



# 22<sup>nd</sup> European Congress of **HERPETOLOGY**



**Conference Programme**  
**4<sup>th</sup>-8<sup>th</sup> September 2023**



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## Monday 4<sup>th</sup> September 2023

ATRIUM	
14:00 – 18:00	Registration / Refreshments
18:00 – 20:00	Opening of Conference / Ice Breaker

POOL FROG ROOM	
16:00 – 17:00	Induction for session chairs

GREAT CRESTED NEWT ROOM	
17:00 – 18:00	Student activity: Drop-in session

## Tuesday 5<sup>th</sup> September 2023

ATRIUM	
09:00 – 10:00	Registration

GREAT CRESTED NEWT ROOM	
09:00 – 16:00	Student safe space: presentation practice

ADDER ROOM	
10:00 – 16:20	Safe space: Streaming of presentations from Pool frog room

POOL FROG ROOM	
Chair: John Wilkinson	
10:00 – 11:00	<b>Griffiths, R.A.</b> Reintroductions and rewilding in a changing world <a href="#">[PLENARY]</a>

ATRIUM	
11:00 – 11:40	Refreshments

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Symposium: Rewilding and reintroductions</b> Chair: Rob Ward	<b>Ecology</b> Chair: Natasha Kruger	<b>Conservation</b> Chair: Mark O'Shea
11:40 – 12:00	<b>Mizsei, E.</b> Restoration by diversification of plants on formerly ploughed low-diversity secondary grasslands enhances occupancy of the threatened Hungarian meadow viper ( <i>Vipera ursinii rakosiensis</i> )	<b>Clément, V.</b> Spatial ecology and terrestrial habitat selection of the green toad ( <i>Bufo viridis</i> ): the example of slagheaps in Eastern France	<b>Morris, R.M.</b> Do good things come to those who wait? The value of regenerating rainforest on herpetofaunal communities
12:00 – 12:20	<b>Foster, J.</b> International assisted colonisation as a response to climate change: exploring UK practitioner views on a significant conservation dilemma	<b>Budai, M.</b> Microhabitat selection of meadow and steppe vipers enlightened by digital photography and image processing to describe grassland vegetation structure	<b>Lo Parrino, E.</b> Estimating population trends from abundance and occupancy data: a comparison <b>Student</b>
12:20 – 12:40	<b>Owens, J.B.</b> A population genomic approach to assess isolated sand lizard ( <i>Lacerta agilis</i> ) populations and the implications for ex-situ conservation <b>Student</b>	<b>Valenti Martinez, A.</b> Environmental and anthropogenic factors determining the distribution of amphibian species in the upper Val d'Agri (Basilicata, Italy) <b>Student</b>	<b>Sos, T.</b> Abundance and conservation status of <i>Vipera ursinii rakosiensis</i> in Romania

12:40 – 13:00	<b>Kaczmarek, J.M.</b> An attempt to translocate the population of the green toad <i>Bufo viridis</i> from the centre of Poznań	<b>Dalgo, D.</b> Diversity of foraging niches of the Galápagos marine iguanas ( <i>Amblyrhynchus cristatus</i> ) <b>Student</b>	<b>Thomas, A.</b> Influence of stream habitat variables on distribution and abundance of tadpoles of the endangered purple frog, <i>Nasikabatrachus sahyadrensis</i> (Anura: Nasikabatrachidae) and implications on its conservation
13:00 – 13:20	<b>Kloskowski, J.</b> Urban green space planning makes a difference: amphibian species richness and diversity in a city with a green wedge design		<b>Ashpole, S.L.</b> 20-years of collaborative regional amphibian conservation efforts, South Okanagan Valley, Canada (2003 to 2023)

