

REPORT

Belgian One Health Network

Launching Event

SCIENSANO,
TERVUREN

5 November 2019



Biodiversity.be





Introduction

We present here a summary report informing you about the outcomes of the **Belgian One Health Network Launching event**.

In this brief report you will find the program of the event, the presentations with key messages, overview of participants, results from the breakout groups and next steps.

The organisation of the launching event is very grateful for financial support from Sciensano and the Federal Public Service Public Health, Food Chain Safety and Environment.



Véronique Renault



Maarten Vanhove



Hans Keune



Pierre Huybrechts



Séverine Thys



Nicolas
Antoine-Moussiaux



Martine Delanoy



Frank Koenen

Programme

13.00 - Registration

13.30 - Plenary

13.30 - Welcome by Myriam Sneyers, director general of Sciensano and Tom Auwers, Secretary General - Federal Public Service Public Health, Food Chain Safety and Environment

13.50 - Presentation of the network (Frank Koenen & Hans Keune) One Health networking definition: results survey

14.00 - Keynote lecture, *Evaluating One Health – An Integrated Approach* (Simon Rüegg, Senior Researcher at University of Zurich, Section of Epidemiology)

14.30 - Presentation of organisations working in a One Health perspective in Belgium

- UGent, Sarah Gabriël
- ULiège, Nicolas Antoine-Moussiaux
- UAntwerpen - UHasselt, Hans Keune & Michelle Plusquin
- Sciensano, OneHealth EJP, Hein Imberechts
- DZG / VSF, Julia Butillon
- Infirmières des rues, Pierre Ryckmans
- Federal Public Service Public Health, Food Chain Safety and Environment, Martine Delanoy

15.00 - Coffee break

15.15 - Parallel Break out sessions:

- What are important topical issues to work on ?
- What do you expect from the network ?
- What can you do for the network ?

16.00 - Plenary reporting break out - Network name voting

16.30 - Network and Drink

Presentations: key messages



Myriam Sneyers (director general of Sciensano):
The importance of the One Health approach in Sciensano



Tom Auwers (Secretary General - Federal Public Service Public Health, Food Chain Safety and Environment):
The One World One Health approach of the Federal Public Service Public Health, Food Chain Safety and Environment



Hans Keune (Belgian Biodiversity Platform) & **Frank Koenen** (Sciensano): Presentation of the network

- Why this initiative?
- One Health: Increased attention, science, policy and society; Join forces in Belgium
- Definition of One Health; Who are you; Who are we? Website & earlier activities; European background;
- One Health networking definition; Results survey



Simon Rüegg, University of Zurich, Section of Epidemiology: Evaluating One Health – An Integrated Approach

Ghent University

One Health in research



Sarah Gabriel (UGent): One Health in research

- More healthy and productive lives through multidisciplinary research
- Capacity building and translation of findings into policy
- Food/waterborne zoonotic parasitic diseases
- Antimicrobial resistance
- Malaria prevention



Nature based One Health Benefits



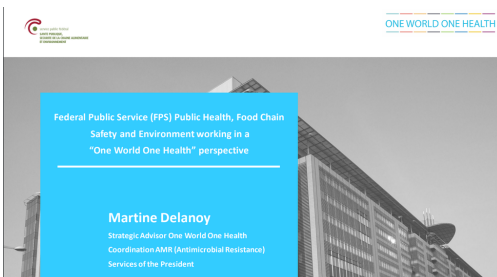
Hans Keune
(Chair Care & the Natural Living Environment University of Antwerp)
Michelle Plusquin
(Center for Environmental Sciences, Hasselt University)

Launching event – One Health Belgium Network Sciensano, 5 November 2019



One Health Belgium Network
Launching event, 5th November 2019

DIERENARTSEN VETERINAIRES
ZONDER GRENZEN
BELGIUM



Martine Delanoy
Strategic Advisor One World One Health
Coordination AMR (Antimicrobial Resistance)
Services of the President

La réinsertion par l'hygiène et la valorisation des talents



- Hygiène; proactivité; ressources personnelles
- Suivi et accompagnement: social et médical
- Accompagnateur, intermédiaire, coordinateur des soins et de l'intégration

