

DETAILED PROGRAMME

Wednesday 5 October 2016

9:00-10:00: Reception and Registration

10:00-10:30: Congress Inauguration

10:30-11:30: First Plenary Conference. Dr. Iñigo Martínez-Solano, Estación Biológica de Doñana, CSIC.
Origin, evolution and conservation of Iberian amphibians: an integrative research program.

11:30-12:00: Coffee break

Session 1. Chairs: Iñigo Martínez-Solano and Neus Oromi

12:00-12:15: J. P. Maia, J. Makol, M. Fajfer, R. Vasconcelos. The magnifying glass of genetics when assessing the diversity and host-specificity of mites of endemic lizards from Socotra Island.

12:15-12:30: J.L. Santos, L. Machado, D. Salvi, D.J. Harris. Genetic lineages or different species? Testing taxonomy in North African geckos.

12:30-12:45: A. Sánchez-Vialas, M. Calvo-Revuelta. Hidden records: first results from a taxonomic revision of the herpetological collection of the National Museum of Natural History (CSIC).

12:45-13:00: I. Ribeiro Dias, M. Solé. Integrative inventories in the mountains of Bahia, Brazil, reveal sixteen new amphibian species.

13:00-13:15: M. Simó-Riudalbas, P. Tarroso, M. Metallinou, S. Carranza. Systematics, biogeography and evolution of the geckos of the genus *Asaccus* (Squamata, Phyllodactilidae) from the Hajar Mountains, Oman.

13:15-13:30: D. Macías, S. García-Barcelona, J.A. Camiñas, J.C. Báez. Sea turtle conservation and drifting longline fishery from the Mediterranean Sea: Results of 20 years of Onboard Observations.

13:30-13:45: S. Costa, C. Félix, J.P. da Costa, T.A.P. Rocha-Santos, A. C. Esteves, A. Alves, I. Lopes. Interactions of environmental stressors with the amphibian pathogenic agent *Saprolegnia australis*.

13:45-14:00: U. Enriquez-Urzelai, A.S. Palacio, M. Sacco, N. Mendez, A.G. Nicieza. Geographic and phylogenetic effects on thermal performance of an anuran: a test of the 'hotter is better' and 'specialist-generalist' hypotheses.

14:00-15:30: Lunch

Session 2. Chairs: Salvador Carranza and Albert Martínez-Silvestre

15:30-15:45: M. Ferreira, L. Reino, I. Martínez-Solano, P. Segurado, C. Xu and A. Márcia Barbosa. Modelling the co-occurrence of parapatric Iberian amphibians: searching for evidence of niche divergence.

15:45-16:00: K.M. Kriger. SAVE THE FROGS! – Translating Science into Action.

16:00-16:15: V. Gomes, A. Kaliontzopoulou, M.A. Carretero, X. Santos. How do repeated wild-fires influence morphology, performance and behaviour in a common lizard?

16:15-16:30: E. Graciá, A. Sanz-Aguilar, R.C. Rodríguez-Caro, A.L. García-García, F. Botella, J.D. Anadón, T. Wiegand, A. Giménez. Key biological traits and genetic consequences of range shifts: simulating early stages of the expansion of the spur-thighed tortoise (*Testudo graeca*).

16:30-16:45: K.M. Kriger. SAVE THE FROGS! Ghana: Powering Africa's Environmental Revolution.

16:45-17:00: N. Oromi, J. Michaux, M. Denoël. Facultative paedomorphosis in the palmate newt (*Lissotriton helveticus*) and the coexistence of two alternative phenotypes.

17:00-17:30: Coffee break

Session 3. Chairs: Juan M. Pleguezuelos and Antonieta Labra

17:30-17:45: A. Martínez, H.A. Blain, M.A. Rodríguez, G. Cuenca-Bescós. Body size evolution in *Bufo calamita* (Amphibia, Anura) through the last million years at the Sierra de Atapuerca (Burgos, Spain).

17:45-18:00: D. Martínez-Martínez, P. Cabanes Vizcarro, A. Vidal Ruez, A. Tarragó. Dispersion problems of the Iberian ribbed newt (*Pleurodeles waltli*) in Catalonia and management measures for its conservation.

