

European Wildlife Disease Association



13th CONFERENCE

Larissa GREECE, 2018



UNIVERSITY OF THESSALY // SCHOOL OF HEALTH SCIENCES//
FACULTY OF VETERINARY MEDICINE

“Wildlife Health and Conservation: Expectations in a challenging era”

27-31 August, 2018
Larissa, Thessaly, Greece

-- PROGRAM --



E.A.Ka.Ma.Ke.Ve



THE NATIONAL MARINE PARK OF
ALONNISOS NORTHERN SPORADES



Sunday, August 26**EWDA Wildlife Health Surveillance Network meeting****-AMPHITHEATER 1, FACULTY OF MEDICINE BUILDING-2ND FLOOR-**

13:00-20:00	
13:00-14:00	Welcome Coffee
14:00-14:05	Welcome and introduction (Thijs Kuiken)
14:05-14:15	Overview of wildlife health surveillance in Europe as of 2009 (Thijs Kuiken)
14:15-14:30	Review of requirements of a wildlife health surveillance programme (Marie-Pierre Ryser)
14:30-15:30	Start-up and growth spurts of established wildlife health surveillance systems in a selected number of countries, part 1 (4 x 15 min; Paul Tavernier, Belgium; Antonio Lavazza, Italy; Jorge Lopez, Spain; Marie-Pierre Ryser, Switzerland)
15:30-16:00	Break and Poster Viewing
16:00-16:30	Start-up and growth spurts of established wildlife health surveillance programmes in a selected number of countries, part 2 (2 x 15 min; Jolianne Rijks, The Netherlands; Becki Lawson and Paul Duff, U.K.)
16:30-17:15	Panel discussion: what worked, what didn't? (Panel: all speakers on start-up and growth spurts of established programmes. Chair: Thijs Kuiken)
17:15-17:45	Break and Poster Viewing
17:45-19:00	Situation reports of a selected number of countries who wish to start a wildlife health surveillance programme (5 x 15 min; Kastriot Korro, Albania; Daniel Mladenov, Bulgaria; Gudrun Wibbelt, Germany; Charalambos Billinis, Anastasia Komnenou, Greece; Sara Sevic, Serbia)
19:00-19:45	Panel discussion: how to get started? (Panel: all speakers on countries wishing to start a programme . Chair: Thijs Kuiken)
19:45-20:00	Concluding remarks (Thijs Kuiken)

Monday, August 27

TIME	VENUE	WORKSHOPS
10:00-18:00	DEP. OF ICHTHYOLOGY AND AQUATIC ENVIRONMENT, UN. THESSALY, VOLOS & VISIT TO THE SEA	Marine Priority Habitats and species: Applied biomonitoring in Marine Protected Areas and the special-case of Marine Mammals
09:00-17:00	CLASSROOM 1, FACULTY OF MEDICINE BUILDING -3 RD FLOOR	2nd EWDA Wildlife Histopathology Workshop
08:30-18:00	COMPUTERS CLASSROOM, LIBRARY BUILDING-1 ST FLOOR & VISIT TO LAKE KARLA	Methods to investigate the association between wildlife and human cases in a zoonotic disease outbreak; the WNV example
10:00-14:00	CLASSROOM 2, FACULTY OF MEDICINE BUILDING-3 RD FLOOR	Wildlife disease monitoring: techniques and Cost-benefit trade-offs analysis
09:00-13:00	CLASSROOM 3, FACULTY OF MEDICINE BUILDING-3 RD FLOOR	Disease Risk Analysis for Translocations

