



10th European Vertebrate Pest Management Conference

Sevilla, 21- 25 September 2015



Program

Organizers



Sponsors



MONDAY, 21.09.2015

16.30 – 18.30 PM REGISTRATION

TUESDAY, 22.09.2015

08.30 – 09.45 AM REGISTRATION

09.45 – 10.00 AM ROOM AULA MAGNA: OPENING REMARKS

10.00 – 11.00 AM PLENARY: Following alien birds along the pathway to impact (P1) *Blackburn, Tim*

11.00 – 11.30 AM COFFEE BREAK

11.30 – 13.30 AM Biological control of rodent pests by promoting increased raptor predation pressure. Organized by *Javier Viñuela & Yoav Motro*

- 11.30 Prey consumption by a large aggregation of barn owls in an agricultural setting (O8) *Browning, Mark*
- 11.50 Promoting increased raptor predation pressure: how much does it cost? (O3) *Machar, Ivo*
- 12.10 Raptors conservation program and biological control of rodents in Chile (O4) *Muñoz-Pedreras, Andrés*
- 12.30 Utilizing barn owls *Tyto alba* in agriculture as an alternative for rodenticides on a national scale in Israel (O5) *Motro, Yoav*
- 12.50 Nest-box supplementation for Eurasian kestrel and barn owl as a biological control tool for common vole (*Microtus arvalis*) outbreaks in croplands in NW Spain (O6) *Viñuela Madera, Javier*
- 13. 10 Use of barn owls (*Tyto alba*) for sustainable rodent control in Florida sugarcane (O2) *Raid, Richard*

13.30 – 15.00 PM LUNCH

15.00 – 16.00 PM PLENARY: Biological control of vertebrates: beyond myxomatosis and rabbit haemorrhagic disease (P2) *Cooke, Brian*

16.00 – 16.30 PM COFFEE BREAK

PARALLEL SESSIONS

16.30 – 17.30 PM ROOM Aula Magna: Urban pest management

- 16.30 Factors driving the presence of wild boar (*Sus scrofa*) in the urban area of Barcelona (O10) *Castillo Contreras, Raquel*
- 16.50 Long term management of an urban gull population (O11) *Hartley, G.*
- 17.10 Non-synonymous Vkorc1 polymorphism in the house mouse (*Mus musculus* spp.), Norway rat (*Rattus norvegicus*) and roof rat (*R. rattus*) in the U.S. (O9) *Kohn, Michael*

16.30 – 17.30 PM ROOM Aula de Grados: Biological control of rodent pests by promoting increased raptor predation pressure

- 16.30 The use of historical records of barn owl pellets to analyze the evolution of its distribution in an agricultural landscape (O7) *Hernández-Soto, Rubén*
- 16.50 Avian predator management for vole biological control: positive and negative collateral effects on red-legged partridge abundances (O1) *Paz Luna, Alfonso*

Control methods and alternatives

- 17.10 Altering woodpigeon hunting practices to reduce crop damage in Flanders (O26) *Huysentruyt, Frank*

17.30 – 18.30 PM POSTER SESSION

WEDNESDAY, 23.09.2015

09.00 – 10.00 AM PLENARY (ROOM AULA MAGNA): Prioritizing invasive species eradications (P3) *Courchamp, Franck*

10.00 – 11.00 AM Control methods and alternatives

- 10.00 A historical perspective on the effects of trapping and controlling the muskrat (*Ondatra zibethicus*) in the Netherlands (O12) *Bos, Daan*
- 10.20 Mutations in the VKORC1 gene of the Norway rat (*Rattus norvegicus*) conferring resistance to anticoagulant rodenticides in the United Kingdom (O14) *Rymer, David*
- 10.40 Free feeding of wild-caught Norway rats with a non-toxic liquid bait results in compromised fertility (O15) *Hoyer, Patricia*