ATRIUM	
13:20 – 14:40	Lunch
14:40 – 15:00	Conference photo

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	Symposium: Rewilding and reintroductions Chair: Jim Foster	Herpetology Chair: Judit Vörös	Development Chair: Natasha Kruger
15:00 – 15:20	<b>Bickerton, K.T.</b> Return to Round Island: reintroducing a prey species into a system of native predator <b>Student</b>	<b>Maddock, S.T.</b> Rectal parasites, venomous amphibians, or holy creatures? Using social surveys to understand the myths and the ecology of caecilian amphibians in Indonesia	<b>Ćirković, G.</b> Preliminary results of geometric and traditional morphometric analysis of <i>Rana dalmatina</i> and <i>Rana temporaria</i> tadpoles exposed to polyethylene microplastics
15:20 – 15:40	<b>Ward, R.J.</b> Thirty years in recovery: efficacy of conservation interventions for the agile frog ( <i>Rana dalmatina</i> ) in Jersey	<b>Armfield, R.E.</b> Is bigger always better: Will we ever find a "gape-limited snake" in the fossil record? <b>Student</b>	<b>van Elsen, M.</b> Experimental predation of native and non-native fish species on different life stages of common spadefoot toad <i>Pelobates fuscus</i> and common frog <i>Rana temporaria</i> <b>Student</b>
15:40 – 16:00	<b>Smart, A.C.</b> Hissing Heathlands	<b>O'Donnell, M.J.</b> Filtering for frogs: Trials and tribulations for eDNA monitoring in the tropics <b>Student</b>	<b>Dimitrova, B.</b> Negative effects of high concentrations of ammonium nitrate on survival, growth and activity in <i>Rana dalmatina</i> tadpoles are not reflected in high avoidance <b>Student</b>

16:00 – 16:20	<b>Petrovan, S.O.</b> Evidence-based guidelines for mitigating the impact of roads on herpetofauna- a novel and transparent tool for practitioners	<b>Lobón-Rovira, J.</b> Unveiling cranial diversity and its evolutionary history on a non-adaptive radiation of dwarf geckos	<b>Eterovick, P.C.</b> Interactive effect of thermic and pollution stress on tadpole gut microbiome
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GREAT CRESTED NEWT ROOM	
16:40 – 18:00	Speed Networking activity

SMOOTH SNAKE ROOM	
16:40 – 19:00	European Board of Herpetological Societies meeting

ATRIUM	
19:00 – 21:00	Alcohol-free social





## Wednesday 6<sup>th</sup> September 2023

ATRIUM	
09:00 – 11:40	Registration

GREAT CRESTED NEWT ROOM	
09:00 – 14:40	Student safe space: presentation practice

ADDER ROOM	
09:20 – 16:00	Safe space: Streaming of presentations from Pool frog room

POOL FROG ROOM	
Chair: Rémi Martin	
09:20 – 10:00	<b>Mark O'Shea</b> Amphibian and reptile art in mixture: adventures in herpeto-philately
10:00 – 11:00	<b>NGO Spotlight</b>

SMOOTH SNAKE ROOM	
09:20 – 11:40	SEH Council Meeting

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Population Genetics</b> Chair: Simon Maddock	<b>Disease</b> Chair: Aaron Bauer	<b>Ecology</b> Chair: Dušan Jelić
11:40 – 12:00	<b>Antunes, B.</b> Habitat connectivity inferred from landscape genetic models at multiple spatial and temporal scales in two newt species ( <i>Lissotriton montandoni</i> and <i>L. vulgaris</i> ) <small>Student</small>	<b>Erens, J.</b> Divergent population responses following salamander mass mortalities and declines driven by the emerging pathogen <i>Batrachochytrium salamandrivorans</i> <small>Student</small>	<b>Wenner, B.</b> Feeding habits of the smooth snake ( <i>Coronella austriaca</i> ) and the effect of prey availability on its habitat choice in the Felső-Kiskunság Turjánvidék <small>Student</small>
12:00 – 12:20	<b>Martin, R.</b> Broad scale population genetics of the common toad ( <i>Bufo bufo</i> ) in Britain <small>Student</small>	<b>Reinhardt, T.</b> Phoenix from the ashes – hope for the fire salamander?	<b>Martínez-Freiría, F.</b> Reproductive ecology of Western Mediterranean vipers ( <i>Vipera aspis</i> and <i>V. latastei</i> ) in two contact zones in northern Spain
12:20 – 12:40	<b>Uesseler, F.S.</b> Population genomics of Galápagos marine iguanas: Seeking footprints of local adaptation and gene flow <small>Student</small>	<b>Coutinho, C.D.</b> Dynamics of Ranavirus in ecosystem invaded by <i>Xenopus laevis</i> <small>Student</small>	<b>Speybroeck, J.</b> How much is enough? The role of sampling effort in capture-mark-recapture studies of great crested newt <i>Triturus cristatus</i> in Flanders (Belgium)
12:40 – 13:00	<b>Hester, R.</b> Utilising genomics to unravel the invasion history of the non-native alpine newt <i>Ichthyosaura alpestris</i> in the UK <small>Student</small>	<b>Klynova, O.</b> The first report about the spread of snake fungal disease (SFD) in Ukraine <small>Student</small>	<b>Glover, N.G.</b> Wildlife detection dogs, a viable method to locate great crested newts <i>Triturus cristatus</i> at distance and through substrate? <small>Student</small>

