

GeoVet 2019 Oral Presentations Program



	Abstract ID	Presenter	Type	Date	Time	Duration (min)	Location	Session Theme	Moderator	Title
Day 1 – Tuesday – October 8 th	488518	Annamaria Conte	Keynote	8-Oct	8:15-9:00	45	Plenary (B+C)	Operational GIS tools	Beatriz Martinez Lopez	"From pixels to knowledge"
	476008	Erin Elizabeth Rees	Senior	8-Oct	9:30-10:00	30	Plenary (B+C)	Operational GIS tools	Michael Ward	"Development of spatio-temporal risk analytics for enhancing event-based surveillance systems"
	477566	Alessio Di Lorenzo	Regular	8-Oct	10:00-10:15	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"A Veterinary Web-GIS to manage non-epidemic emergencies in Italy"
	479862	Beatriz Martínez-López	Regular	8-Oct	10:15-10:30	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"Accelerating data sharing, visualization and analysis to support efficient disease monitoring and more real-time decision making in the swine industry using the Disease BioPortal platform."
	475639	Caitlin Nicole Pfeiffer	Regular	8-Oct	10:30-10:45	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"Effective capacity-building for spatial analyses: Risk mapping for emerging infectious diseases in Indonesia"
	477760	Carla Rosenfeld	Regular	8-Oct	10:45-11:00	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"Identification of spatial clusters from seized material at slaughterhouses as a strategy of health intervention in cattle in the South of Chile."
	477623	Lara Savini	Regular	8-Oct	11:00-11:15	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"EpiExploreR: a Shiny web application for the exploration and analysis of animal disease data"
	474071	Lina Mur	Regular	8-Oct	11:15-11:30	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"WAHIS, the unique source of official worldwide animal health information, is becoming OIE-WAHIS, a new digital platform"
	476047	Olaf Berke	Regular	8-Oct	11:30-11:45	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"Dazed and confused: How map projections affect disease map analysis and perception"
	477715	Celia Chaiban	Regular	8-Oct	11:45-12:00	15	Plenary (B+C)	Operational GIS tools	Michael Ward	"Farm distribution models developed along a gradient of intensification"
	488382	Cristina Lanzas	Keynote	8-Oct	1:00-1:45	45	Plenary (B+C)	Networks Analysis	Erin Rees	"High-resolution location data: Modeling and applications in veterinary medicine"
	476109	James Sharpnack	Senior	8-Oct	1:45-2:15	30	Plenary (B+C)	Networks Analysis	Erin Rees	"Scan statistics and multiple testing in networks with applications to veterinary epidemiology"
	476111	Gustavo Machado	Senior	8-Oct	2:45-3:15	30	Ballroom B	Networks Analysis	Erin Rees	"The integration of geostatistical analysis with social network improve active disease surveillance "
	477766	Chong Wang	Senior	8-Oct	2:45-3:15	30	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"A spatio-temporal model for disease spread at regional level "
	477044	Christoffer Axelsson	Regular	8-Oct	3:15-3:30	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Long-term spatial projections of global ruminant distribution 2015 – 2050"
	479949	Narjara Veras Grossmann	Regular	8-Oct	3:30-3:45	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"How changes in species identification can affect disease prediction. A case study of a Cricetid rat and Hantavirus"
	478854	Day-Yu Chao	Regular	8-Oct	3:45-4:00	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Ecological factors contributing to persistence of multiple highly pathogenic avian influenza viruses circulating among the poultry farms in Taiwan during 2015-17"
	475952	David Oseguera	Regular	8-Oct	4:00-4:15	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Anthropogenic food provisioning and cat-keeping practices of urban households in Yucatán, Mexico"
	477659	Kaushi ST Kanankege	Regular	8-Oct	4:15-4:30	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Identifying opportunities to improve the effectiveness in rabies control in Thailand using geographical analysis"
	477723	Juan Manuel Sanhueza	Regular	8-Oct	4:30-4:45	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Spatial relative risk of PRRS summer outbreaks and factors associated with PRRS incidence during summer"