Tuesday, August 28	
08:00 – 19:00	Registration – submission of auction objects (Registration Desk, Foyer)
08:15 – 08:30	Welcome (Hippocrates Auditorium)
MORNING SESSION I: Wildlife Health, Management and Conservation Chairs: Thomas Tully and Becki Lawson	
08:30 – 09:15	Keynote: How do we get action for a healthier planet? The lead ammunition case study. Ruth Cromie
09:15 – 09:30	British Veterinary Zoological Society (BVZS) Good Practice Guidelines for Wildlife Rehabilitation Centres. Elizabeth Mullineaux
09:30 – 09:45	OIEparser: The data management tool for OIE-listed diseases. Katalin Maria Horvath
09:45 – 10:00	Reestablishment of a non-migratory flock of whooping cranes (<i>Grus americana</i>) in Louisiana, USA. Thomas N. Tully
10:00 – 10:15	The Great Tit <i>Parus</i> major pox disease in France: evidence of emergence and spatio-temporal distributions from citizen science-based data. Phillippe Gourlay
10:15 – 10:30	Spatio-temporal dynamics and aetiology of proliferative leg skin lesions in wild British finches. Becki Lawson
10:30 – 10:45	Investigation of mass mortality in Arctic terns (<i>Sterna paradisaea</i>) at a breeding colony in Wales. Paul Holmes
10:45 – 11:00	Prevalence of avian influenza and Newcastle disease viruses in local populations of wild birds in contact with Houbara bustards conservation breeding programmes in the United Arab Emirates. Julien Hirschinger
11:00 – 11:30	Coffee break (Foyer) Auction team meeting
MORNING SESSION II: Wildlife Health, Management and Conservation Chairs: Erik Ågren and Miriam Maas	
11:30 – 11:45	Disease and health implications of free living wildlife on a captive zoo population. Debbie Myers
11:45 – 12:00	Histopathological study of eye tissues from semi-domesticated reindeer with infectious keratoconjunctivitis caused by cervid herpesvirus 2 in an experimental setting. Javier Sánchez Romano
12:00 – 12:15	Spatiotemporal spread of sarcoptic mange in the red fox (<i>Vulpes vulpes</i>) and other wild carnivores in Switzerland. Simone R. R. Pisano
12:15 – 12:30	Epidemiological study of <i>Dichelobacter nodosus</i> in free ranging Alpine ibex (<i>Capra ibex ibex</i>) and other potential hosts: identifying maintenance hosts and risk factors for infection. Gaia Moore-Jones
12:30 – 12:45	Disease risk analysis for the western barred bandicoot (<i>Perameles bougainville</i>). Rebecca Vaughan-Higgins
12:45 – 13:00	Epidemiological analysis of Aujeszky disease in wild boar in Italy. Stefania Calo'
13:00 – 13:15	Plasticosis from intact and micronizing plastic in birds, reptiles and mammals, including humans. Branson W. Ritchie
13:15 – 14:45	Lunch (Venue Restaurant)
AFTERNOON SESSION I: Genetics-Disease Association Chairs: Marie-Pierre Ryser-Degiorgis & Zissis Mamuris	
14:45 – 15:00	An update on the puzzling world of human and animal pathogenic treponemes. Sascha Knauf
15:00 – 15:15	Does stress impair healthy aging? Relationship between stress and telomere length in roe deer. Emmanuelle Gilot-Fromont
15:15 – 15:30	MHC class II DQA locus variation in the species of European Brown hare: pathogen-driven genetic differentiation. Themistoklis Giannoulis
15:30 – 15:45	Elephant Endotheliotropic Herpesvirus (EEHV) infection in Asian elephants (<i>Elephas maximus</i>) possible correlated hereditary coagulation disorder. Sónia Alexandra de Jesus Fontes
15:45 – 16:00	Genomic response to experimental infestation with <i>Sarcoptes scabiei</i> in Iberian ibex. Arián Ráez Bravo
16:00 – 16:15	High prevalence of heart anomalies of suspected genetic origin in a reintroduced Eurasian

