



XX European Congress
of Herpetology
Milan, 2-6 September 2019

SCIENTIFIC PROGRAM



mnm Museo di Storia
Naturale di Milano

Organising Institutions:

Societas Europaea Herpetologica (www.sch-herpetology.org)

Università degli Studi di Milano (www.unimi.it)

Università degli Studi di Pavia (www.unipv.it)

Museo di Storia Naturale di Milano (<https://www.comune.milano.it/museostorianaturale/>)

Università degli Studi di Milano-Bicocca (www.unimib.it)

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Schedule overview

Mon, 2nd			
10:00-18:00	Registration (congress venue, V. Clericetti 2)		
18:30-21:00	Welcome party (Museum of Natural History, Corso Venezia 55)		
Tue, 3rd			
(congress venue, V. Clericetti 2)			
	Aula Levi	Room 501	Room 502
9:00-9:30	Opening		
9:30-10:15	Plenary (Uller)		
10:15-10:45	Coffee break		
10:45-12:30	Ecology and Ethology		
12:30-14:00	Lunch break	Conservation	Biogeography & Distributions
14:00-16:00	Ecology and Ethology		
16:00-16:30	Coffee break	Conservation	Morphology & Physiology
16:30-18:00	Ecology and Ethology		
Wed, 4th		Conservation	Morphology & Physiology
9:00-9:45	Plenary (Schmidt)		
9:45-10:30	Evolution & Phylogeny		
10:30-11:00	Coffee break	Response plan to Bsal	Herps in islands
11:00-12:30	Evolution & Phylogeny		
12:30-14:00	Lunch break	Response plan to Bsal	Herps in islands
14:00-14:30	SEH is 40! (Böhme)		
14:45-18:00	Poster session		
Thu, 5th			
9:00-9:45	Plenary (Crottini)		
9:45-10:30	Evolution & Phylogeny		
10:30-11:00	Coffee break	Agricultural landscapes	Redlists
11:00-12:30	Evolution & Phylogeny		
12:30-14:00	Lunch break	Agricultural landscapes	Redlists
14:00-16:00	Evolution & Phylogeny		
16:00-16:30	Coffee break	Methods	Redlists
16:30-18:30	SEH general meeting		
19:30-23:00	Social Dinner (Via Brera)		
Fri, 6th			
9:00-9:45	Plenary (Measey)		
9:45-10:30	Ecology and Ethology		
10:30-11:00	Coffee break	Hybrid zones	Osteology
11:00-12:30	Ecology and Ethology		
12:30-14:00	Lunch break	Hybrid zones	Osteology
14:00-15:15	Ecology and Ethology		
15:15-16:00	Coffee break	Hybrid zones	Osteology
16:00-17:00	Closing and awards ceremony		

Detailed program

Tuesday, 3rd			
	Aula Levi	Room 501	Room 502
9:00-9:30	Opening ceremony		
9:30-10:15	Plenary: T. Uller Evolutionary origin and spread of a sexually selected phenotype		
10:15-10:45	Coffee break		
	Ecology and Ethology	Conservation	Biogeography & Distributions
10:45-11:00	M. D. Barquero et al. Effect of temperature on the visual displays of the Jacky Dragon	F. Andreone et al. A conservation strategy for the amphibians of Madagascar: old and new threats in an iconic biodiversity-rich country	D. Chamorro et al. Forecasting distributions and competitive interactions for European vipers
11:00-11:15	V. Bjelica et al. Turning, tugging, running and reversing: survival strategies of the European Pond Turtle	F. Belluardo et al. Characterization of the herpetological diversity of the Andringitra Massif (South-East Madagascar)	U. Enriquez-Urzelai et al. Does geography rule over biology? Lessons from the diversification of green lizards
11:15-11:30	G. Blouin-Demers & J. E. Paterson Density-dependent habitat selection predicts fitness and abundance in a small lizard	G. Deso et al. The Tyrrhenian painted frog (<i>Discoglossus sardus tschudi</i>) in the Port-Cros National Park (France): definition of a monitoring protocol, past and present distributions, potential threats and management measures	P. Ginal et al. Ecophysiology predicts the fundamental niche of native and invasive populations of the African clawed frog (<i>Xenopus laevis</i>)
11:30-11:45	M. A. Carretero et al. Infection of parthenogenetic lizards by blood parasites does not support the "red queen hypothesis" but reveals the costs of sex	A. Kozakova et al. Cost-effective analysis of mitigation measures for amphibian protection on roads	Y. V. Kornilev et al. Updated distribution and ecology of the Alpine newt (<i>Ichthyosaura alpestris</i> , Laurenti, 1768) (Amphibia: Salamandridae) in Bulgaria
11:45-12:00	V. Clement et al. Climatic preferences of a sand lizard population (<i>Lacerta agilis linnaeus</i> 1758) in western Germany	M. Ferreira et al. Incorporating evolutionary history into conservation planning – the case of Madagascar's mantellids	M. Solé et al. Ignored for centuries: why is our knowledge on bromeliad frogs from Brazil so poor?
12:00-12:15	U. Dajčman et al. Does sympatry influence the parasite prevalence and parasite load in two competing lacertids?	J. Foster et al. Progress and challenges in restoring a nationally extinct species: <i>Pelophylax lessonae</i> in the UK	
12:15-12:30	M. Denoël & H. Cayuela Conservation ecology of crested newts: High site infidelity in a network of small ponds	D. Guinart et al. An endemic newt (<i>Calotriton arnoldi</i>) as a tool for conservation of riverside habitat	
12:30-14:00	Lunch break		
	Ecology and Ethology	Conservation	Morphology & Physiology
14:00-14:15	C. Ditttrich & M.-O. Rödel You can't always get what you want – female mate choice in the European common frog	J. Hall et al. Wind farms – a neglected opportunity for viper conservation?	I. Avella et al. Evolving trends in snake venom research: a review of the last 60 years of publications
14:15-14:30	C. Ducotterd et al. Metabarcoding as a tool to determine feeding behaviour – is the European pond turtle a threat for other endangered species?	A.M.Hantzschmann & U. Sinsch Focussing on yellow-bellied toad (<i>B. variegata</i>) populations in the Westerwald region – consequences for regional species conservation management	S. Baškiera & L. Gvoždík Repeatability but not heritability of metabolic rate in the Alpine newt

