



XIII Congresso Luso-Espanhol de Herpetologia
XIII Congreso Luso-Español de Herpetología
XIII Iberian Congress of Herpetology

Universidade de Aveiro

30/sep ~ 04/oct/2014

PROGRAM

TUESDAY, SEPTEMBER 30TH

09:00-12:00 Advanced course on Ecotoxicology of Amphibians and Reptiles

09:00-12:00 Advanced course on Scientific Illustration in Herpetology

13:30-16:30 Advanced courses on Modelling in Herpetology

13:30-17:00 Registration and poster set-up

17:00-17:30 Opening ceremony

17:30-18:15 **Inaugural conference:**

*From historical biogeography and shifting range borders to
phylogeography and dispersal*

Jan W. Arntzen (Naturalis Biodiversity Center, Leiden)

18:15-18:45 Oral communication session: **Systematics**

- *Patterns of genetic variation in Iberian Discoglossus: taxonomic implications* (Iñigo Martínez-Solano)
- *Unveiling extraordinary diversity – DNA Barcoding of Socotra reptiles* (Raquel Vasconcelos)

18:45-19:30 Slide show: Atlas of Amphibians and Reptiles of Mauritania

José Carlos Brito (CIBIO, University of Porto)

WEDNESDAY, OCTOBER 1ST

09:00-09:45 **Plenary conference**

Life in extreme habitats. Lizards of small islands, islets and rocks: some examples from the western Mediterranean

Claudia Corti (University of Firenze)

09:45-11:00 Oral communication session: **Phylogeography**

- *Molecular phylogeny of three Moroccan Chalcides: the C. manueli, C. montanus and C. polylepis clade* (Isabel Tavares)
- *A landscape genetics perspective on the spatial dynamics of hybridization between two species of wall lizards* (Mariana Ribeiro)
- *Evolution and phylogeography of the Acanthodactylus scutellatus species complex in North Africa* (Sara Lopes)
- *Phylogeographic patterns of the Moroccan lizard-fingered gecko Saurodactylus brosseti* (Daniela Rosado)
- *Amphibian evolutionary hotspots in the Iberian Peninsula* (Ricardo Cardoso)

11:00-11:30 Poster session and coffee break

11:30-13:00 Oral communication session: **Paleogeography and Evolution**

- *Mixed ancestries of spur-thighed tortoises in Doñana as consequence of their historic management* (Eva Graciá)
- *Pliocene-Pleistocene divergence in North-Western Maghreb and current patterns of genetic diversity and structure of the Mediterranean pond turtle (Mauremys leprosa)* (Joana Veríssimo)
- *Present and past climatic effects on the current distribution and genetic diversity of the Ribbed Newt (Pleurodeles waltl)* (A. Márcia Barbosa)
- *Fragmentation in urban populations: the effects of recent isolation on population structure and demography of Salamandra salamandra in Oviedo* (André Lourenço)
- *Trapped by climate: interglacial refuge and recent population expansion in the endemic Iberian adder Vipera seoanei* (Fernando Martínez-Freiría)
- *The mechanisms associated with speciation: diet description of Socotran reptiles* (Natalia Martín Regalado)

13:00-14:30 Lunch break (provided by the congress)

14:30-15:15 **Plenary conference**

NA2RE Project: The New Atlas of Amphibians and Reptiles in Europe

Neftalí Sillero (CICGE, University of Porto)

15:15-16:30 Oral communication session: **Biogeography and Distribution**

- *Biogeographic assessment of Psammophis schokari in North Africa: a model for assessing trans-Saharan corridors* (Duarte V. Gonçalves)
- *Do viviparous fire salamanders (Salamandra salamandra) show environmental niche divergence?* (Guillermo Velo-Antón)
- *Disposition of the population distribution of Spanish ribbed newt (Pleurodeles waltl) in Catalonia and factors influencing, attending to their abundance* (Diego Martínez-Martínez)
- *Analysis of data series (1993-2013) of tagged marine turtle Loggerhead (Caretta caretta, Linnaeus 1758) from the western Mediterranean and Gulf of Cádiz (eastern Atlantic) carried out by the IEO Large pelagic research program* (Juan A. Camiñas)
- *Sea turtle nesting in Spain: past, present and future* (Adolfo Marco)