18:00-18:15: A. Martínez-Silvestre, F. Aubret, O. Guillaume, O. Calvez, J. Clobert, C. Perrin, G. Pottier, L. Barthe, A. Altimi. ECTOPYR project: Pyrenean Ectotherms as bioindicators of the effects of climate change.

18:15-18:30: E. Recuero, A. Márcia Barbosa, G. Sánchez-Montes, I. Martínez-Solano. Integrative phylogeography of the Iberian treefrog *Hyla molleri*.

18:30-18:45: E. Mieza Paez, D. Martínez-Martínez, A. Tarragó, A. Such Sanz. Current situation and factors affecting the dispersion of *Emys orbicularis* in Sèquia Major (NE Iberian Peninsula) in syntopy with *Mauremys leprosa*.

18:45-19:00: A. Labra. Studying the vocalizations of an iguanid lizard, *Liolaemus chiliensis*.

19:00: Workshop "Reintroducción de tortugas terrestres" and "Reunión AHE-SHF tortugas marinas"

Thursday 6 October 2016

09:00-09:45: Second Plenary Conference. Prof. Dr. David M. Green. Redpath Museum, McGill University, Montreal. **Population ecology of a sand-dune amphibian, *Anaxyrus fowleri*, and the impact of long-term environmental change.**

09:45-10:00: Congress participants' photo

Session 4. Chairs: Neftalí Sillero and Adolfo Marco

10:00-10:15: M. Ortiz-Santaliestra, I. Trajcheska, L. Delaporte, C. Brühl. Determining pesticide exposure scenarios for reptiles.

10:15-10:30: G. Palomar, J. Bosch, J.M. Cano. Heritability of *Batrachochytrium dendrobatidis* burden and its genetic correlation with development time in an alpine population of Common toad (*Bufo spinosus*).

10:30-10:45: G. Sánchez-Montes, J. Wang, A.H. Ariño, J.L. Vizmanos, I. Martínez-Solano. Pedigree-based estimation of effective number of breeders in Iberian amphibians: the role of mating system in population status assessment.

10:45-11:00: F. Siqueira Campos, R. Lourenço-de-Moraes, G.A. Llorente, M. Solé. Ecological and evolutionary trade-offs for amphibian conservation in the Brazilian Atlantic Forest.

11:00-11:15: D. Villero, A. Montori, G.A. Llorente, N. Roura-Pasqual, P. Geniez, Ll. Brotons. Global warming and long-distance spread of invasive *Discoglossus pictus*: conservation implications for protected species in the Iberian Peninsula.

11:15-11:30: J. Budó, E. Capalleras, X. Capalleras. Captive breeding protocol of European pond turtle (*Emys orbicularis*) in the Albera Tortoise Breeding Centre. 20 years of experience.

11:30-12:00: Coffee break

Session 5. Chairs: Miguel Angel Carretero and Eudald Pujol-Buxó

12:00-12:15: P. Pintanel, L.M. Gutierrez-Pesquera, A. Merino-Viteri, S. Ron, G.A. Llorente, M. Tejedo. Thermal physiology in mountain tropical frogs. Climatic determinants and vulnerability to global warming.

12:15-12:30: M. Tejedo, U. Enriquez, L.M. Gutiérrez-Pesquera, P. Pintanel Costa, M.J. Piñero, A.G. Nicieza. The effect of daily thermal fluctuations on larval amphibian fitness.

12:30-12:45: S. Abalo-Morla, J. Tomás, A. Marco, O. Revuelta, E. Abella, J.A. Esteban, S. Vivas, J. Eymar, M.C. Arroyo, J.L. Crespo, F. Valdés, S. Montero, E.J. Belda. First satellite monitoring of head-started post-neonates loggerheads at the Mediterranean Sea.

12:45-13:00: A. Martínez-Silvestre, O. Guillaume, R. Velarde, M. Álamo, A. Melero. Analysis of pathological findings in the olm (*Proteus anguinus*) breeding program in Moulis caves (France).

13:00-13:15: A. Marco, E. Abella, S. Martins, L. Hawkes. Resilience of sea turtles to the impact of climate warming on nesting.

13:15-13:30: J.C. Báez, S. García-Barcelona, J.A. Camiñas, D. Macías. Update by catch per unit effort of the loggerhead turtle caught by the Spanish longline fleet from the western Mediterranean Sea.