13:00 – 13:20	<b>Duchatel, C.</b> Genetics and demography of fragmented adder ( <i>Vipera berus</i> ) populations in the Netherlands Student	<b>Jeffrey, L.</b> Aesculapian snakes ( <i>Zamenis longissimus</i> ) show a preference for anthropogenic features in their introduced range in North Wales Student
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ATRIUM	
13:20 – 14:40	Lunch

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Evolution – adaptation</b> Chair: María Torres-Sánchez	<b>Herpetology</b> Chair: Hinrich Kaiser	<b>Workshop</b> STEM Response Team
14:40 – 15:00	<b>Gower, D.J.</b> Retinas and the early evolutionary history of snakes	<b>Mancuso, M.</b> Resistance is not futile: Widespread convergent evolution of resistance to alpha-neurotoxic snake venoms in caecilians (Amphibia: Gymnophiona) <a href="#">[Virtual]</a>	<b>Research Communication for Outreach</b>
15:00 – 15:20	<b>Simões, B.F.</b> Molecular evolution of vision in lizards and snakes	<b>Parmar, D.</b> Egg incubation of some Indian squamate reptiles from The Western Ghats, India.	

15:20 – 15:40	<b>Zaman, S.</b> Recurrent evolution of adhesive skin-secreted defence systems in amphibians <i>Student</i>	<b>Julian, A.M.</b> 'Dragons in the Hills': engaging citizen science and community action to conserve Northern Ireland's amphibians and reptiles	
15:40 – 16:00	<b>Vicent-Castelló, P.</b> Walking or hanging: how body shape evolution is moulded by habitat use in lacertid lizards <i>Student</i>	<b>de Celis, A.</b> A geometric morphometric approach to palatal ontogeny in Crocodylia	

ATRIUM	
16:00 – 18:00	Poster Session 1

SMOOTH SNAKE ROOM	
18:00 – 20:00	Reptile & Amphibian Conservation Europe meeting

## Thursday 7<sup>th</sup> September 2023

ATRIUM	
09:40 – 10:00	Registration

GREAT CRESTED NEWT ROOM	
09:00 – 13:00	Student safe space: presentation practice

ADDER ROOM	
10:00 – 16:00	Safe space: Streaming of presentations from Pool frog room

POOL FROG ROOM	
Chair: Deepak Veerappan	
10:00 – 11:00	<b>Campbell, P.D. &amp; Streicher, J.W.</b> The role of museum collections in 21st century herpetology <a href="#">[PLENARY]</a>