Nicolas Antoine-Moussiaux (ULiège): One Health in teaching and research

- EpiOne Network: Stimulating interdisciplinarity in teaching and research in ULiege
- One Health and interdisciplinarity in health: master programs and university certificates
- System thinking across faculties through interconnected PhD programs

Hans Keune & Michelle Plusquin (UAntwerpen – UHasselt): Nature based One Health Benefits research

- Nature based stress treatment/prevention
- Greening elderly care center environments
- Green school playgrounds

Hein Imberechts (Sciensano): OneHealth EJP a European network

- Education and training activities
- Support the European network of public mission organisations with reference laboratory functions on infectious diseases
- Improve prevention, detection and response in the fields of foodborne zoonoses, antimicrobial resistance and emerging infectious threats

Julia Butillon (DZG / VSF): Healthy animals, Healthy people

- Build the capacities of livestock-dependent communities
- Multiple concerns, multi-actors

Martine Delanoy (Federal Public Service Public Health, Food Chain Safety and Environment): policy makers working in a "One World One Health" perspective

- For an integrated approach to the health of humans, animals, plants and the environment
- A network organization to develop sustainable and efficient policies following a "One World One Health" approach
- Antimicrobial resistance (AMR); Social inequalities for health and environment; Global travel; Transition of health and food systems to respond to climate issues

Pierre Ryckmans (Infirmières des rues): Street carers

- Reintegration through hygiene and development of talents
- System change
- Together, let's end homelessness

Participants

136 people registered, with attendance of 105 participants, representing quite a diversity in terms of types of organizations (policy, science, non-governmental organization) and geographical representation (Federal, Flemish, Walloon, Brussels). For a full list of participants, see Appendix 1).



Name for the network

Several options for names of the network were presented:

- Belgian One Health network
- Belgian One World One Health network
- Belgian Diversity in Health(s) network
- Belgian One Diversity of Health network
- Belgian One Health Ecohealth chapter

The audience with great majority chose the following network name:

Belgian One Health Network



Results of the breakout groups

Here we present a summary synthesis of the outcomes of the very fruitful discussions during the breakout groups. In Appendix 2 (p.17) you will find a more detailed overview.

Topical issues to work on and network expectations



Specific topics listed based on each other area of interest:

These topics are probably not of interest for the whole network but the network could facilitate contacts between experts working on the same topics.

Bringing specialists together to better understand possible relations of a certain « problem » in different sectors.

The proposed topics could be grouped into the following categories:

- Health risks
- Health benefits
- Policy target (SDG's)
- Generic issues such as : social inequities & health, global trends, climate change,
- Deep systematic analysis: economic innovation, financial innovation: economic innovatory for SDG8 (from extractive growth to regenerative growth), financial innovation/ from scares-competitive towards common good oriented, Legal/policy: phase out extractive and upscale regenerative; global (SIMPOL)

Methodologies and tools / general One Health topics

- OH environmental data
- Transversality and multidisciplinary
- Gap analysis: mapping/inventory of what is going on and what is known in order to identify what is needed / what are the gaps.
- Emerging issues; sustainability, disease and health
- Decision support tools and methodologies
- System thinking



Results of the breakout groups

Platform for interaction and communication

- Structural organization: Tools to facilitate the networking and Infrastructure for collaboration on specific topics (IT, co-working, ...)
- Events: organize events, meetings, foster community

Bring people interested in One Health together, learn from each other and other research fields through events.

- Expert database: Platform for information on who does what, list of people interested by OH

Establish collaborations to tackle specific issue in an holistic point of view. A networking space to approach people with complementary skills for collaboration

- Projects map: case examples, to know on what topics others are working on in Belgium.

Communication and awareness raising through the network

To whom: academics, policy makers, decision makers, professionals of different sectors. Special focus to: children and students through education and capacity building

Proposed topics:

- The network: objectives, activities,
- One Health: Interrelationship between sectors, what is one health, added value,
- Sharing experience, expertise and knowledge
- Food of animal origin
- Specific researches and last studies
- Updates on: policy, funding schemes, conferences,...