	477276	Xiangming Xiao	Regular	8-Oct	4:45-5:00	15	Ballroom C	S-T surveillance & modeling	Day-Yu Chao	"Water-related land cover data products for geospatial analysis and modeling of infectious disease transmission risks"
	477666	Carla Ippoliti	Regular	8-Oct	3:15-3:30	15	Ballroom B	Networks Analysis	Erin Rees	"Combining multicriteria decision analysis and network-based model to assess the vulnerability of commercial Cuban poultry to avian influenza viruses"
	475689	Jason Onell Ardila Galvis	Regular	8-Oct	3:30-3:45	15	Ballroom B	Networks Analysis	Erin Rees	"The recovery of cattle herd spatial location using animal movements"
	479861	Jose Pablo Gomez-Vazquez	Regular	8-Oct	3:45-4:00	15	Ballroom B	Networks Analysis	Hesha Duggirala	"Spatio-Temporal analysis of the trade network of the cattle industry in California"
	477675	Gustavo Machado	Regular	8-Oct	4:00-4:15	15	Ballroom B	Networks Analysis	Hesha Duggirala	"A network based spatial risk index indicator to guide active surveillance"
	479904	Keith Sollers	Regular	8-Oct	4:15-4:30	15	Ballroom B	Networks Analysis	Hesha Duggirala	"An implementation of Geographical and Temporal Weighted Regression in modeling occurrences of Porcine Reproductive and Respiratory Syndrome in the US swine industry"
	479536	Laura V Alarcón	Regular	8-Oct	4:30-4:45	15	Ballroom B	Networks Analysis	Hesha Duggirala	"Network analysis of pig movements in Argentina: identification of key farms in the spread of diseases and relationship with their biosecurity level"
	475956	Nicolas Céspedes Cardenas	Regular	8-Oct	4:45-5:00	15	Ballroom B	Networks Analysis	Hesha Duggirala	"Accessing the temporal pig trade network in a Brazilian state to inform the design of risk-based disease surveillance"

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Day 2 – Wednesday – October 9 th	488738	Assaf Anyamba	Keynote	9-Oct	8:15-9:00	45	Plenary (B+C)	Emerging GIS & sensor technologies	Chris Barker	"Rift Valley fever Risk Mapping and Prediction: Progress, Challenges and Future Opportunities"
	477774	Dale Polson	Senior	9-Oct	9:30-10:00	30	Plenary (B+C)	Emerging GIS & sensor technologies	Andres Perez	"Evaluation of a technology platform utilizing Bluetooth low energy (BLE) beacons to measure movement of animals, assets and personnel throughout a pig production network "
	479731	Samson Leta Regassa	Regular	9-Oct	10:00-10:15	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"Global Distribution of Culicoides imicola, a Major Vector of Bluetongue, Schmallenberg and African Horse Sickness Viruses"
	475479	Karen M Holcomb	Regular	9-Oct	10:15-10:30	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"Spatio-temporal impacts of aerial insecticide applications on West Nile virus vectors"
	477617	Luca Candeloro	Regular	9-Oct	10:30-10:45	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"C. imicola occurrence prediction in Italy using Machine-learning and satellite data"
	476781	Michael Patrick Ward	Regular	9-Oct	10:45-11:00	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"Unravelling the epidemiology of tick paralysis in Australia: Application of passive surveillance and GIS"
	476411	Pascale C Stiles	Regular	9-Oct	11:00-11:15	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"The effect of spatial scale on entomological thresholds for the prevention of West Nile virus disease"
	476116	Gustavo Machado	Regular	9-Oct	11:15-11:30	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"The spatiotemporal distribution of lumpy skin disease virus"
	479369	Pilar Pozo	Regular	9-Oct	11:30-11:45	15	Plenary (B+C)	S-T surveillance & modeling	Andres Perez	"To be or not to be (confirmed through bacteriology): spatial epidemiology of bovine tuberculosis in a low prevalence region in Spain"
	488356	Veronica Vieira	Keynote	9-Oct	1:00-1:45	45	Plenary (B+C)	Environmental & Exposure Epi	Hesha Duggirala	"MapGAM: Mapping geographic disparities in health outcomes using individual-level epidemiologic data"
	475897	Catherine Bouchard	Senior	9-Oct	1:45-2:15	30	Plenary (B+C)	Environmental & Exposure Epi	Hesha Duggirala	"Social-behavioral/ecological risk assessment for Lyme disease in southern Québec, Canada."