ATRIUM	
11:00 – 11:40	Refreshments

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Symposium: The role of museums in the age of extinction</b> Chairs: Jeffrey Streicher & Patrick Campbell	<b>Herpetology</b> Chair: Andreas Maletzky	<b>Physiology</b> Chair: Frances Orton
11:40 – 12:00	<b>Fritz, U.</b> Time travel through 20 years of using herpetological collections for DNA sequencing	<b>Patro, S.</b> How do lizards talk? Integration of signalling traits in a complex signalling system <b>[VIRTUAL]</b>	<b>Di Canio, V.</b> Anthropogenic and genetic impacts on stress-related traits in the Italian wall lizard ( <i>Podarcis siculus</i> ) <i>Student</i>
12:00 – 12:20	<b>Jensen, E.</b> Museomics enabled conservation of the Galapagos giant tortoises	<b>Smolinský, R.</b> Tough life of sand lizard females during the reproduction season	<b>Üveges, B.</b> Does the glucocorticoid stress response make toads more toxic? An experimental study on the regulation of bufadienolide toxin synthesis
12:20 – 12:40	<b>Petzold, A.</b> Solving taxonomic cold-cases with museomics: calling in genetic data from name-bearing types for a revision of cophyline frogs (Microhylidae: Cophylinae)	<b>Barzaghi, B.</b> Study on the differences of Body Mass Index between olms found in cave and the ones sampled in spring	<b>Bettencourt-Amarante, S.</b> The impact of anthropogenic changes on amphibians <i>Student</i>

12:40 – 13:00	<b>Deepak, V.</b> Mitochondrial and nuclear DNA from historic museum samples of Asian softshell turtles	<b>Martínez-Freiría, F.</b> Microclimate variables deepen our understanding of distributional patterns of five viper species at a contact zone in South-Western Morocco	<b>Martin, C.M.</b> Chemical pollution and oxidative stress in amphibians across life stages
13:00 – 13:20	<b>Wilkinson, M.</b> On <i>Herpele</i> (Amphibia: Gymnophiona: Herpelidae)		<b>Merleau, L-A.</b> Where and When? Determinants of pesticide concentrations in a threatened freshwater turtle ( <i>Emys orbicularis</i> ) in the Camargue Wetland, France <b>Student</b>

ATRIUM	
13:20 – 14:40	Lunch

SMOOTH SNAKE ROOM	
14:00 – 16:00	SEH Conservation Committee meeting

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Symposium: The role of museums in the age of extinction</b> Chairs: Jeffrey Streicher & Patrick Campbell	<b>Disease – UK</b> Chair: Alice Pawlik	<b>Conservation</b> Chair: Natasha Kruger
14:40 – 15:00	<b>Bauer, A.M.</b> Bones of a giant: The osteology of the extinct Cape Verdean skink <i>Chioninia coctei</i>	<b>Allain, S.J.R.</b> The impacts of ophidiomycosis on the survival and detection of the barred grass snake ( <i>Natrix helvetica</i> ), at a site in Eastern England	<b>Zinenko, O.</b> Impact of Russia's war of aggression against Ukraine on nature and herpetology [VIRTUAL]
15:00 – 15:20	<b>Hallermann, J.</b> A review of the house snakes of East and Northeast Africa - a further step to unscramble the <i>Boaedon fuliginosus</i> species complex	<b>Hesten, A.</b> Understanding disease risk in the UK pet trade of reptiles and amphibians <small>Student</small>	<b>Ursenbacher, S.</b> Swiss reptile Red List - monitoring of 303 square kilometres to evaluate the decrease of species distribution
15:20 – 15:40	<b>Sørensen, P.</b> Ventral scales numbers, anomalies and body mass index in three sympatric snake species within Norway	<b>St Roas, M.</b> Agent-based models to explore Ranavirus infection outcomes in UK common frog populations <small>Student</small>	<b>Petrovan, S.O.</b> Four decade decline of a widespread amphibian in Britain and Switzerland
15:40 – 16:00	<b>Neokleous, D.N.</b> Uncovering the cryptic diversity of "ugly brown frogs" on Borneo		<b>Miccolis, E.</b> Shedding light on diel patterns: extinction risk and daily temporal activity of European amphibians



**ATRIUM**

16:00 – 18:00

**Poster Session 2**

**MOLINEUX STADIUM**

19:00 – late

**Gala Dinner**

## Friday 8<sup>th</sup> September 2023

ATRIUM	
09:40 – 10:00	Registration

POOL FROG ROOM Chair: Natasha Kruger	
10:00 – 11:00	<b>Katharina Wollenberg Valero</b> Functional genomics of abiotic environmental adaptation in lacertid lizards (and other vertebrates) <a href="#">[PLENARY]</a>

