

1st International Summer Course **Wageningen, 27th – 31st August 2018**

Towards a Global One Health: **an interdisciplinary lens to explore synergies, trade-offs** **and pathways for food systems transitions** *How does your research* *contribute to / interact with / impact* *Global One Health*

Organised by Wageningen Institute of Animal Sciences, Agreenium, France and the EJP One Health.

Aim of the course

The health of people, animals, plants and their environments are closely connected. This short course on Global One Health (GOH) aims to foster interdisciplinary thinking on the cutting edge of agricultural production, the food supply chain and nutritional and public health outcomes (human, plant and animal) in the framework of a food systems approach. Using an academically rooted food systems approach, synergies and trade-offs between scientific disciplines, such as social, environmental, microbiological, animal, plant, epidemiological disciplines, will be explored. Also the role of public and private stakeholders in the food system (farm to fork) will be discussed.



Course design

This one-week summer course consists of lectures, data practicals, group discussions and networking. The course will build on insights from social, biomedical, plant, animal, health and environmental sciences.

Participants

We welcome:

- Higher education and research: MSc, PhD-students, postdocs, researchers and teachers
- Professionals: research & development, advisors, consulting, technical, support and public policy people both from industry and research centres.

Programme topics

- Overview of food systems, processes and actors, by faculty, sectors and stakeholders; including cases illustrating processes and actors at the micro-, meso- and macro-level.
- Impacts on nutritional and public (human, plant and animal) health, social, environmental and economic sustainability.
- Debate with public and private stakeholders on global One Health. Balancing multiple sustainability outcomes in the social, ecologic, economic and health domain.
- Filling research gaps, advancing methodology, enabling research infrastructures, data stewardship

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How does your research contributes/interacts/impact to Global One Health

Course lecturers

- Prof. Pieter van 't Veer, WU (Nutrition, public health and sustainability)
- Prof. Wim van der Poel, WUR (Global One Health)
- Prof. Fred de Boer, WU (Wildlife Resource Ecology)
- Dr. Alexandre Caron, CIRAD (Health ecology Wildlife-Domestic animals interface)
- Dr. Aurelie Binot, CIRAD, Qualitative Research Principles and Methodology, Social Sciences)
- Prof. Jean-Francois GUEGAN INRA (Animal Health, One Health)
- Dr. Christian Ducrot, INRA, (Animal Health Microbiology, AMR)
- Prof. Mart de Jong, WU (Quantitative Veterinary Epidemiology)
- Prof. Henk Hogeveen WU (Animal Health management)
- Research and teaching staff from WUR, Agreenium and EJP One Health

Course organizers

- Prof Wim van der Poel, WUR www.wur.nl
- Dr Vincent Baron, Sylvie Vareille (DMV), Agreenium <https://en.agreenium.fr/>
- Prof. Roberto LaRagione, EJP One Health
- Support: Graduate School(s), Wageningen

Course fee

- WIAS PhD candidates: €100,-
- PE&RC, WASS, VLAG, WIMEK PhD candidates: €200,-
- Agreenium, EJP One Health PhD candidates: €400,-
- All other PhD candidates: €400,-
- Postdocs and other academic staff WUR/Agreenium/EJPOneHealth: €400,-
- External participants: €600,-

NB: fees include materials, lunches, tea, coffee and one course dinner

Registration and Information

- Link to website: <https://www.wur.nl/en/Education-Programmes/PhD-Programme/Graduate-Schools/Wageningen-Institute-of-Animal-Sciences/Show-1/Towards-a-Global-One-Health-an-interdisciplinary-lens-to-explore-synergies-trade-offs-and-pathways-for-food-systems-transitions.htm>
- For more information contact:
WIAS, wias@wur.nl , phone: +31 (0)317 483442/486120

Draft programme

Day	time	Topic	Activity	Lecturer
Monday 27 August 2018	09:00	Welcome		Wim van der Poel / Henk Hogeveen
	09:15	The field of Global One Health	Interactive lecture	Wim van der Poel
	10:15	Introduction Emerging infectious diseases	Interactive lecture	Wim van der Poel
	12:30	Lunch		
	13:30	Current status: meta-analysis on Global One Health	Lecture	Henk Hogeveen
	14:30	Instructions during course	Assignments	Henk Hogeveen
	15:00	Global One Health interdisciplinarity	Short assignment, Presentation of ideas and feedback and discussion	Henk Hogeveen, Wim van der Poel
	17:00	adjourn		
Tuesday, 28 August 2018	09:00	Sustainable food systems	Lecture	Pieter van t Veer
	10:00	Quantitative Epidemiology	Lecture	Mart de Jong

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Day	time	Topic	Activity	Lecturer
	11:00	Quantitative Epidemiology	Practical	Mart de Jong
	12:30	Lunch		
	13:30	Sociology	Lecture	To be decided
	14:30	Sustainable food systems	Practical	Pieter van t Veer
	15:30	Principles and methodology for the study of One Health issues	Practical	Aurelie Binot and Maria Koelen
	16:30	Work on interactive assignment	Instruction and Work on Interactive assignment	Group of lecturers
	17:30	adjourn		
Wednesday 29 August 2018	09:00	Health ecology at wildlife/domestic interfaces and beyond	Lecture	Alexandre Caron
	10:30	Ecological and epidemiological literacies in modern agriculture and agronomy	Lecture	Jean-François Guégan
	12:30	Lunch		
	13:30	Health ecology at wildlife/domestic interfaces and beyond	Practical	Alexandre Caron,
	14:30	Ecological and epidemiological literacies in modern agriculture and agronomy	Practical	Jean-François Guégan
	15:30	Interdisciplinary	Work on Interactive assignment	Group of lecturers
	17:00	adjourn		
Thursday 30 August 2018	09:00	Economics in Global One Health	Lecture	Henk Hogeveen
	10:00	Global One Health Economics	Practical	Henk Hogeveen
	11:00	Interdisciplinary	Assignments Question hour and discussion	Henk Hogeveen
	12:30	Lunch		
	13:30	Practical experience for an interdisciplinary approach of the antimicrobial issues on farms	Lecture	Christian Ducrot
	14:30	Interdisciplinary	Work on Interactive assignment	Group of lecturers
	15:30	Interdisciplinary	Work on Interactive assignment	Group of lecturers
	17:00	adjourn		
	18:30	Dinner Wageningen city		
Friday 31 August 2018	09:00	Evolution and biodiversity of pathogens in agriculture and agronomy	Lecture	Jean-François Guégan
	10:00	"GOH approach : a new pathway to sustainable development"	Lecture	Anabelle Daburon
	11:00	Entering Global One Health through a development perspective and bridge animal and human health disciplines	Lecture/Practical	Anabelle Daburon
	12:30	Lunch		
	13:30	Entering Global One Health through a development	Practical	Anabelle Daburon

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Day	time	Topic	Activity	Lecturer
		perspective and bridge animal and human health disciplines		
	14:30	Interdisciplinary	Interactive assignments presentations	All available lecturers
	15:30	Interdisciplinary	Interactive assignments presentations	All available lecturers
	17:00	adjourn		