

Towards a Global One Health

Summer Course, 27 – 31 August 2018, Wageningen

Presenters and abstracts

Wim H.M. van der Poel

To study health issues, we choose the wider Global One Health (GOH) approach, to emphasize the interdependence of human health under pressure of globalization with the health of animals, plants and sustainable ecosystems from a global perspective. This GOH approach uses multiple disciplines, both natural sciences and social sciences, to seek transnational solutions for improving the health of humans, animals and plants, and ultimately, the sustainability of the ecosystems of system Earth.



Jean-François Guégan

The courses discuss the many different examples of infectious disease outbreaks and their spatial spread, that are interconnected to Earth systems disruption/alteration and globalization events. The syllabus is organized around major session outlines (i) the concepts of community in ecology and epidemiology, (ii) the biodiversity of parasites/microbes, (iii) the exploration of consumers/predators, and (iv) how biodiversity affects parasite-host relationships. The objectives are: (i) clarify how parasites are part of that communities, (ii) define how changes in host communities affect parasite dynamics, (iii) discuss how changes in parasite communities affect hosts, and iv) recognize utility of ecological approach to health issues in agriculture and agronomy.



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Franshelis Garcia

Health inequality from a global perspective – Social determinants of the “double burden” of disease

Global health inequalities are differences health problems which afflict virtually all age groups, all populations and countries of all incomes. Low and middle -income countries are now facing a “ double-burden” of disease which is not common in high income countries. Not only biological factors, but also human behaviour and the social, natural and built environment typically play a role in the development and maintenance of these health problems. This lecture aims to explain global health inequalities using a social sciences perspective.



Anabelle Daburon

At the core of the GOH approach are the new diseases which continue to emerge, being major stumbling blocks to prosperity worldwide. As such, these diseases are an important measure of inequality in the world. In our session, a “development” lens will be adopted to tackle the GOH challenges. How to development strategies encompassing the interlinkages between human, animal and environmental health? Using examples, the linkage between socio-economic inequalities and health risks will be highlighted. Through a practical exercise, participants will be introduced to multistakeholder’s processes to tackle GOH approaches.