13:30-13:45: A. Bertolero; J.Ll. Pretus, D. Oro. Assessing survival release cost in translocation projects of the Hermann's tortoise.

13:45-14:00: R. García-Roa, M. Jara, S. Baeckens, P. López, R. Van Damme, J. Martín, D. Pincheira-Donoso. Global-scale diversification of follicular glands for chemical communication in squamates.

14:00-15:30: Lunch

Session 6. Chairs: Aitor Valdeón and Delfí Sanuy

15:30-15:45: J.A. Hernández-Agüero, R. Megía-Palma. Do parasites causally affect the structural-based coloration of *Gallotia galloti*? An experiment with free-ranging lizards.

15:45-16:00: N. Sillero, G. Pérez i de Lanuza, M.A. Carretero. Ecological constraints explain geographic variation in morph diversity in a colour polymorphic lizard.

16:00-16:15: A. Valdeón, D. Sanuy. Preliminary data of the radiotracking of spadefoot toads (*Pelobates cultripes*) in Southern Navarre.

16:15-16:30: B. Antunes, G. Dias, H. Gonçalves, I. Martínez-Solano, M. Dinis, G. Velo-Antón. Genetic differentiation and niche divergence of the allopatrically isolated *Salamandra salamandra longirostris*.

16:30-16:45: X. Buenetxea Aragüés, A. R. Larrinaga. Study of a naturalized population of Spanish pond turtle (*Mauremys leprosa*) in Bizkaia province (Basque Country) (SOS GALÁPAGOS project).

16:45-17:00: I. Freitas, G. Velo-Antón, F. Martínez-Freiría. Integrating ecological, morphological and genetic variability to identify evolutionary units within *Vipera latastei-monticola*.

17:00-18:00: Poster Session and Coffee break

Session 7. Chairs: Gustavo A. Llorente and Albert Montori

18:00-18:15: A. Lourenço, I.J. Wang, G. Velo-Antón. The role of reproductive mode in dispersal capability in an amphibian species exhibiting distinct reproductive strategies.

18:15-18:30: F. Martínez-Freiría, J. Álvarez, M. Meijide, R. Zaldívar, O. Zuazo. Do species show similar distributional drivers at range margins? A comparative spatial analysis of three contact zones between Mediterranean vipers in Northern Spain.

18:30-18:45: A. Rotger, J.M. Igual, G. Tavecchia. Contrasting size-dependent life history strategies in female Balearic Wall lizards (*Podarcis lilfordi*) from insular close populations.

18:45-19:00: R. Dos Santos, A.C. Teodoro, M.A. Carretero, N. Sillero. Home range influence on escape tactics by an Iberian lizard.

19:00-19:15: M. Xipell, P. Tarroso, A. Gardner, R. Vasconcelos, P. de Pous, F. Amat, J. Šmíd, R. Sindaco, M. Metallinou, M. Simó-Riudalbas, S. Carranza. Diversity, distribution and conservation of the terrestrial reptiles of Oman.

19:15-19:30: C. Bruna-Azara. Diversity of the maxillary dentition and its evolution in "Colubrid" snakes (Colubridae s.l.) and other Colubroides, according their phylogeny.

Friday 7 October 2016

09:00-10:00: Third Plenary Conference. Dr. Brito. CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos da Universidade do Porto, Vairão. **Challenges for biodiversity conservation in the Sahara-Sahel under climate change: the ectotherm perspective.**

Session 8. Chairs: Miguel Tejedo and Manuel E. Ortiz-Santaliestra

10:00-10:15: A. Marco, E. Abella, O. Revuelta. Increasing nesting events in Spanish beaches: response to global change?

10:15-10:30: E. Pujol-Buxó, A. Kaliontzopoulou, G.A. Llorente. Adapting to newcomer competitors through fast evolution: the relative performance of native *Bufo calamita* in front of invasive *Discoglossus pictus* improves after several generations of coexistence.

10:30-10:45: J.F. Bisbal-Chinesta, H.A. Blain. Changes in the distribution and composition of the Iberian herpetofauna over the last 40.000 years: views from the fossil record.

10:45-11:00: B. Capellà, E. Pujol-Buxó, G.A. Llorente. Phenotypic plasticity and personality in the behaviour of larval anuran amphibians.

11:00-11:15: A. Ibáñez, S. Schulz, M. Menke, S. Steinfartz. Intraspecific function and diversity of lipids from femoral glands in Galápagos marine iguana populations.