Facilitate an easy exchange of information between “partners” in the network



Results of the breakout groups

Network and community challenge

Overview on OH network:

- Principles: open to all, community of likeminded people, stimulation for engagement, trust, be open on/talk about cultural differences
- Definition of priorities and key questions: (cfr topics list)
- Streamlining consent methodologies, values,
- Overview of the different aspects ...of for example a disease – human aspect – zoonotic aspect – economic – environmental.
- Funding and job opportunities, research of partners for project proposals
- Community involvement:
- Promoting inter- and transdisciplinarity: link between environment and health; climate and health; eco-behaviour, eco-consumption to health, socio-psychological aspects,...

To share a more global vision of health and of working that will inspire and bring together different working fields

Softening barriers and competition in order to encourage and facilitate action.

National & international focal point for One Health & knowledge:

- Lead to specific policy recommendations
- Scientific support
- Link with One Health initiatives in other countries.
- Exchange of knowledge/results between different countries.
- Knowledge management

Training platform

Advocacy:

- Bring interdisciplinarity and system thinking on the agenda of both administration and research, and education.
- Advocate insights : Working together in practice implementation
- Lobbying for OH approaches
- Strong leverage (health) for paradigm shift



Results of the breakout groups

What can you do for the network, added value of members



Active involvement in the network and network activities

- Be welcoming & open
- Update data for project mapping
- Brainstorming/ provide ideas out of the box
- Provide technical support or advice in my field of experience: contributions to working projects/ research proposals/ pilot studies/ ...
- Spreading information to our professional networks, being the ambassador of the network
- Join forces on ADVOCACY

Sharing

- Personal experiences and expertise: ideas, knowledge, practices, difficulties,...
- Data
- Infrastructures
- ...

Facilitate contact and collaboration

- Attend/organize meetings
- Host events at facilities/institute
- Organisations of matchmaking events between scientists working in one health
- Training people in nature-based programs.
- Organize training in production animals and public health.

Next steps

The coordination committee of the launching event proposes to focus on three main activities for 2020, building on the outcomes of the breakout groups:

1. Development/ improvement of a Belgian One Health expert database and One Health projects mapping
2. Organisation of the next workshop in 2020
3. Organisation of a survey on existing One Health knowledge and a One Health knowledge gap analysis