14:30-14:45	A. Gini et al. First observation of convergent character displacement in a syntopic community of two Italian lizards: <i>Podarcis muralis</i> and <i>P. siculus</i>	J. Herder & R. Van Leeningen Data from long term toad patrols show moderate decline of common toad (<i>Bufo bufo</i>) in the Netherlands	L. B. Mali et al. Chronology of limb regeneration in captive born juvenile of the European blind cave salamander
14:45-15:00	O. J. Glavaš et al. Influence of copper on frogs' early development	J. Kovarik et al. Herpetofauna and road construction – complex mitigation measures	C. Dursun et al. High or low? A test of the relations between altitude and keratinized spines
15:00-15:15	M. Glogoški et al. Differences in behaviour of two lacertids in competitive relationship: <i>P. siculus</i> and <i>P. melisellensis</i>	A. Krása New locality of <i>Zamenis longissimus</i> in the Czech Republic	L. Coppari et al. Quantitative and structural variation in skin secreted toxins across populations of the frog <i>Bombina pachypus</i> (Anura: Bombinatoridae)
15:15-15:30	G. Gollmann & B. Gollmann Twenty-four years, fourteen thousand toads: An interim report of a population study on <i>Bombina variegata</i>	D. O'Brien et al. Constructed urban wetlands can support healthy amphibian populations but do they bring people into contact with nature?	M. Hlubeň et al. Evolution and causes of variability in evaporative water loss in eyelid geckos (Eublepharidae)
15:30-15:45	A. Golubović et al. Oscar deserving performance: death-feigning in dice snakes	K. Poboljšaj Amphibians & roads - in pursuit of the common objectives	N. T. Kolarov et al. Patterns of correlations and locomotor specialization in anuran limbs: association with phylogeny and ecology
15:45-16:00	J. Kloskowski et al. Costly avoidance: anuran spatial antipredator responses against fish at the oviposition and larval stages	M. Pabijan et al. Decline in amphibian abundance and biomass in Niepolomice Forest (S Poland) over a 50 year period	F. C. Origgi et al. Rapid herpesvirus 3 and Bufonid herpesvirus 1, two new viral agents associated with proliferative skin disease in free ranging common frogs (<i>Rana temporaria</i>) and common toads (<i>Bufo bufo</i>) in Europe
16:00-16:30	Coffee break		
16:30-16:45	T. Koppetsch et al. To stick or not to stick: functional ecomorphology of limbs and tail and their significance for locomotion in three species of eublepharid geckos (Squamata: Sauria: Eublepharidae)	R. Rozinek et al. Lowering <i>Bd</i> prevalence as a part of mitigation measures	R. A. Regnet et al. Population structure and ventral polychromatism of <i>Helicops infrataeniatus</i> Jan, 1865 (Serpentes, Dipsadidae) in subtropical Brazil
16:45-17:00	B. Lejeune et al. Progenesis as an intrinsic factor of ecological opportunity in newts	M. Van Schingen et al. Herpetofauna conservation in the light of international trade: the perspective of governmental conservationists	K. Ruthsatz et al. Energetic efficiency of metamorphosis in <i>Rana temporaria</i>
17:00-17:15	E. Lunghi et al. Can the Eltonian niche be predicted? A test with sardinian cave salamanders	A. Spitzen – Van Der Sluijs & Tariq Stark How (and why) to detect infectious diseases?	N. Serén et al. How (will) ectotherms cope with changing environments? A test with a lizard under contrasting ecological pressures
17:15-17:30	E. Mizsei & A. Móré Predation on the endangered Hungarian meadow viper (<i>Vipera ursinii rakosiensis</i>) by badger (<i>Meles meles</i>) and fox (<i>Vulpes vulpes</i>)	M. Szabolcs et al. Balkan herps project: spatial conservation priorities for the amphibians and reptiles in the Balkan peninsula	A. S'Khifa et al. Ecophysiological traits of lacertidae lizards in extreme environments in Morocco
17:30-17:45	L. M. Schulte & F. Bossuyt Sex-pheromones in neotropical frogs: communication beyond calling	J.-P. Vacher et al. Conservation genetics of <i>Bufo viridis</i> (Anura: Bufonidae) in the upper Rhine Valley	R. Smolinský et al. Color in focus - can the sand lizard still surprise us?
17:45-18:00	E. Twomey et al. Mechanisms for color convergence in a mimetic radiation of poison dart frogs	D. Villero et al. Optimizing the creation of new wild populations of the Montseny brook newt (<i>Calotriton arnoldi</i>)	A. Urošević et al. Morphological integration of the cranium and axial skeleton in European newts