	479936	M Shamsabardeh	Senior	9-Oct	2:45-3:15	30	Ballroom B	Emerging GIS & sensor technologies	Mark Stevenson	"A novel way to predict PRRS outbreaks in the swine industry using multiple spatio-temporal features and machine learning approaches"
	477502	Nistara Randhawa	Senior	9-Oct	2:45-3:15	30	Ballroom C	Emerging GIS & sensor technologies	Alda Pires	"Using fine-scale satellite imagery and GIS data to help predict disease spread"
	477802	Elvira S. De Lange	Regular	9-Oct	3:15-3:30	15	Ballroom B	Emerging GIS & sensor technologies	Mark Stevenson	"Early detection of arthropod-induced stress in strawberry using innovative remote sensing technology"
	477770	Jerome Nicholas Baron	Regular	9-Oct	3:30-3:45	15	Ballroom B	Emerging GIS & sensor technologies	Mark Stevenson	"Updated estimation of the Burden of Rabies in Dogs and Humans in Cambodia using Spatial Bayesian Regression Modelling."
	477713	Kendy Tzu-Yun Teng	Regular	9-Oct	3:45-4:00	15	Ballroom B	Emerging GIS & sensor technologies	Mark Stevenson	"O, Salmonella, Where Art Thou? Modelling Salmonella infection in swine farms in Spain using Hamiltonian Monte Carlo methods"
	475241	Moh A. Alkhamis	Regular	9-Oct	4:00-4:15	15	Ballroom B	Emerging GIS & sensor technologies	Xiangming Xiao	"Spatial Machine Learning Approach for Risk-Based Surveillance of Bluetongue Virus Serotypes in Europe"
	478432	Kathleen Clare O'Hara	Regular	9-Oct	4:15-4:30	15	Ballroom B	Emerging GIS & sensor technologies	Xiangming Xiao	"Evaluating the association between climatic events and sheep condemnations in the United States using cluster analysis and spatio-temporal modeling"
	475941	Andres Perez	Regular	9-Oct	4:30-4:45	15	Ballroom B	Emerging GIS & sensor technologies	Xiangming Xiao	"Social Network Analysis of Pig Movements and Spatial Characterization of Pig Farms in Mato Grosso, Brazil."
	479623	Leah Helene Streb	Regular	9-Oct	4:45-5:00	15	Ballroom B	Emerging GIS & sensor technologies	Xiangming Xiao	"A stochastic spatial-explicit agent-based modeling framework to better understand transmission dynamics of swine diseases in the US: the example of porcine reproductive and respiratory syndrome (PRRS)."