ADDER ROOM	
10:00 – 16:00	Safe space: Streaming of presentations from Pool frog room

ATRIUM	
11:00 – 11:40	Refreshments

	POOL FROG ROOM	SAND LIZARD ROOM	NATTERJACK TOAD ROOM
	<b>Symposium: Adapting to a changing climate</b> Chair: Katharina Ruthsatz	<b>Herpetology</b> Chair: Angela Julian	<b>Biogeography</b> Chair: Simon Maddock
11:40 - 12:00	<b>Muraro, M.</b> Reproductive responses of <i>Rana dalmatina</i> and <i>Rana latastei</i> to drought conditions	<b>Spawls, S.</b> The unique forest and montane herpetofauna of Ethiopia	<b>Ghosh, A.</b> Independent origin or single dispersal? Phylogenetic study supports early Cenozoic origin of three endemic Indo-Sri Lankan lygosomine (Reptilia, Scincidae) skink genera [VIRTUAL]
12:00 - 12:20	<b>Raselimanana, M.</b> The heat is on! Mild winter temperatures increase behavioural response in hibernating wall lizards <small>Student</small>	<b>Dittrich, C.</b> Spot(s) on: Are larger spots more effective against predation in an aposematic amphibian?	<b>Hurtado-Gómez, J.P.</b> Diversity and biogeography of South American mud turtles elucidated by multilocus DNA sequencing (Testudines: Kinosternidae) <small>Student</small>
12:20 - 12:40	<b>Freitas, I.</b> Physiological adaptations of Western Mediterranean vipers and their hybrids at contact zones suggest distinct vulnerability to climate change <small>Student</small>	<b>Sørensen, P.</b> Different body size, sexual size dimorphism, and reproductive strategy in two populations of the smooth snake <i>Coronella austriaca</i> Laurenti 1768	<b>Dinis, M.</b> Recurrent introgression and multiple waves of colonization: the puzzling biogeographic history of a North Palearctic disjunction in <i>Salamandra salamandra</i>
12:40 - 13:00	<b>Araspin, L.</b> Locomotion and physiology depending on temperature in <i>Xenopus laevis</i> native and invasive populations <small>Student</small>	<b>Halpern, B.</b> Individual behavioural variation of juvenile Hungarian meadow vipers ( <i>Vipera ursinii rakosiensis</i> )	<b>Brennan, I.G.</b> Populating a continent: Phylogenomics reveal the timing of Australian frog diversification

13:00 - 13:20	<b>Johansen, B.S.</b> Earlier parturition date with warmer summers for smooth snakes ( <i>Coronella austriaca</i> ) in Norway	<b>Suyesh, R.</b> A 'telescopic' perspective on amphibian behaviour through the use of bioacoustics: A case study of the harlequin tree frog ( <i>Rhacophorus pardalis</i> ) from Borneo, Malaysia	<b>Martínez-Gil, H.</b> Diversification patterns of the Palearctic true frogs ( <i>Rana</i> ): climatic and morphological evolution of two parallel radiations <b>Student</b>
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ATRIUM	
13:20 - 14:40	Lunch

	POOL FROG ROOM	SAND LIZARD ROOM	SMOOTH SNAKE ROOM
	<b>Symposium: Adapting to a changing climate</b> Chair: Katharina Wollenberg Valero	<b>Systematics</b> Chair: Deepak Veerappan	<b>Workshop</b> Chair: Local Organising Committee
14:40 - 15:00	<b>Ruthsatz, K.</b> Toads on ice: winter climate change affects the physiology of <i>Bufo bufo</i> during reproductive season	<b>Kaiser, H.</b> Slithering across the Wallace Line into Australia and Melanesia: a new phylogeny and a biogeographic scenario for groundsnakes, genus <i>Stegonotus</i>	<b>Diversity, Equity and Inclusion (DEI) in Herpetology</b>
15:00 - 15:20	<b>Turner, R.K.</b> Is a changing climate shaping herpetofauna ecology? Using community science to track changes in UK species' phenology <b>Student</b>	<b>Bates, M.F.</b> Three new species of flat geckos ( <i>Afroedura</i> ) from the Eastern Cape Province of South Africa	