	lynx (<i>Lynx lynx</i>) population, Switzerland. Marie-Pierre Ryser-Degiorgis
16:15 – 17:15	Coffee break and poster session (Foyer)
	AFTERNOON SESSION II: Health and conservation of neglected species (focus: bats) Chairs: Lineke Begeman & Gudrun Wibbelt
17:15 – 17:30	Landscape immunology across the range of a widespread Neotropical bat species. Gábor Á. Czirják
17:30 – 17:45	Disease ecology of Lyssaviruses in the greater mouse-eared bat from South Tyrol (Italy). Stefania Leopardi
17:45 – 18:00	Vector-borne pathogens in tissues of bats from Central and Eastern Europe. Alexandra Corduneanu
18:00 – 18:15	Passive surveillance of bat lyssavirus infections in the Netherlands, a three decade overview. E.A. (Bart) Kooi
18:15 – 18:30	A passive surveillance for emerging viruses in bats in Italy- Implications for Public Health and biological conservation. Antonio Lavazza
18:30 – 18:45	Does bat diversity explain Ebola spillover? Julie Shapiro
18:45 – 19:00	Is stress caused by anthropogenic changes responsible for virus spillover from bats to other species? Vikram Misra
19:00 – 19:15	Detection and characterisation of multiple herpesviruses in free-living Western European hedgehogs (<i>Erinaceus europaeus</i>). Helle Bernstorff Hydeskov
19:15 – 19:25	WDA looks to the future. Richard Kock
19:25–19:30	EWDA Student Chapter. Anna Hillegonda Baauw
19:30 – 19:45	Opening Address (Hippocrates Auditorium)
19:45 – 20:45	EWDA AGM (Hippocrates Auditorium)
21:00	Welcome dinner (Venue Restaurant)
Wednesday, August 29	
08:00-15:30	Scheduled excursion to Meteora (lunch included) Meeting point: Larissa Central Square, Kyprou & Filellinon str.
	AFTERNOON SESSION I: Aquatic animals and ecosystems Chairs: Aleksija Neimanis and Anastasia Komnenou
16:00 – 16:15	Grey seal (<i>Halichoerus grypus</i>) predation on marine mammals in German waters. Stephanie Gross
16:15 – 16:30	Antibiotic resistant <i>Klebsiella pneumoniae</i> causing illness in juvenile common seals (<i>Phoca vitulina</i>) on the East coast of England. J Paul Duff
16:30 – 16:45	Genome-wide screening and functional MHC components reveals susceptibility to lungworms in female striped dolphins. Georgios A. Gkafas
16:45 – 17:00	So why do they strand? What we know from 25 years of marine mammal surveillance in the UK. Andrew Brownlow
17:00 – 17:15	Toxoplasmosis in free-ranging Eurasian beavers (<i>Castor fiber</i>) from Switzerland. Samoa Zürcher-Giovannini
17:15 – 17:30	Surprisingly Long Lungworms from Common Seals of the Dutch North Sea. Jocelyn Elson-Riggins
17:30 – 18:15	Coffee break and poster session (Foyer)
	AFTERNOON SESSION II: Aquatic animals and ecosystems Chairs: Aleksija Neimanis and Athanasios Exadactylos
18:15 – 18:30	Clinical Significance of <i>Uncinaria</i> spp in Orphan Mediterranean Monk Seal Pups in Greece. Komnenou Anastasia
18:30 – 18:45	Vomiting in seals indication of bycatch? Jooske IJzer
18:45 – 19:00	Changing ecosystem dynamics: Increasing evidence of direct lethal, indirect lethal and non-lethal interactions between grey seals and harbour porpoises. Lonneke L. IJsseldijk
19:00 – 19:15	Dead useful; Separating the Signal from the Noise through Marine Mammal Strandings Surveillance. Mariel ten Doeschate
19:15 – 19:30	Marine debris and plastic pollution – an emerging non-infectious threat to aquatic wildlife and human health. Anja Reckendorf
21:00	Student-Mentor-Mixer (Bar “Klimax”, Ifaistou & Eleftheriou Venizelou, Larissa)

