

Online Advanced Course

ONE HEALTH APPROACH TO EARLY DETECTION AND RAPID RESPONSE IN THE FACE OF EMERGING AND RE-EMERGING ZOOSES

15-24 March 2021

Premeeting class 0 Checking the facilities with participants and lecturers

Class 0: Video organizers, Video technological tools, Programme presentation

Hour	Monday 15	Tuesday 16	Wednesday 17	Thursday 18	Friday 19	Monday 22	Tuesday 23	Wednesday 24
13:00-14:00	1.1.1.-1.1.4. One Health approach J.A. Oteo, G.J. Torres	1.3. Epidemiology studies under One Health perspective I. de Blas 1.4. Risk analysis: risk-based decision making S. Napp	Surveillance: Current trends 2.4.1. Disease surveillance: big data analysis, spatial analysis F. Dorea	2.4.4. Syndromic surveillance A. Alba	Contingency planning: <u>Case study: Crimean-Congo Hemorrhagic fever</u> 3.1.8.1. Presentation J.A. Oteo	Control measures: seeking integration 3.2.1. Movement restrictions 3.2.2. Biosecurity 3.2.3. Emergency vaccination G. Cáceres, CCAES	Control measures: seeking integration 3.2.5. Wildlife control strategies J. Figuerola	Control measures: seeking integration 3.2.7. <u>Case study: Leishmaniasis, an example of integrated control</u> I. de Blas, L. Hernández-Triana
14:00-15:00	1.1.5. Group exercise/debate Level of OH implementation/application in participants' countries M.A. Jiménez-Clavero, J.A. Oteo, G.J. Torres	Surveillance: 2.1. Concept, objectives, components, types and sources of information. Performance and evaluation of surveillance programmes 2.2. Investigation of outbreaks: known and unknown diseases I. de Blas, G. Cáceres	Surveillance: Current trends 2.4.2. Pathogen identification: fast, on-site methods, full genome analysis, metagenomics P.E. Fournier	Contingency planning: 3.1.1-3.1.7 G. Cáceres, CCAES	3.1.8.2. Practical work: design of a contingency plan for Crimean-Congo Hemorrhagic fever <u>Introduction and work session</u> J.A. Oteo, A. Alba, G. Cáceres, CCAES	Control measures: seeking integration 3.2.4. Vector control strategies L. Hernández-Triana	Control measures: seeking integration 3.2.6. New therapies for fighting against infections and new vaccine developments J.A. Oteo	3.2.8. Practical group work/role game (Cont.) <u>Presentation of results and debate</u> M.A. Jiménez-Clavero, S. Napp, CCAES, L. Hernández-Triana, J. Figuerola, I. de Blas
Break								
15:30-16:30	1.2.1. Overview and historical perspective 1.2.2. Emerging pathogens and their ecology: drivers of disease emergence 1.2.3. Host range and species jump. Species barrier. Pathogen spillover. Immunity M.A. Jiménez-Clavero	Integrated surveillance: 2.3.1. Animal health, public health and environmental surveillance 2.3.2. Surveillance networks M.G. Dente	Surveillance: Current trends 2.4.3. Vector monitoring L. Hernández-Triana	2.5. Practical work (Cont.) <u>work session</u> F. Dorea, P.E. Fournier, M.G. Dente, L. Hernández-Triana, I. de Blas, G. Cáceres	3.1.8.2. Practical work (Cont.) <u>Work session</u> J.A. Oteo, A. Alba, G. Cáceres, CCAES	Communication strategies 4.1. Presentation: who, what, how, when and for whom; ethical issues; social networks I. Rosell	3.2.8. Practical group work/role game to organize control responses based on hypothetical outbreak data, with the different components of the One Health approach being represented in each group <u>Introduction and work session</u> M.A. Jiménez-Clavero, S. Napp, CCAES, L. Hernández-Triana, J. Figuerola, I. de Blas	Round Table discussion: From COVID-19 to disease X – is the One Health approach the solution? T. Pumarola, A. Alba, L. Hernández-Triana, J. Figuerola, CCAES, I. de Blas, G. Cáceres, M.A. Jiménez-Clavero, N. Majò, J.A. Oteo
16:30-17:30	1.2.4. Transmission scenarios: foodborne, waterborne, airborne, vectorborne, rodentborne and others 1.2.5. Vectors and their ecology 1.2.6. Climate change and emerging infections I. de Blas	2.3.3 Integrated surveillance: <u>Case study: West Nile fever</u> M.G. Dente, L. Hernández-Triana	2.5. Practical work: design an integrated surveillance programme based on country cases for particular diseases <u>Introduction and work session</u> F. Dorea, P.E. Fournier, M.G. Dente, L. Hernández-Triana, I. de Blas, G. Cáceres	2.5. Practical work (Cont.) <u>Presentation of results and debate</u> F. Dorea, P.E. Fournier, M.G. Dente, L. Hernández-Triana, I. de Blas, G. Cáceres	3.1.8.2. Practical work (Cont.) <u>Presentation of results and debate</u> J.A. Oteo, A. Alba, G. Cáceres, CCAES	Communication strategies 4.2. Debate I. Rosell, P. Perla, I. de Blas, J.A. Oteo, M.A. Jiménez-Clavero, N. Majò, G. Cáceres		