15:20 - 15:40	<b>Gilbert, E.</b> Unravelling stress and the environment: what contributes to baseline stress markers in the Tenerife lizard ( <i>Gallotia galloti</i> ) <b>Student</b>	<b>O'Shea, M.</b> Untangling the Bootlaces: New eyes and ideas for solving an old problem in the Papuan elapid genus <i>Toxicocalamus</i> (Elapidae, Hydrophiinae)	
15:40 - 16:00	<b>Delgadillo, A.</b> Desiccation risk responses in tadpoles of a tropical extreme environment: the inselbergs in Colombian Orinoquía		

ATRIUM	
16:00 – 17:00	Awards / Conference closing

## Poster session 1 (Wednesday 6<sup>th</sup> September)

<b>Mészáros, B.</b> Snakes living in urban habitats: effects of urban environment on the developmental stability, condition and size of dice snakes ( <i>Natrix tessellata</i> ) living in a human-modified shoreline	<b>Berlijn, B.D.</b> The importance of education in herpetofaunal conservation
<b>Gemeinhardt, L.</b> How to standardise fire salamander research, get the help of citizen scientists but minimise the risk of spreading the "Salamander Plague" <b>Student</b>	<b>Kovács, T.</b> Frogs, Beavers and Wastewater
<b>Lukanov, S.</b> Effect of continuous winter activity on body condition in <i>Triturus ivanbureschi</i>	<b>Drăgan, O.</b> Fish introduction in mountain lakes and its effect on amphibian communities
<b>Nekrasova, O.D.</b> Modelling the distribution of the natterjack toad, <i>Epidalea calamita</i> (Laurenti, 1768), in Europe: Accounting for connectivity suitability and dispersal	<b>Julian, A.</b> 'Stowaway' data for amphibians, reptiles, and invertebrates entering the United Kingdom from 2018-23; highlighting introductions of potentially invasive species, risks to public safety, and other ecological and conservation impacts
<b>Torres-Sánchez, M.</b> Using museum specimens to understand ecological and evolutionary consequences of local extinction in salamander communities	<b>Czurda, J.</b> Anuran phylogeographic patterns in Congo Basin rainforests <b>Student</b>
<b>Bjelica, V.</b> Preliminary results indicate localized adaptation in the duration of unkenreflex in fire-bellied toads ( <i>Bombina bombina</i> , Bombinatoridae) <b>Student</b>	<b>V. Deepak.</b> Unveiling hidden diversity: Herpetological explorations in Northeast India

<b>Jordan, E.A.</b> Using expert elicitation to estimate habitat suitability for the translocation of a newly described skink species <b>Student</b>	<b>Florina, S.</b> Age estimation in non-avian reptiles using growth marks in skeletal and non-skeletal hard tissues
<b>Coutinho, C.D.</b> Buccal swabbing as a refined method for Ranavirus screening in fish <b>Student</b>	<b>Cogalniceanu, D.</b> Age and growth-size variation in the common frog across a latitudinal gradient
<b>de Celis, A.</b> Optimising the molecular phylogeny of Crocodylia	<b>Donnan, R.</b> The freeloaders of toads: Parasite diversity in UK populations of <i>Bufo bufo</i> <b>Student</b>
<b>Head, O.</b> Visual evolution in subterranean lizards <b>Student</b>	<b>Simpson, S.</b> Turtle Tally UK Citizen Science: 5 years monitoring introduced pet terrapins in the UK
<b>Fernández, S.P.</b> Unveiling the spatial ecology and conservation implications of <i>Bufo balearicus</i> (Boettger, 1880) in the Balearic Islands: Insights from capture, mark, and recapture studies	<b>Attewell-Hughes, C.R.I.</b> Effects of water temperature on growth and development in tadpoles of red eyed tree frogs <b>Student</b>
<b>Kásler, A.</b> The joint effects of mild winter conditions and two pyrethroid insecticides on the development and survival of juvenile common toads ( <i>Bufo bufo</i> ) <b>Student</b>	<b>Freitas, I.</b> Comparing genetic and morphological patterns between the Western Mediterranean vipers, <i>Vipera aspis</i> and <i>V. latastei</i> across a hybrid zone in northern Spain <b>Student</b>
<b>Ujszegi, J.</b> Sex ratio in the presence of the chytrid fungus ( <i>Batrachochytrium dendrobatidis</i> ) in a common European amphibian	<b>Sherlock, M.</b> Genomic phylogeography of the Iberian frog <i>Rana iberica</i> <b>Student</b>