16:30-17:00 Poster session and coffee break

17:00-19:00 Oral communication session: **Morphology and Ecophysiology**

- *Determinants of geographical body size variation in the Iberian Newt (Lissotriton boscai)* (Miguel Peñalver Alcázar)
- *How do allometry, modularity and integration determine phenotypic variation? Insights from Iberian and North African wall lizards* (Antigoni Kaliontzopoulou)
- *An inconvenient truth? Interpopulation variation but not environmental mirroring in the ecophysiology of a temperate lizard* (Miguel A. Carretero)
- *Cryptic consequences of global change: effects on health status and sensory ecology of the genus Iberolacerta* (Carlos Cabido)
- *Trade-off between sexual ornaments and immune system in Psammodromus algirus* (Alejandro Llanos-Garrido)
- *Ultraviolet radiation does not increase oxidative stress in the lizard Psammodromus algirus along an elevational gradient* (Senda Reguera)
- *Consequences of corticosterone-mediated sexual conflict in common lizards (Zootoca vivipara)* (Cristina Romero-Díaz)
- *Why is sex costly? An ecological study of a multiparasite system* (Rodrigo Megía-Palma)

19:30-20:30 Wine degustation

THURSDAY, OCTOBER 2ND

09:00-09:45 **Plenary conference**

Taxonomic and Functional Responses of Reptiles to Fire in the Mediterranean Basin

Xavier Santos (CIBIO, University of Porto)

09:45-10:30 Oral communication session: **Behaviour**

- *Role of alternative ventral coloration and UV ornaments in staged combats between males of a polychromatic population of common wall lizard (Podarcis muralis)* (Javier Abalos Alvarez)
- *Immune response and antipredatory behaviour of common midwife toad tadpoles in a gradient of urbanization* (Maider Iglesias-Carrasco)
- *A contribution to the study of the chemoreception capacity of juvenile loggerhead sea turtles (Caretta caretta, L.)* (Cláudia Sofia Moreira)

10:30-11:00 Poster session and coffee break

11:00-12:45 Oral communication session: **Ecology and Life History**

- *Demographic traits of a paedomorphic population of Pyrenean newt (Calotriton asper) living in a high altitude lake* (Sebastià Camarasa)
- *Trophic strategies of the invasive amphibian Discoglossus pictus: trophic competition or opportunism?* (Olatz San Sebastián)
- *What influences the colonization of artificial arboreal refuges by Hyla arborea?* (Rita Vale)
- *Habitat related differences in morphology, locomotion and bite force performance in the generalistic lizard Podarcis bocagei* (Verónica Gomes)
- *A compensatory response against habitat disturbances in the reproduction of the tortoise Testudo graeca* (Roberto C. Rodríguez-Caro)
- *Uncovering the rules of (reptile) species coexistence in transition zones between eco-regions* (Diana Ferreira)
- *Competitive abilities of the native Bufo calamita and the invasive Discoglossus pictus near the origin of the introduction: how is their coexistence possible?* (Eudald Pujol-Buxó)

12:45-14:15 Lunch break (provided by the congress)

14:15-15:00 **Plenary conference**

Ecopathology and zoonosis in herpetology

Albert Martínez-Silvestre (Catalonian Reptile and Amphibian Recovery Center)

15:00-16:00 Oral communication session: **Parasitology**

- *Psammodromus algirus as a reservoir for Borrelia lusitaniae, an etiologic agent of Lyme borreliosis, in Portugal* (Ana Cláudia Norte)
- *Prevalence of Hepatozoon blood parasite in Podarcis populations* (Henrique Estrela)
- *Variation in parasitaemia levels of blood parasites in reptiles endemic to the Canary Islands* (Ana Pereira)
- *Hiding deep in the blood: a survey of hemoparasites of wild endemic reptiles from Madagascar* (João Pedro Maia)