	476096	Abigail Clemente	Regular	9-Oct	5:00-5:15	15	Ballroom B	Emerging GIS & sensor technologies	Xiangming Xiao	"Spatial Regression Analysis on Reported Canine Rabies Cases in Davao City, Philippines from 2006 to 2017"
	479120	Ahmad Sheikh Saeed	Regular	9-Oct	3:15-3:30	15	Ballroom C	Environmental & Exposure Epi	Alda Pires	"Epidemiological estimates of Acute Respiratory diseases and Asthma using Geostatistical tools in Rawalpindi, Pakistan"
	479898	Caitlin Greer Jones	Regular	9-Oct	3:30-3:45	15	Ballroom C	Environmental & Exposure Epi	Alda Pires	"Wildfire smoke and risk of out-of-hospital cardiac arrests using a spatially derived exposure metric for 2015-2017 California wildfires"
	477498	Fedor Korennoy	Regular	9-Oct	3:45-4:00	15	Ballroom C	Environmental & Exposure Epi	Alda Pires	"Spatiotemporal patterns of historic animal Anthrax outbreaks in Minnesota and Kazakhstan"
	475747	Jessica Dawn Witt	Regular	9-Oct	4:00-4:15	15	Ballroom C	Environmental & Exposure Epi	Olaf Berke	"Assessment of spatial, environmental, and management effects on lameness prevalence in UK sheep flocks"
	475540	David South	Regular	9-Oct	4:15-4:30	15	Ballroom C	Environmental & Exposure Epi	Olaf Berke	"Using geospatial methods to measure the risk of environmental persistence of avian influenza virus in South Carolina"
	476075	Mark Stevenson	Regular	9-Oct	4:30-4:45	15	Ballroom C	Environmental & Exposure Epi	Olaf Berke	"A spatial analysis of risk factors for sarcocystosis in South Australian sheep flocks, 2007-2017"
	477353	Tanya Khemet Taiwo	Regular	9-Oct	4:45-5:00	15	Ballroom C	Environmental & Exposure Epi	Olaf Berke	"Effects of Neighborhood- and Individual-Level Economic and Mental Health Stressors as Susceptibility Factors for Environmental Exposures on Child ASD"
	477464	Thomas P Van Boeckel	Regular	9-Oct	5:00-5:15	15	Ballroom C	Environmental & Exposure Epi	Olaf Berke	"A global map of antimicrobial resistance in animals raised for food "

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Day 3 – Thursday– October 10 th	488684	LeAnn White	Keynote	10-Oct	8:15-9:00	45	Plenary (B+C)	S-T surveillance & modeling	Tim Carpenter	"Surveillance and beyond: shifting our focus in wildlife health"
	479565	John M Humphreys	Senior	10-Oct	9:30-10:00	30	Plenary (B+C)	S-T surveillance & modeling	Fernando Mardones	"A novel spatial statistical approach to jointly model migratory waterfowl and avian influenza detections in North American Poultry."
	475783	Zoe Grange	Regular	10-Oct	10:00-10:15	15	Plenary (B+C)	S-T surveillance & modeling	Fernando Mardones	"SpillOver: A new tool for ranking the risk of viral spillover to humans using big data"
	479897	Erica Lynn Orcutt	Regular	10-Oct	10:15-10:30	15	Plenary (B+C)	S-T surveillance & modeling	Fernando Mardones	"Modeling optimal and marginal habitat in a non-equilibrium system for a threatened California endemic"
	477013	Daniele Da Re	Regular	10-Oct	10:30-10:45	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Toward a time-series of global livestock data over 2000-2015"
	477696	Fernando Mardones	Regular	10-Oct	10:45-11:00	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Spatial epidemiology of Bacterial Kidney Disease (BKD) in farmed salmon in Chile"
	477724	Orapun Arjkumpa	Regular	10-Oct	11:00-11:15	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Spatiotemporal clustering of foot and mouth disease outbreaks in cattle in Chiang Mai and Lamphun, Thailand"
	475596	Sachiko Moriguchi	Regular	10-Oct	11:15-11:30	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Surveillance system for avian influenza in wild birds and implications for the improvement with insights into highly pathogenic avian influenza outbreaks during 2004-2017 in Japan"
	477627	Takuya Kato	Regular	10-Oct	11:30-11:45	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Difference in the factors of effect on reproductive rate of feral raccoon (Procyon lotor) between high- (2008-2010) and low- (2015-2017) density terms in Kanagawa Prefecture, Japan"
	477658	Marius Gilbert	Regular	10-Oct	11:45-12:00	15	Plenary (B+C)	S-T surveillance & modeling	Olaf Berke	"Historical and geographical patterns of new HPAIV emergences and association with spatial factors"
	NA	Discussion Panel	Panel	10-Oct	1:00-2:15	75	Plenary (B+C)	S-T surveillance & modeling	Beatriz Martinez Lopez	Government/Policy making + Industry panel-accelerating the path from industry BigData Revolution to policy changes
	NA	Discussion Panel	Panel	10-Oct	2:45-3:30	45	Ballroom C	Emerging GIS & sensor technologies	Robert Hijmans	Industry panel – Revolutionizing animal, human and environmental health with geospatial technology, digital analytical platforms and precision farming systems: practical applications and lessons learnt
	NA	Discussion Panel	Panel	10-Oct	2:45-3:30	45	Ballroom B	Operational GIS tools	Chris Barker	Government/Policy making panel – Big Data analytics to support policies in animal health, public health and food safety: opportunities and challenges.