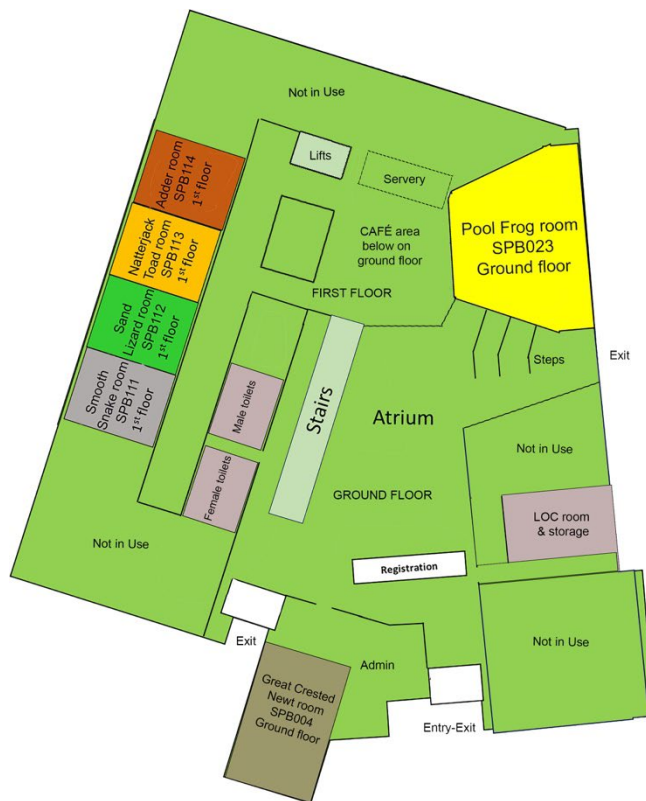
## Poster session 2 (Thursday 7<sup>th</sup> September)

<b>Ashpole, S.L.</b> Global amphibian decline: Applying a research focused mixed-method pedagogical approach to undergraduate learning	<b>Mahlow, K.</b> Ontogenetic development of skull shape in <i>Bothrops jararaca</i> , with special emphasis on the pit organ and the venom gland
<b>Budai, M.</b> Reconstruction and comparison of the flora of the former and existing habitats of the Hungarian meadow viper ( <i>Vipera ursinii rakosiensis</i> ) <b>Student</b>	<b>Joudrier, N.</b> Unravelling the disease ecology of <i>Ophidiomyces ophidiicola</i> : high genetic variability and ecological basis of the agent of snake fungal disease
<b>Göktaş, M.C.</b> Classification of the Marmaris lycian salamander, <i>Lyciasalamandra flavimembris</i> and Göcek lycian salamander, <i>Lyciasalamandra fazilae</i> by an electronic nose	<b>Mizsei, E.</b> Weather conditions and detection probability in the occupancy monitoring of the Hungarian meadow viper ( <i>Vipera ursinii rakosiensis</i> ) and other reptile species
<b>Darkin, J.</b> Mitochondrial phylogeography of the common toad ( <i>Bufo bufo</i> ) in Britain <b>Student</b>	<b>Nečas, T.</b> The first molecular analysis of the Lanza's frog ( <i>Lanzarana largeni</i> ) from the Horn of Africa supports its unique position in the family Ptychadenidae <b>Student</b>
<b>Fănar, G.</b> How long is a snake? Comparison of different measurement methods	<b>North, A.</b> Key informant surveys demonstrate biases and benefits for invasives species rapid status assessments <b>Student</b>
<b>Fernández, S.P.</b> Photo-identification of <i>Bufo balearicus</i> (Boettger, 1880) using individual colour patterns for population studies	<b>Nygaard, M.</b> Natural history museum collections as an untapped reservoir for pathogen studies: a case study of snake fungal disease in Norway
<b>Gherghel, I.</b> Exploring climate change impact on phenotypic diversity and geographic distribution in the sand lizard ( <i>Lacerta agilis</i> )	<b>O'Brien, A.R.</b> Diversity of <i>Anolis</i> lizards in Cusuco National Park, Honduras