Appendix 1 - Overview of participants

Appendix 2 - Extensive overview of outcomes of the breakout groups

Appendix 1 - Overview of participants

First Name	Last Name	Organisation	Function
Fatimaezzahra	Amarir	Namur University	PhD Student
Nicolas	Antoine-Moussiaux	University of Liège	senior lecturer
Sven	Arnouts	Ghent University - PROVAXS	Business Development Manager
Etienne	Aulotte	Brussels Environment	Nature Plan Coordinator
Tom	Auwers	FOD Volksgezondheid	Voorzitter
Dirk	Avonts	Domus Medica	Editor in Chief of Huisarts Nu
Bart	Balis	DZG-VSF Belgium	Vice president
Cyril	Barbezange	Sciensano	scientist
Isabelle	Behaeghel	Sciensano	Coordination of Veterinary Activities
Julia	Boegaeva	Bessonova outdoor immersion school	Education designer, R&D
Geraldine	Boseret	Sciensano	Scientist
Claude	Bragard	UCLouvain - EFSA	President Earth&Life Institute - Chair Plant Health Panel
Julia	Butillon	Vétérinaires Sans Frontières Belgique	Institutional Partnership Officer
Mickaël	Cargnel	Sciensano	Scientist
Lucy	Caiteau	Sciensano	Scientist
Brigitte	Cay	Sciensano	Head of Service
Pieter-Jan	Ceyssens	Sciensano	One Health Focal Point
Valerie	Charavel	Botanic Garden Meise	Education
Rajib	Chowdhury	National Institute of Preventive and Social Medicine (NIPSOM)	Researcher
Claire	Collin	FPS Health	Attachée politique et monitoring climat
Rojan	Dahal	One Health Initiative for South Asia	One Health advocacy and Communication
Caroline	De Backer	Université de Liège	assistante
Myriam	De Bie	Agentschap Natuur en Bos	Expert
Annelaen	De Bonte	Blenders	project manager
Eva	De Clercq	Sciensano	Scientist
Nick	De Regge	Sciensano	Scientist, head unit vector-borne diseases
Bert	De Somviele	BOS+	Director
Lieselot	De Vos	beMedTech	Advisor
Ellen	Decaestecker	KU Leuven	professor
Eva	Decru	Experimental Poultry Center	Researcher
Martine	Delanoy	Federal Public Service Public Health, Food Chain Safety and Environment	One World One Health advisor
Charles	Denonne	SPF Santé	Attaché sénior relations internationales
Daniel	Desmecht	University of Liège	Head of Animal Pathology & Autopsies
Jeroen	Dewulf	Ghent University	professor
Katelijne	Dierick	Sciensano	Scientific Director ai
Hippolyte	Ditona Tsumbu	Université Kingo	Doctorant
Pierre	Duez	University of Mons	Professor
Yves	Dupont	Sciensano	Employe
Timmermans	Édouard	Vétérinaires Sans Frontières	expert programme
Gert	Everaert	Flanders Marine Institute (VLIZ)	Senior scientist Ocean & Human Health
Pedro	Faon	FOD Volksgezondheid	DIRECTEUR-GENERAAL
Koenen	Frank	Sciensano	One Health coordinator
Kato	Frederix	Van Hall Larenstein	Student
Sarah	Gabriël	Ghent University, Faculty of Veterinary Medicine	Head of Laboratory of foodborne parasitic zoonoses
Cristina	Garcia-Graells	Sciensano	Scientist
Benno	Geertsma	Natuurpunt	Policy Advisor
Pol	Gerits	FOD Volksgezondheid	Strategisch Adviseur DGGS
Els	Goossens	Boerenbond	Studiedienst

Naima	Hammami	Agentschap Zorg en Gezondheid	Arts infectieziektebestrijding
Marijke	Hendrickx	Sciensano	Head of service Mycology and Aerobiology
Alexander	Hooyberg	Flanders Marine Institute	PhD student
Benoit	Horion	FPS of Health	Head of unit Food policy
Cécile	Huard	Joint Community Commission	Nurse-public health surveillance
Jean	Hugé	ULB & UHasselt	Postdoc & Visiting Professor
Veronik	Hutse	Sciensano	Scientist
Pierre	Huybrechts	Belgian Biodiversity Platform	Science Communication Officer
Tine	Huyse	Royal Museum for Central Africa	senior scientist
Hein	Imberechts	Sciensano, the Belgian Institute for Health	Scientific Support Advisor, SEP
Marian	Jacobs	Sciensano	Project manager
Anne-Françoise	Jourdan	SPF Santé	gestion de projets
Harry César	Kayembe Ntumba	Université de Kinshasa/Université de Liège	PhD student
Hans	Keune	BBPF	Senior expert
Katriina	Kilpi	natureminded, BOS+	research/practice
Benedicte	Lambrecht	Sciensano	Avian Virology and immunology head
Sandrella	Lanjouw	UTRECHT University Medical Center- Julius Center	PhD Epidemiology of Zoonotic Diseases & the International Wildlife Trade
Marie	Lefevre	vétérinaires sans frontières belgium	vet, education officer
Miriam	Logeot	Federal Agency for Safety of the Food Chain	coordinator ASF
Mark	Looman	SPF Santé public - DG Environnement	Counsellor Multilateral and Strategic Affairs
Trybou	Maarten	FOD Gezondheid	Pesticides&Fertilisers
Kitty	Maassen	RIVM	Head of department Animal & Vector
Joachim	Mariën	Institute of Tropical Medicine	Postdoc researcher
An	Martel	Ghent university	Prof
Barry	McMahon	University College Dublin, Ireland	Participant
Koen	Mintiens	Medanex Consulting	International Animal Health & Welfare Consultant
Ines	Mogami	RIVM - Rijksinstituut voor Volksgezondheid en Milieu	Scientific Researcher
Marina	Mukovnikova	Sciensano	klinisch bioloog
Victor	Ndadi Nkuembe	ULiège - UNIKIN	Doctorant
Diem	Nguyen	Sciensano	Scientist
Gaëlle	Nicolas	Avia-GIS	Modelling epidemiologist
Ann	Packeu	Sciensano	Wetenschappelijk medewerker
Frank	Pasmans	UGent	Full professor
Kerkhofs	Pierre	SPT Santé	DG Environnement
Frank	Polders	Aarde Oase	Beheerder
mr. Yannick G.J.	Pots, LLM LLM	TransDisciplinary Medicine	Cand. TransDisciplinary PhD
Vitalija	Povilaityte Petri	Université Libre de Bruxelles	Researcher
Paul	Quataert	paul.quataert@ilvo.vlaanderen.be	Biostatistician
Véronique	Renault	Liege University	Assistant / PhD student
Cristina	Romanelli	Secretariat of the Convention on Biological Diversity	WHO-CBD Interagency Liaison
Marta	Romano	Sciensano	Scientist
Pierre	Ryckmans	Infirmiers de rue	Coordinator
Claude	Saegerman	Univeristé de Liège	Professeur ordinaire
Hamid	Sahibi	Insitut Agronomique et Vétérinaire Hassan II	Professeur de Parasitologie et Maladies Zoonotiques
Shivanand	Savatagi	University of Transdisciplinary health Sciences- Bengaluru	PhD scholar
Esther	Schenk	Logo Mechelen	stafmedewerker
An	Schoonjans	Sciensano	Head unit environment and biosafety
François	Serneels	Carah/Condorcet	responsable qualité/environnement; enseignant
Lisa	Slachmuylders	Mylan	Medical Advisor