	473846	Moh A. Alkhamis	Senior	10-Oct	3:30- 4:00	30	Ballroom C	Phylogenetic approaches	Moh Alkhamis	"Bayesian Phylodynamic Analyses of Segment 10 Reveals Global Origin, Spread, and Host Transmission of Bluetongue Virus"
	477516	Zied Bouslama	Regular	10-Oct	4:00-4:15	15	Ballroom C	Phylogenetic approaches	Moh Alkhamis	"Phylogeography explains spatiotemporal evolution of canine rabies in Tunisia"
	477786	Kyuyoung Lee	Regular	10-Oct	4:15-4:30	15	Ballroom C	Phylogenetic approaches	Moh Alkhamis	"Application of phylogeography to reconstruct Equine influenza virus migration on a global and a US scale"
	477719	Mariana Kikuti	Regular	10-Oct	4:30-4:45	15	Ballroom C	Phylogenetic approaches	Moh Alkhamis	"Genetic and spatio-temporal patterns of porcine reproductive and respiratory syndrome virus in U.S. swine populations"
	475819	Vanessa Gabriele-Rivet	Regular	10-Oct	4:45-5:00	15	Ballroom C	S-T surveillance & modeling	Moh Alkhamis	"Rabies spread modelling within wild dog populations in northern Australia"
	479869	Elisa Yoan Solano	Regular	10-Oct	5:00-5:15	15	Ballroom C	S-T surveillance & modeling	Moh Alkhamis	"Malaria risk assessment and mapping using satellite imagery and boosted regression trees in the Peruvian Amazon"
	477654	Marius Gilbert	Regular	10-Oct	3:30-3:45	15	Ballroom B	ASF Special Topic	Eric Etter	"Investigating the impact of environmental factors on the African Swine Fever epidemic in Belgium"
	479902	Andrew J. Golnar	Regular	10-Oct	3:45-4:00	15	Ballroom B	ASF Special Topic	Eric Etter	"Reviewing the Potential Vectors and Hosts of African Swine Fever Virus Transmission in the United States"
	479878	Anni Yang	Regular	10-Oct	4:00-4:15	15	Ballroom B	ASF Special Topic	Eric Etter	"Estimating Contact Structure among Wild Pigs: Implications for African Swine Fever Transmission and Management"
	479574	Eric Etter	Regular	10-Oct	4:15-4:30	15	Ballroom B	ASF Special Topic	Eric Etter	"Understanding ASF dynamic in South Africa: from spatio-temporal analysis at national level to fine special network analysis."
	476149	Fedor Korennoy	Regular	10-Oct	4:30-4:45	15	Ballroom B	ASF Special Topic	Eric Etter	"Spatio-temporal analysis of the local African swine fever epidemics in the Russian Federation, 2007-2015"
	479754	Kim M Pepin	Regular	10-Oct	4:45-5:00	15	Ballroom B	ASF Special Topic	Eric Etter	"Spatial dynamics of transmission and persistence of African swine fever in wild boar populations: insight for control "
	477665	Stefan Widgren	Regular	10-Oct	5:00-5:15	15	Ballroom B	ASF Special Topic	Eric Etter	"SimInf for spatio-temporal data-driven modeling of African swine fever in Swedish wildboar"
	475669	Yin Mei Fiona Kong	Regular	10-Oct	5:15-5:30	15	Ballroom B	ASF Special Topic	Eric Etter	"Integrating transportation and economic information for the African Swine Fever Virus (ASFV) risk modelling purposes in the Greater Mekong Sub-region (GMS) using online data and grey literature"