<b>Gray, R.</b> Speciation, hybridization and introgression as evolutionary processes in Galapagos giant tortoise <b>Student</b>	<b>Rees, J.P.G.</b> The evolutionary and morphological constraints of arboreality in geckos <b>Student</b>
<b>Kaczmariski, M.</b> Increasingly cautious sampling, not the black colouration of unpalatable prey, is used by fish in avoidance learning	<b>Russo, G.</b> Anatomical and molecular characterisation of <i>Strophurus ciliaris</i> tail regrowth
<b>O'Shea, M.</b> Hidden diversity and natural history of the secretive New Guinean worm-eating snakes, genus <i>Toxicocalamus</i> (Elapidae: Hydrophiinae), revisited	<b>Sos, T.</b> Within-individual variance and population-level repeatability of the voluntary thermal maximum of grassland vipers ( <i>Vipera</i> sp.)
<b>Kovács, G.</b> Community-level response of reptiles to grassland reconstruction to connect isolated Hungarian meadow viper habitats <b>Student</b>	<b>Wenner, B.</b> Predation pressure on the endangered Hungarian meadow viper ( <i>Vipera ursinii rakosiensis</i> ) in grazed and mowed grassland habitats: insights from plasticine models <b>Student</b>
<b>Kovács, T.</b> Range reduction of <i>Rana temporaria</i> in Pilis Hills, Hungary, after 22 years of monitoring	<b>Parmar, D.</b> Human-snake conflict mitigation data sheds light on snake occurrence patterns in a peri-urban setting in western India.
<b>Lukanov, S.</b> Initial toxicological characterization of the skin secretion of Buresch's crested newt ( <i>Triturus ivanbureschi</i> )	<b>Oungbe, K.V.</b> Specific diversity of Helminth parasites of the edible frog <i>Hoplobatrachus occipitalis</i> (Günther, 1858) in an agricultural environment in the south-east of Ivory Coast, Africa

## Map of Springfield Campus SPB building



**Atrium** – Ground floor

**Pool Frog room** – SPB023 ground floor

**Great Crested Newt room** – SPB004 ground floor

**Smooth Snake room** – SPB111 first floor

**Sand Lizard room** – SPB112 first floor

**Natterjack Toad room** – SPB113 first floor

**Adder room** – SPB114 first floor

## Organisation

**Local Organising Committee:** Alice Pawlik, Deepak Veerappan, John Wilkinson, Kate Faulkner, Mark O'Shea, Natasha Kruger, Rebecca Morris, Rémi Martin, Sharon Newill, Simon Maddock

**Scientific Committee:** Anita Malhotra, Anthony Herrel, Borislov Naumov, Claudia Corti, Daniel Jablonski, David Gower, Dušan Jelić, Flora Ihlow, Frances Orton, Jelka Crnobrnja-Isailović, Karen Siu Ting, Katharina Ruthsatz, María Torres-Sánchez, Melita Vamberger, Robert Jehle, Trent Garner, Václav Gvoždík, Xavier Harrison

**Student Volunteers:** Joshua Darkin, Luke Risbey, Millie Berry, Nerinea Klebs, Nicole Grimason, Rebecca Donnan

**SEH Council:** Andreas Maletzky, Antigoni Kaliontzopoulou, Claudia Koch, Dušan Jelić, Eva Ringler, Gentile Francesco Ficetola, Hinrich Kaiser, José Carlos Brito Vörös, Judit Vörös, Salvador Carranza

## Notes

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