Myriam	SNEYERS	Sciensano	Algemene Directeur a.i.
Anne	Snick	SAPIRR	independent researcher & pracademic
Sophie	Sokolowski	SPF Santé	Coördinatrice Thématique Inégalités sociales de santé
Pierre M.	Stassart	Université de Liège, SEED www.seed.ulg.ac.be	Professeur
Mieke	Steensels	Sciensano	Head of AI/ND national reference laboratory
Vanessa	Suin	Sciensano	Scientist
Anne	Swaluë	SPF Santé	Attachée Relations Internationales
Isabelle	Thomas	Sciensano	responsable National reference centre Influenza
Francois	Thoreau	University of Liege	Postdoctoral fellow (political science)
Séverine	Thys	None for the moment	Anthropologist Dr. in Veterinary Science
Ann	Tilman	Foresterra	Oprichtster
Edouard	Timmermans	Vétérinaires Sans Frontières	Program Expert
Daisy	Tysmans	Sciensano	Head of Communications
Karen	Van Campenhout	Departement Omgeving	teamverantwoordelijke omgeving & gezondheid
Dieter	Van cauteren	Sciensano	epidemiologist
Thierry	van den Berg	Sciensano	Directeur Scientifique
Katleen	Van den dries	CareerBoots	Wandelcoach
Wesley	Van Dessel	Sciensano	Scientific coordinator
Steven	Van Gucht	Sciensano	Head Viral Diseases - humans
Wannes	Van Hassel	Sciensano	Bursaal
Koenraad	Van Hoorde	Sciensano	Head of Service, Foodborne Pathogens
Michelle	Van Mulken	Maastricht University & private business: Wild Free	Public health researcher, nature coach & forest therapy guide
Olivier	Vandenberg	LHUB-ULB	
Nathalie	Vandeputte	Werfen	Business Development manager
Emilie	Vanderhulst	EU&UCONSULTING	EUaffairs&comm consultant
Karine	Vandermeiren	Sciensano	researcher
Tamara	Vandersmissen	DGZ Vlaanderen	varkensdierenarts
Bernard	Vanheusden	Hasselt University, Faculty of Law	Professor of Environmental Law
Maarten	Vanhove	Hasselt University	assistant professor
Sabine	Vanhuyse	ULB - Department of Geoscience, Environment and Society	Researcher
Lilo	Vanstallen	FAV	DG Laboratoria - Coördinator
Sophie	Vanwambeke	UCLouvain	Professor
Katie	Vermeersch	FAV	Expert
Peter	Vervoort	Department of Environment and Spatial Development Flanders	Researcher
Lieke	Vervoort	Sciensano	External Communication
Erwin	Wauters	Flanders research institute for agriculture, fisheries and food	Senior Researcher Agricultural Economics
Dieter	Willems	Regionaal Landschap Houtland vzw	Nature education & experience
Sofie	Willems	FOD VWL	NEHAP coördinator
Arthur	Wyns	World Health Organization	Climate change and health Program Manager