11.00 – 11.30 AM COFFEE BREAK

11.30 – 13.30 AM Control methods and alternatives

- 11.30 The large-scale removal of mammalian invasive alien species in northern Europe (O16) *Gygy,hiuty*
- 11.50 The potential of coumatetralyl enhanced by cholecalciferol in the control of anticoagulant resistant Norway rats (O17) *Endepols, Stefan*
- 12.10 Eradicating grey squirrels from urban areas: an innovative decision making approach based on lessons learnt (O19) *La Morgia, Valentina*
- 12.30 Distribution of VKORC1 single nucleotide polymorphism in wild *Mus musculus domesticus* in France (O20) *Lattard, Virginie*
- 12.50 Annual variation in the density of rabbits in the high mountains of the island of Tenerife and implications for ecosystem conservation in the Teide National Park (O21) *Martín Esquivel, Jose Luis*
- 13.10 Encapsulated sodium nitrite for feral pig control (O22) *Shapiro, Lee*

13.30 – 15.00 PM LUNCH

15.00 – 16.00 PM PLENARY: Using recombinant genetics to control vertebrate pests: prospects and constraints on an evolving technology (P4) *Thresher, Ronald*

16.00 – 16.30 PM COFFEE BREAK

16.30 – 17.10 PM Control methods and alternatives

- 16.30 Technology advances for vertebrate pest eradication (O23) *Eason, Charles*
- 16.50 Study of the efficiency of anticoagulant rodenticides to control *Mus Musculus domesticus* introgressed with *Mus spretus* Vkorc1 (O25) *Goulois, Joffrey*

17.10 – 18.10 PM Agricultural and silvicultural pest management

- 17.10 Crop damage in time and space resolving conflict between farmers and wild boars in northeastern Poland (O27) *Bobek, Boguslaw*
- 17.30 Ecological and economic aspects of the impact of ungulates on forests (O28) *Náhlík, András*
- 17.50 Monitoring commensal rodent populations with camera traps: how not to fill your hard drive in six weeks (O29) *Lambert, Mark*

20.30 PM CONFERENCE DINNER

THURSDAY, 24.09.2015

09.00 – 10.00 AM PLENARY Wildlife, livestock, people and “pests” in southern African transfrontier conversation areas: problems and prospects for multispecies systems (P5) *Cumming, David*

10.00 – 11.00 AM Ecologically based pest management. Organized by Grant Singleton & Jens Jacob

- 10.00 Ecologically based management of grassland small mammals (O31) *Giraudoux, Patrick*
- 10.20 Genetic population structure to explain the spread of anticoagulant rodenticide resistance of Norway rats (*Rattus norvegicus*) in Germany (O32) *Esther, Alexandra*
- 10.40 Local population dynamics of small mammal communities in agricultural landscapes of SW Europe: density-dependence and relationships with climate (O33) *Rodríguez-Pastor, Ruth*

11.00 – 11.30 AM COFFEE BREAK

11.30 – 13.30 AM Ecologically based pest management

- 11.30 Long-term trends in rodent damage and environmental correlates in forestry (O34) *Jacob, Jens*
- 11.50 Density-, age-dependent reproduction and dispersal partially compensates culling efforts of invasive non-native American mink (O35) *Melero Cervero, Yolanda*
- 12.10 Breeding on a roller coaster: reproduction patterns in fluctuating populations of common voles (*Microtus arvalis*) from southern Europe (O36) *Luque-Larena, Juan Jose*
- 12.30 Post harvest impacts of rodents in Myanmar: how much rice do they eat and damage? (O37) *Singleton, Grant*
- 12.50 Habitat preferences by pests to improve population control: the case of possums in a New Zealand dryland ecosystem (O38) *Rouco, Carlos*
- 13.10 Using internet search engines to assess spatial and temporal crop damages caused by European rabbits in Spain (O39) *Delibes-Mateos, Miguel*

13.30 – 15.00 PM LUNCH

15.00 – 16.00 PM PLENARY Overlooked invasive species and their impacts: from prevention to action in the management of exotic avian species in Spain (P6) *Carrete, Martina*

16.00 – 16.30 PM COFFEE BREAK

PARALLEL SESSIONS

16.30 – 17.50 PM ROOM Aula Magna: Ecologically based pest management

- 16.30 Recovery of common vole populations (*Microtus arvalis*) after rodenticide application (O40) *Hein, Susanne*

Zoonoses and parasites

- 16.50 Factors affecting reproduction of ectoparasites of wild rodents: patterns, causes and consequences (O51) *Krasnov, Boris*
- 17.10 *Dirofilariasis* - the new zoonosis in Lithuania (O50) *Sabunas, Vytautas*
- 17.30 Helminth fauna of invasive American mink (*Neovison vison*) in Lithuania (O49) *Nugaraitė, Dovilė*