Thursday, August 30	
08:00 – 13:00	Registration – submission of auction objects (Registration Desk, Foyer)
MORNING SESSION I: Vector Borne Diseases Chairs: Nikos Papadopoulos and Károly Erdélyi	
08:30 – 09:15	Keynote: Wildlife and Vector-borne diseases in Europe. Herve Zeller
09:15 – 09:30	National-wide survey for vector-borne pathogens in wild and domestic canines and associated ticks and fleas in Chile. Javier Millán
09:30 – 09:45	A survey of tick-borne pathogens in ixodid ticks and their wild boar hosts in the Barcelona metropolitan area. Raquel Castillo-Contreras
09:45 – 10:00	Landscape and invasive species effects on infection dynamics of Bartonella in indigenous rodents from southern Africa. Luiza Hatyoka
10:00 – 10:15	Understanding wildlife disease requires good host data: wild boar and ASF risk. Graham Smith
10:15 – 10:45	Coffee break (Foyer)
MORNING SESSION II: Vector Borne Diseases Chairs: Nikos Papadopoulos and Károly Erdélyi	
10:45 – 11:00	Pathogenic potential of Bagaza virus in tree Phasianid species: red-legged partridge, grey partridge and common pheasant. Elisa Pérez-Ramírez
11:00 – 11:15	Past and current features of Usutu virus circulation in Hungary and Austria. Károly Erdélyi
11:15 – 11:30	Seasonal longevity of the West Nile virus vector mosquito Culex pipiens. Nikos Papadopoulos
11:30 – 11:45	Magpies and West Nile Virus: Reservoir or Sentinel? Ursula Höfle
11:45 – 12:00	First report of massive deaths in wild birds with neurological signs due to West Nile Virus infection during an epizootic outbreak in Peloponnesus, Greece, 2017. George Valiakos
MORNING SESSION III: Wildlife tuberculosis: epidemiology and control Chairs: Christian Gortázar Schmidt and Richard Delahay	
12:00 – 12:15	Combining long-term testing and ecological data to improve the accuracy of disease diagnosis: An example from a long-term study of tuberculosis in wild badgers in the UK. Julian Drewe
12:15 – 12:30	Temporal and spatial distribution of antibodies against Mycobacterium bovis in wild boar (Sus scrofa) in the Basque Country (Northern Spain). Lucía Varela Castro
12:30 – 12:45	Assessment of BCG and inactivated Mycobacterium bovis vaccines in an experimental tuberculosis infection model in European badger (Meles meles). Ana Balseiro
12:45 – 13:00	TB maintenance community: investigation on the role of red foxes. Céline Richomme
13:00 – 13:15	The big bad wolf helping Spanish farmers - a tale on predation and tuberculosis. Christian Gortazar
13:15 – 14:45	Lunch (Venue Restaurant)
AFTERNOON SESSION I: Wildlife tuberculosis: epidemiology and control Chairs: Christian Gortázar Schmidt and Richard Delahay	
14:45 – 15:00	Host heterogeneity and TB dynamics in badgers. Richard (Dez) Delahay
15:00 – 15:15	A compartmental dynamic model for Mycobacterium bovis transmission between badger and cattle in south-western France. Malika Bouchez-Zacria
15:15 – 15:30	Surveillance of wildlife tuberculosis in Catalonia (Spain), a low prevalent area of bovine tuberculosis, 2012-2018. Bernat Pérez de Val
15:30 – 15:45	Quantitative characterization of the community of tuberculosis-infected hosts in the Iberian Peninsula. Nuno Santos
15:45 – 16:00	Progress towards the development of an oral vaccine against TB in badgers. Sandrine Lesellier
AFTERNOON SESSION II: Emerging and re-emerging diseases Chairs: Morten Tryland and Efthimia Petinaki	
16:00 – 16:15	Mongolian khulan (Equus hemionus hemionus) are exposed to multiple influenza A strains. Sanatana Eirini Soilemetzidou
16:15 – 16:30	Bufonid Herpesvirus 1 – Associated proliferative dermatitis in free-ranging common

	toads (<i>Bufo bufo</i>). Francesco C. Origi
16:30 - 16:45	Serological survey of hepatitis E virus in hunted wild boar (<i>Sus scrofa</i>) in Gipuzkoa (Northern Spain). Miriam Martinez de Egidua
16:45 - 17:00	Lagovirus europaeus GI.2 (Rabbit Hemorrhagic Disease Virus 2) in an isolated population of mountain hares (<i>Lepus timidus</i>) expands the host range of GI.2. Aleksija Neimanis
17:00- 18:00	Coffee break and poster session (Foyer)
	AFTERNOON SESSION III: Emerging and re-emerging diseases Chairs: Morten Tryland and Efthimia Petinaki
18:00 -18:15	The occurrence of the moose nasal bot fly (<i>Cephenemyia ulrichii</i>) in Norway – an emerging disease? Andrea L Miller
18:15 - 18:30	Serological screening for viral pathogens among semi-domesticated Eurasian tundra reindeer (<i>Rangifer tarandus tarandus</i>) from eight reindeer herding districts in Norway. Morten Tryland
18:30 - 18:45	Peste des petits ruminants (PPR) as a great threat to wild ungulates in the Asian Continent. Sasan Fereidouni
18:45 - 19:00	Chronic Wasting Disease in Norway: an update on surveillance, research and disease development. Jørn Våge
19:00 - 19:15	The background for the management of CWD in Norway – scientific reasoning with high degree of uncertainty. Bjørnar Ytrehus
16:00-19:00	Silent Auction (Auditorium Hippocrates Side Room, Basement)
19:30	Auction (Venue Restaurant, Terrace)