Appendix 2 - Extensive overview of outcomes of the breakout groups

Important topical issues & expectations network

One Health topics:

- **Health risks:**
 - Zoonoses
 - Viral zoonosis (in particular influenza virus)
 - Wildlife health – a.o. infections => zoonoses
 - AMR Monitoring use of antifungals and their effect on antifungal resistance
 - Emerging threats
 - Global threats (travel-related diseases)
 - Trade and infections
 - Prevention / Preparedness (pandemic)
- **Health benefits:**
 - How to develop/maintain urban nature in a way that improves human animal and plant health?
 - How to facilitate our connection with nature in order to improve our behaviour towards nature and other people?
- **Target groups:**
 - One Health interest pets
 - Perspective of the patient
- **Policy targets:**
 - SDG's
- **Generic issues:**
 - Social inequities & health / One Health inequity
 - Global trends
 - Migration
 - Climate change
 - Biodiversity
 - The interaction between environment and food/water safety
 - Interaction of agriculture and urbanization with Belgian surface water and safety
 - Outcome benefits for humans and the environment as result of animal health programmes.
 - Environment, milieu healthier
 - Impact of wildlife health on society
 - Impact marine environment

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- Deep systematic analysis: economic innovation, financial innovation
 - Economic innovatory for SDG8 (from extractive growth to regenerative growth)
 - Financial innovation/ from scares-competitive towards common good oriented
 - Legal/policy: fase out extractive and upscale regenerative; global (SIMPOL)
- Transversality; multidisciplinary, emerging issues; sustainability, disease and health
- OH environmental data
- **Clarify and communicate about:**
 - Food of animal origin
 - Research involving animal experiments

Methodologies/Tools:

- **Language**
- **Decision support:**
 - One Health multi criteria decision making process
 - Research on OH approaches efficiency, effectiveness in addressing different needs
- **Systems thinking**
 - Methodologies of systems thinking
 - Results that give information (holistic) to the society.
 - The guts to face uncertainty and unpredictability.
 - Bringing specialists together to better understand possible relations of a certain « problem » in different sectors.
- **Mapping:**
 - Mapping of what is going on OH
 - Gap analysis
 - Inventory
 - Evaluation what has been done, has to change
- **Inter- and Transdisciplinarity:**
 - Multidisciplinary approach
 - Public/private stakeholder engagement
 - To be involved in research as a practitioner and not as a scientist.
 - A healthy balance between academia – pragmatism.
 - Come out of the comfort zone.

Appendix 2 - Extensive overview of outcomes of the breakout groups

- **Platform:** for interaction and communication
 - Structural organization
 - Tools to facilitate the networking.
 - Support:
 - Infrastructure for collaboration on specific topics (IT, co-working, ...)
 - Events:
 - Organize events, meetings, foster community
 - Bring people interested in One Health together, learn from each other and other research fields through events.
 - Expert database:
 - Platform for information on who does what, list of people interested by OH
 - Find people of different areas of expertise to establish collaborations to tackle specific issue in an holistic point of view.
 - A networking space to approach people with complementary skills for collaboration
 - Projects map:
 - Case examples
 - To know on what topics others are working on in Belgium.
 - Training-platform
 - Streamlining consent methodologies, values,

Network/community challenges:

- **National & international focal point for One Health & knowledge:**
 - Lead to specific policy recommendations
 - Scientific support
 - Link with one health initiatives in other countries.
 - Exchange of knowledge/results between different countries.
 - Knowledge management
- **Advocacy:**
 - To share a more global vision of health and of working that will inspire and bring together different working fields
 - Strong leverage (health) for paradigm shift
 - Bring interdisciplinarity and system thinking on the agenda of both administration and research, and education.
 - Advocate insights
 - Lobbying for OH approaches

Appendix 2 - Extensive overview of outcomes of the breakout groups

- **Definition of One Health:**
 - Concept is too broad: people may not feel connected to the concept of OH. All types of expertise can fit in and the approach is not concerted; need for a common definition of what is OH and what is not.
 - The group did not find these topics too broad, but rather too narrow.
- **Overview: (cfr mapping)**
 - Importance to have an overview of the different aspects ...of for example a disease – human aspect – zoonotic aspect – economic – environmental.
- **Definition of priorities and key questions: (cfr topics list)**
- **Networking:**
 - Community of likeminded people
 - Stimulation for engagement
- **Funding opportunities**
 - Jobs opportunities
 - Develop joint research projects
- **Collaboration/interaction/interface:**
 - Collaboration (inter)national: the process of structural collaboration, development; network development (get together, common objectives)
 - Soft skills:
 - Open network
 - Trust between researchers, institutes, disciplines
 - Be open on/talk about cultural differences
 - Softening barriers and competition in order to encourage and facilitate action.
 - Inter-sectorial:
 - Improving collaboration across sectors
 - Very useful to learn from people specialized in another very specific aspect ...
 - Link animal and human health & environment in agricultural sector.
 - Interdisciplinary:
 - From a high level view I see research on same topics both on human and animals. But there is not much cooperation between them or exchange of results.
 - Translational research : learn from results from health research in different animal species.
 - Medical and vet humanities.

Appendix 2 - Extensive overview of outcomes of the breakout groups

- Transdisciplinary:
 - Interface Biodiversity-Wildlife-domestic animals-societal changes
 - Policy – science – citizen/society
 - Working together in practice implementation
 - Community involvement (how to involve all?)
- Inter-topical:
 - Link between environment and health; climate and health; eco-behaviour, eco-consumption to health
- **Communication/Awareness raising:**
 - The network:
 - Clear communication about network and goals
 - Why was the network created? For what purpose? To centralise all expertise?
 - Raising awareness (public, policy makers, scientists)
 - General public:
 - We should initially create awareness of what One Health is, and, through the network.
 - Raise answers about how everything is connected.
 - Communication (comprehensible for non-academics)
 - How are we going to communicate to the general public about more difficult issues.
 - Awareness ... Explain to Citizens the existence and importance of the different aspects ...
 - Raising awareness about the importance and interaction between humans and nature.
 - Communication ... to explain how all the different aspects are related together ...
 - Educate citizens about « One Health » and prevention, the way they can contribute to their own health, but also to the environmental health.

Appendix 2 - Extensive overview of outcomes of the breakout groups

- Bridge building:
 - More transversal communication between different « Groups ».
 - Be transparent on current hot topics and issues that need to be addressed in different fields
- **Education/Capacity building:**
 - Education ... Very important to sensitize, to motivate children and students
 - Recent way to work, train to learn people, create place & tools to elaborate one health thinking
- **Sharing:**
 - Experience, expertise and knowledge.
 - Exchange of ideas for implementing OH in an organization
 - Open science
 - Sharing of data in accessible and well organised/databases of monitoring/surveillance. Data access beyond own network
 - Share practical examples of good & bad practices
 - Updates about: Policy, Funding schemes, Conferences
 - Expanding objectives of current lab activities and lab researches
 - Facilitate an easy exchange of information between “partners” in the network