16.30 – 17.50 PM ROOM Aula de Grados: Invasive vertebrates

- 16.30 Genetic monitoring as a tool in the management of invasive species: American mink control on the Swedish coast (O57) *Zalewski, Andrzej*
- 16.50 Coping with a multi-tropic invasion complex: anticipating counterintuitive results of alternative control strategies (O58) *Rodríguez Larrinaga, Asier*
- 17.10 Eradication of Common Mynas *Acridotheres tristis* from Denis Island, Seychelles and early responses of native species (O59) *Feare, Chris*
- 17.30 Monk parakeet spreading and first crop damage reported in Israel and Malaga (southern Spain). Is it time to sound the alarm? (O60) *Postigo Sánchez, Jose Luis*

17.50 – 18.50 PM POSTER SESSION

18.50 – 19.50 PM Discussion session: Non-target poisoning vs efficient pest control: An Exchange of experiences and learn best practices in addressing this dilemma! *Kirsten Søndergaard*

FRIDAY, 25.09.2015

09.00 – 10.00 AM PLENARY (ROOM AULA MAGNA): Integrated management of bird pests in the urban habitat: lessons from the study of feral pigeons and monk parakeets (P7) *Senar, Joan Carles*

10.00 – 11.00 AM Zoonoses and parasites

- 10.00 Rodent control as a mean to fight Lassa fever in Upper Guinea? (O42) *Fichet-Calvet, Elisabeth*
- 10.20 Rabbit haemorrhagic disease and myxomatosis in an ongoing 19 year study of the Australian turrefield (SA) rabbit population (O43) *Peacock, David*
- 10.40 Understanding the role of a tuberculosis (TB) reservoir pest: possums and TB in New Zealand native forest (O44) *Rouco Zufiaurre, Carlos*

11.00 – 11.30 AM COFFEE BREAK

11.30 – 12.50 AM Zoonoses and parasites

- 11.30 Phase and density-dependent prevalence of hantavirus infection in bank voles in 2003-2013 (O45) *Khalil, Hussein*
- 11.50 Seasonal changes in the influence of population demographics on hantavirus infections in two rodent reservoir species (O46) *Imholt, Christian*
- 12.10 Survey for zoonotic pathogens in Norway rat populations from European cities (O47) *Heuser, Elisa*
- 12.30 *Echinococcus granulosus* and other zoonotic pathogens of peri-urban wild dogs in south-east Queensland, Australia (O48) *Harriott, Lana*

12.50– 13.30 Consequences of control on non-target species. Organized by *Alexandra Esther & Mickael Sage*

- 12.50 Anticoagulant poisoning of non-target species: have things changed after implementation of the biocidal products? A French survey (O55) *Berny, Philippe*
- 13.10 Risk assessment of plant protection products for birds and mammals under the current European legislation: 'field studies' as useful tools for refined risk assessments (O56) *Bonneris, Emmanuelle*

13.30 – 15.00 PM LUNCH

15.00 – 16.00 PM Consequences of control on non-target species

- 15.20 The use of bromadiolone to control vole outbreaks is passed on to non-target species: implications for conservation policies (O52) *Lopez-Idiaquez, David*
- 15.20 Anticoagulant rodenticides: from prey to predator (O53) *Jacob, Jens*
- 15.40 Rodenticide exposure risk for predators modelled on landscapes (O54) *Elmeros, Morten*

16.00 – 16.30 PM COFFEE BREAK

16.30 – 17.50 PM Invasive vertebrates

- 16.30 Tackling the American bullfrog *Lithobates catesbeianus* invasion in Flanders, northern Belgium (O61) *Adriaens, Tim*
- 16.50 The stretch towards eradication of ruddy Ducks in Europe, an update to 2015 (O62) *Gutiérrez Expósito, Carlos*
- 17.10 Changes in the range expansion of the European starling (*Sturnus vulgaris*) in Argentina during the last 10 years (2005-2014) (O63) *Peris, Salvador*
- 17.30 Ecological impact of alien mammals in Lithuania (O65) *Paulauskas, Algimantas*

17.50 Closure Ceremony

SATURDAY, 26.09.2015

FIELD TRIP



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