16:00-16:30 Poster session and coffee break

16:30-18:00 Oral communication session: **Ecotoxicology**

- *Low levels of chemical anthropogenic pollution may threaten amphibians by impairing predator recognition* (Nuria Polo-Cavia)
- *Green frogs inhabiting a deactivated uranium mine: how is it possible? The Cunha Baixa's case study* (Sérgio M. Marques)
- *Metal tolerance inheritance may unveils possible patterns of microevolution in amphibians populations* (Emanuele Fasola)
- *Assessment of the genetic diversity in amphibian populations from water-contaminated habitats* (Célia Neto)
- *Lipids, carotenoids and POP concentrations in eggs of the Leatherback turtle (Dermochelys coriacea): Potential influences on reproduction* (Eva Andrés Marruedo)
- *Are all relevant routes taken into account when exposing amphibian tadpoles to pesticides?* (Manuel E. Ortiz-Santaliestra)

18:00-19:30 AHE / SPH General Assemblies

FRIDAY, OCTOBER 3RD

09:00-09:45 **Plenary conference**

When amphibians become a problem – a balance of the first four years of the control and eradication plan of the African clawed frog on the streams of Oeiras Municipality

Rui Rebelo (University of Lisbon)

09:45-11:00 Oral communication session: **Invasive Species**

- *Podarcis sicula: a successful coloniser, a hazardous invader* (Iolanda Silva-Rocha)
- *Parasite spill-over from alien turtles: a new threat for autochthonous turtles* (César Ayres)
- *Control of the invasive alien species Lampropeltis californiae on the island of Gran Canaria – LIFE10NAT/ES/000565* (Ramón Gallo Barneto)
- *Was Pliny the Elder wrong? First results on the control of the invasive alien snakes in Ibiza* (Enrique Ayllón)
- *Amphibian Management in Catalonia: Control of non-native species in aquatic micro habitats in Terres de l'Ebre* (Eduardo Mieza-Paez)

11:00-11:30 Poster session and coffee break

11:30-13:30 Oral communication session: **Environmental Impacts**

- *The discovery of Batrachochytrium salamandrivorans in Belgium: personal observations and preliminary European risk assessment* (Wouter Beukema)
- *Spatial and temporal patterns of the ladder snake (Rhinechis scalaris) in electrical towers surroundings: results from a radio-telemetry monitoring* (Marcial Lorenzo Pereira)
- *Toads on roads. Study of the effects of roads in amphibians* (Marc Franch Quintana)
- *Water cisterns as death traps for amphibians and reptiles in arid environments* (Juan M. Pleguezuelos)
- *The impact of repeated-fire regimes on the reptile community at the Peneda-Gerês National Park* (Cláudia Mateus)
- *Reptile community response to thinning in plantations of Sierra Nevada (SE Iberian Peninsula)* (Jairo Stephen Azor Romero)
- *Climate change and body size in snakes from the SE Iberian Peninsula* (Cosme López Calderón)
- *Amphibian conservation in Mediterranean farmland landscape: the role of temporary ponds* (Mário Ferreira)

13:30-15:00 Lunch break (provided by the congress)

15:00-16:45 Oral communication session: **Monitoring and management**

- *Current distribution, population estimates and conservation threats of the critically endangered Pyrenean frog* (Marcos Peso-Fernández)
- *Recovering a North African endangered amphibian: guidelines for the Beni Snassen's fire salamander* (Soumia Fahd)
- *Eleven years of intensive conservation studies on native population of the western Hermann's tortoise Testudo hermanni hermanni in Albera Range* (Albert Vilardell-Bartino)
- *Sea turtles in Iberian waters: records from continental Portugal and Galicia* (Lídia Nicolau)
- *The SOS Galápagos project, more than 10 years of study of pond turtles in the Basque Country* (Xabier Buenetxea)
- *Conservation and management of the amphibian community in the Alhambra and Generalife, Granada* (Tahsin Hamad Carrasco)
- *Monitoring amphibians in PN Serra de S. Mamede: contribution of new results to the conservation status of populations* (Vitor Lima)

16:45-17:45 Poster session and coffee break

17:45-18:30 **Plenary conference**

Transferring Herpetological knowledge to Conservation Biology

Armando Loureiro (Portuguese National
Authority for Nature Conservation)

18:30-19:15 Round table: **Risk assessment and management in Herpetology**

19:15-19:30 Closing ceremony

20:30-22:30 Farewell dinner (included in the registration fee)

SATURDAY, OCTOBER 4TH

09:00-18:00 Field trip (not included in the registration fee)