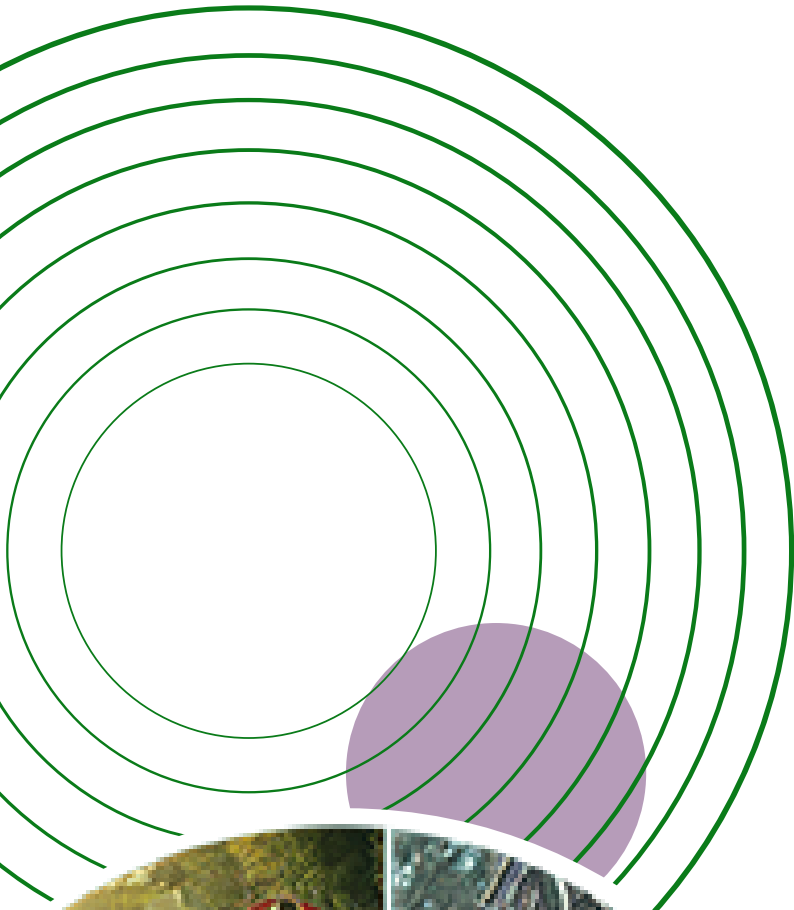
Appendix 2 - Extensive overview of outcomes of the breakout groups

What can you do for the network?

- **Soft skills:**
 - Be welcoming & open
- **Mapping:**
 - Problem framing
 - Ideas outside the box
 - Brainstorming sessions
- **Collaboration:**
 - Provide expertise
 - Contribution to working papers.
 - Contribute in the design of a OH research project proposal
 - One health platforms like Flanders Vaccine
 - Be involved in pilot studies
 - To facilitate contact and collaboration.
- **Policy advice:**
 - Advice to policy makers
- **Networking:**
 - Communication/advocacy:
 - Spreading information to our professional networks -> link bottom emails
 - Be ambassadors for the network
 - Improve the visibility of what are we doing.
 - Assist to report about the process and results of the network (com plan)
 - Join forces on ADVOCACY for complexity based common good oriented SDS; correlated responsible R&I (eg FWO-Belspo)
 - Structural capacity:
 - Leadership of working groups
 - Events:
 - Organisations of matchmaking events between scientists working in one health
 - Attend/organize meetings
 - Host events at facilities/institute

Appendix 2 - Extensive overview of outcomes of the breakout groups

- **Sharing:**
 - Ideas, knowledge, practice, difficulties
 - Offer infrastructure
 - Raise funds
 - Time
 - Helping each other
 - From my lab
 - On EU OH project
 - Wrt topical issues
 - Provide students
 - Data
 - Share field of experience (bact; good practice)
- **OH topics:**
 - More or less same array of topics
 - Attention for the South!
 - Expertise on neglected tropical diseases (NTDs) from the South coming to the North
 - Capacity building
 - Interventional perspectives
- **Awareness raising:**
 - Create awareness
 - Translation to public awareness, to policy makers incl. capacity building in the South.
- **Capacity building:**
 - Is it an option to have an external advisory committee, as way to feed us with experiences from the South?
 - Training people in nature-based programs.
 - Organize training in production animals and public health.
 - Provide technical support or advice in my field of experience



More information and contact:

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