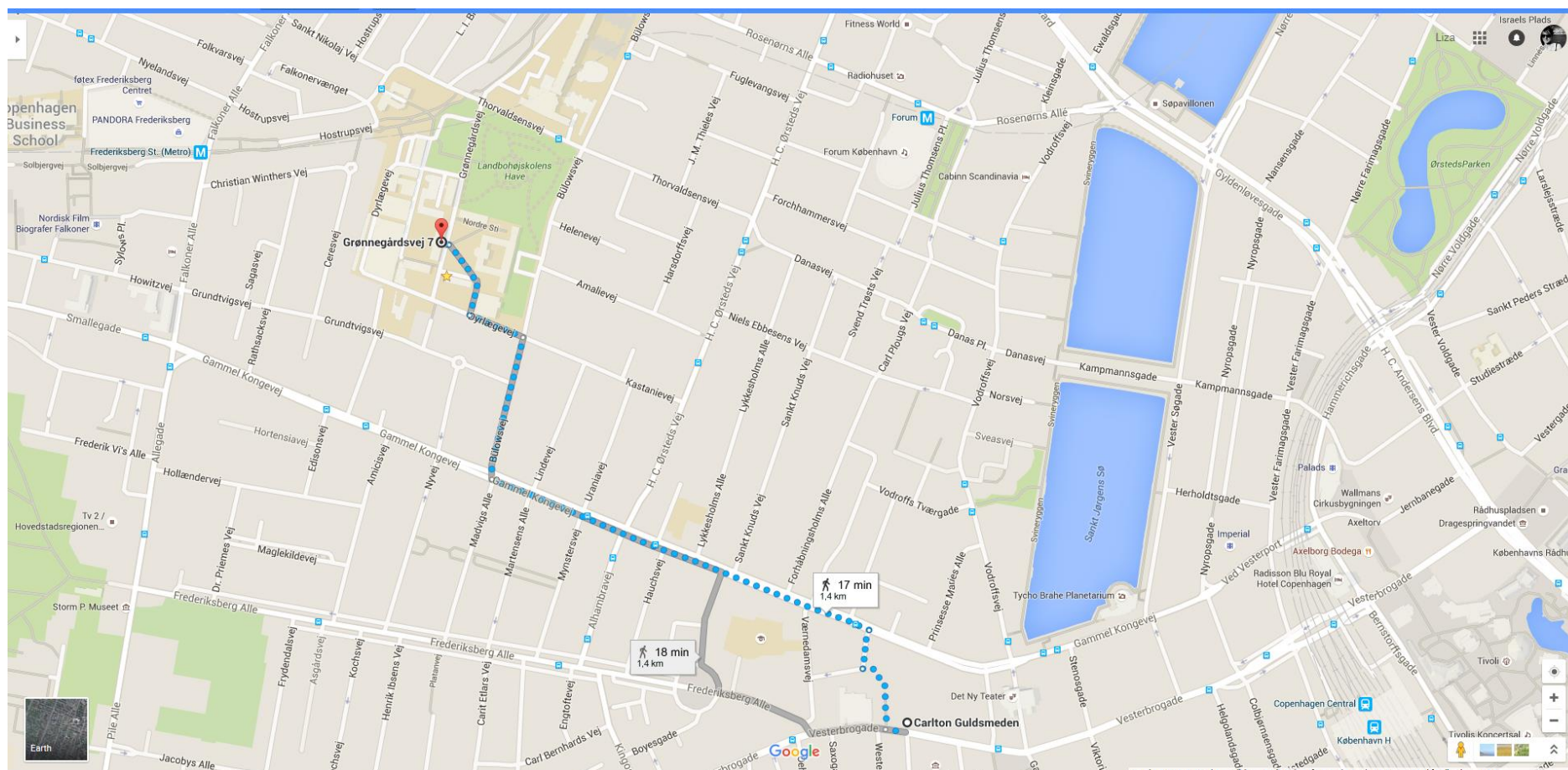
publications, an equal number of conference presentations and 12 text books. Maria V. Johansen has extended course planning and teaching experiences at all levels (high school students, district health workers, MSc and PhD students, post-graduates and technicians) in Denmark, Africa and Asia. The teaching has addressed all aspects of 'helminthology' and issues like 'experimental animal use', 'research theory', 'research ethics', 'cross-disciplinary approaches', 'logical thinking' and linking research and development. Concerning broader research activities, Maria is a Diplomate of the European Veterinary Parasitology College (DiplEVPC), she is head of the WHO/FAO Collaborating Center of Neglected Parasitic Zoonoses, has been member the Swedish Research Council FORMAS' evaluation panel on Food and Animal Welfare 2010- 2014, member of Expert evaluation panel at Institute for Tropical Medicine, Antwerp, Belgium (2014), and Member of the Danish Committee for Animal Experiments Inspectorate. In the past she has been the President of the Danish Society of Parasitology and secretary of the Scandinavian Society for Parasitology. Since 2006, Maria V. Johansen has been Treasurer of the World Federation of Parasitologist.



Barbara Häsler, grant holder in NEOH, graduated in veterinary medicine from the University of Bern in 2002 and then did a doctoral thesis at the Swiss Federal Veterinary Office on the epidemiology and economics of neosporosis control. After working as a border veterinary inspector, she joined the Royal Veterinary College, where she did a PhD on the economics of animal health surveillance while simultaneously studying for a Certificate of Higher Education in Economics. Since 2012 she has been working (first as a Post-Doctoral Fellow and now as a lecturer in Agrihealth) for the Leverhulme Centre for Integrative Research on Agriculture and Health (LCIRAH), Royal Veterinary College.

She has a strong interest in applying One Health or Ecohealth approaches to better understand food systems and how changes in those impact on food safety and food security and to improve the wellbeing of people and animals through better resource allocation.

To the workshop venue from Carlton Guldsmiden Hotel, Vesterbrogade 66 to the workshop venue Grønnegårdsvej 7, Frederiksberg



To the restaurant 'Riz Raz' St. Kannikestræde 19 in City from Carlton Guldsmeden Hotel, Vesterbrogade 66, 1620 Copenhagen V