Friday, August 31	
08:30 - 10:00	Registration (Registration Desk, Foyer)
	MORNING SESSION I: Wildlife and Public Health Chairs: Thijs Kuiken and Riccardo Orusa
08:45 - 09:30	Keynote: Current epidemiological data for Rabies in Greece. Steps to eradicate the disease. Laskarina-Maria Korou
09:30 - 09:45	“Working in Silo” & “Path Dependence”: Relevance for a global Management of Wildlife and Health. Marc Artois
09:45 - 10:00	Antimicrobial resistance in wildlife species: the potential for sentinel surveillance in a ONE HEALTH perspective. Carlos G. das Neves
10:00 - 10:15	New tools to face old problems: Whole genome sequencing for a better insight into an outbreak of <i>Salmonella</i> serovar <i>Choleraesuis</i> var. <i>Kunzedorf</i> . Carlo Vittorio Citterio
10:15 - 10:30	Invasive species as a risk for public health: raccoon dogs and raccoons in the Netherlands. Miriam Maas
10:30 - 10:45	Non-invasive blood sampling methods in zoo animals with use of medicine leeches (<i>Hirudo Medicinalis</i>). Pavel Kvapil
10:45 - 11:15	Coffee break (Foyer)
	MORNING SESSION II: Wildlife and Public Health Chairs: Marc Artois and James Paul Duff
11:15 - 11:30	Pathogen screening of Norway rats (<i>Rattus norvegicus</i>). Rainer G. Ulrich
11:30 - 11:45	Chlamydiaceae in wild, feral and domesticated pigeons in Switzerland. Prisca Mattmann
11:45 - 12:00	Measuring the distribution of tick-borne encephalitis virus circulation in low endemic areas using serological screening of roe deer (<i>Capreolus capreolus</i>). Jolianne M. Rijks
12:00 - 12:15	Jackals' rabies outbreak, Israel 2017-18: Has the ORV failed? Roni King
12:15 - 12:30	Oral Vaccination of Wildlife against Rabies in Europe; Past, present and future. Ferenc Kovacs
12:30 -14:00	Lunch (Venue Restaurant)
	AFTERNOON SESSION I: Wildlife Health, Management and Conservation Chairs: Jolianne M. Rijks and Ursula Höfle
14:00 - 14:15	Invasive turtles as a threat for environment and source and vector of animal and human pathogens. Dariusz Wasyl

14:15 – 14:30	Comparison of three methods to characterize bushpig visits into crop fields in an African swine fever endemic area of Uganda. Ariane Payne
14:30 – 14:45	Radiographic Evaluation of Thoracic Girdle Fractures in Wild Passerine Cadavers after Presumptive Window Collisions. João Brandão
14:45 – 15:00	Pregnancy diagnosis of Muskoxen (<i>Ovibos moschatus</i>) in high arctic conditions. Eva Greunz
15:00 – 15:15	Defining animal welfare standards for hunting based on body mass and flight distance. Bjørnar Ytrehus
15:15 – 15:30	Unraveling the potential causes of secondary hyperparathyroidism in free-living nestling white storks (<i>Ciconia ciconia</i>) from Central Spain. Ursula Höfle
15:30 – 16:15	Coffee break and poster session (Foyer)
AFTERNOON SESSION II: Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe // Chairs: Charalambos Billinis and Sophie Rossi	
16:15 – 16:30	Cattle Egret as a potential reservoir of avian pathogens in South-West France. Guillaume Le Loc'h
16:30 – 16:45	Comparison of Rev.1 live vaccine innocuousness between Alpine ibex (<i>Capra ibex</i>) and domestic goats (<i>Capra hircus</i>): an unexpected strong species effect. Sophie Rossi
16:45 – 17:00	Few wild birds - many domestic outbreaks of highly pathogenic avian influenza H5N8 during the 2016-2017 epizootic: the French paradox. Anne Van de Wiele
17:00 – 17:15	Virulence and excretion dynamics of H5 highly pathogenic avian influenza virus of the Goose/Guangdong lineage in experimentally infected wild ducks. Thijs Kuiken
17:15 – 17:30	Closing address (Hippocrates Auditorium)
19:00	Travel to Volos (Meeting point: Larissa Central Square, Kyprou & Filellinon str.)
20:00	Conference Banquet ("Rivaz", Volos)

All sessions of the main conference will be held in the "Hippocrates Auditorium"