11:15-11:30: E. Sanchez, M.C. Bletz, L. Duntsch, S. Bhujju, R. Geffers, M. Jarek, A.B. Dohrmann, C.C. Tebbe, S. Steinfartz, M. Vences. Cutaneous bacterial communities of the fire salamander.

11:30-12:00: Coffee break

Session 9. Chairs: Mirco Solé and Urtzi Enriquez-Urzelai

12:00-12:15: M.A. Carretero, E. García-Muñoz, E. Argaña, C. Corti, M. Arakelyan, N. Sillero, D.J. Harris, R.K. Butlin, S. Freitas. Not so asexual after all. Reproductive interaction between sympatric parthenogenetic and bisexual rock lizards from the Caucasus.

12:15-12:30: F. de Pablo, J. Méndez, A. Bertolero, J. Gonzalez, V. Pérez-Mellado. The herpetofauna monitoring program in the Biosphere Reserve of Menorca.

12:30-12:45: S. Fahd, L. García-Cardenete, J. Caro, M. Feriche, M.T. Pérez-García, X. Santos, M. Sicilia, J.M. Pleguezuelos. Mitigating accidental amphibian and reptile deaths in arid environments by restricting access to cisterns: an effective technique.

12:45-13:00: E. Fasola, I. Lopes, D. Neves Proença, P. Vasconcelos Morais. Shifts in Perez frogs' skin microbiome can be related with environmental metal pollution and frog's gender.

13:00-13:15: A. Kaliontzopoulou, G. Velo-Antón. Does the island rule drive the differentiation of wall lizards in the Atlantic Islands of Galicia?

13:15-13:30: G. Mochales Riaño, E. Pujol-Buxó, G. A. Llorente. Changes in interspecific trophic competition of an invasive anuran along its expansion.

13:30-13:45: R.C. Rodríguez-Caro, E. Graciá, A. Sanz-Aguilar, F. Botella, J.D. Anadón, T. Wiegand, A. Gimenez. The key to success: Spermatheca, the evolutionary trait to persist to fragmentation processes.

13:45-14:00: D. Buckley, I. Martínez-Solano, B. Sanchiz. Presence of Microhylidae in the Upper Eocene of Europe.

14:00-15:30: Lunch

Session 10. Chairs: Enrique Ayllón and Daniel Villero

15:30-15:45: G.Velo-Antón, A. Lourenço, P. Galán, A. Nicieza, P. Tarroso. Environmental and spatial analyses explain differences in gene flow between pueriparous and larviparous fire salamanders in a threefold contact zone across northern Iberia.

15:45-16:00: E. Ayllón, X. Santos, O. Arribas, A. Bertolero, J. Bosch, C. Cabido, S. Carranza, M.A. Carretero, C. Díaz-Paniagua, A. Egea-Serrano, I. Garin-Barrio, A. Giménez, A. Gosá. Reptile and amphibian aloctonus species and populations in Spain. Proposal for a revision of the regional and national catalogues of endangered and protected species, and the national catalogue of invasive species.

16:00-16:15: C. Feo-Quer , Q. Pou-Rovira, T. Puigvert, M. Campos, R. Casadevall, G. Dalmau, I. Camós, E. Arboix, J. Budó, E. Capelleres. Freshwater turtles control in Banyoles Lake and Ter River (Girona, Catalunya).

16:15-16:30: A. Miró, M. Ventura. Relative importance of introduced fish and spatial environmental drivers in amphibian occurrence of Pyrenean high mountain lakes.

16:30-16:45: A. Hinckley, E. Montes, E. Ayllón, J.M. Pleguezuelos. Balearic Islands, *Hemorrhois hippocrepis*, invasive species, snake, diet.

16:45-17:00: I. Silva-Rocha, D. Salvi, M.A. Carretero, G.F. Ficetola. Alien reptiles on Mediterranean: patterns and forecast.

17:00-18:00: Conclusions and Congress Closure

18:00-20:30: General Assembly of AHE and SPH

21:30: Closing Dinner

Saturday 8 October 2016

8:00: Excursion to “Congost Mont-rebei”. Departure from the building of the headquarter congress. Centre de Cultures i Cooperació Transfronterer. Return hour approx. 17:00 h.