Wednesday, 4th			
	Aula Levi	Room 501	Room 502
9:00-9:45	Plenary: B. R. Schmidt Can we halt the decline of amphibians?		
	Evolution & Phylogeny	Response plan to Bsal	Herps in islands
9:45-10:00	B. Antunes et al. Evolutionary consequences of isolation by environment in two ecomorphologically distinct salamanders, <i>Salamandra salamandra bejarae</i> and <i>S. s. almanzoris</i>	F. Pasmans & A. Martel Setting the scene: the Bsal threat to European urodeles	V. Avramo et al. Island effect on intraspecific and intersexual morphological variability in <i>Podarcis siculus</i>
10:00-10:15	S. Carranza et al. Systematics and diversification of the geckos of the genus <i>Pristurus</i>	W. Beukema et al. Beneficial amphibian thermal behaviour remains constrained by the environment in the face of pathogenic invasion	S. Baeckens et al. Dalmatian oddities: functional divergence of head shape in lizards on two peculiar islands in the Adriatic
10:15-10:30	U. Dajčman et al. Conservation genetics of the leopard tortoise <i>Stigmochelys pardalis</i>	K. Preissler et al. Saving the fire salamander: ex situ breeding of insurance populations in the face of an expanding pathogen	C. Donihue et al. Trait changes in <i>Podarcis erhardii</i> from a replicated island introduction experiment in Greece
10:30-11:00	Coffee break		
11:00-11:15	C. Dufresnes et al. Speciation with hybridization: the phylogeography of green toads (<i>Bufo</i>) revisited	A. Spitzen & M. Gilbert <i>Batrachochytrium salamandrivorans</i> in the netherlands: past, present and future perspectives	M. D. Scherz & C. Hawlitschek The forgotten hotspot: a decade of research into the herpetofauna of the Comoros archipelago
11:15-11:30	N. Feiner Evolutionary lability in <i>hox</i> cluster structure and gene expression in <i>Anolis</i> lizards	S. Lötters et al. Germany, the hotspot of Bsal emergence	A. Herrel et al. Lizards on islands as models for rapid adaptive diversification
11:30-11:45	F. Martínez-Freiría et al. Biogeographic history of <i>Cerastes</i> vipers. A tale from the world's warmest deserts	D. Herczeg et al. Emerging infectious diseases of amphibians in Hungary	A. V. Mohan et al. Population genetics of the Andaman day gecko (<i>Phelsuma andamanensis</i> ; blyth, 1861) on the Andaman islands; an idiosyncratic species of unique biogeographic origins but limited genetic structure
11:45-12:00	A. Kaliontzopoulou et al. Are <i>Podarcis</i> wall lizards an adaptive radiation? Joining phylogenetic and phenotypic evidence	D. Lastra González et al. Recent findings of the amphibian killer fungus <i>Batrachochytrium salamandrivorans</i> , the spreading goes on	K. C. Webster et al. Morphologically <i>diskinkt</i> : comparing island populations of skinks in the Comoros archipelago
12:00-12:15	V. A. Gorin et al. Phylogeny and biogeography of narrow-mouthed frogs of the genus <i>Microhyla</i> (Amphibia: Microhylidae)	M. Vila-Escalé et al. Amphibian population management in southern europe to contain and eliminate a local outbreak of <i>Batrachochytrium salamandrivorans</i> (Bsal)	
12:15-12:30		S. Canessa et al. Developing an early response plan to invasion by <i>Batrachochytrium salamandrivorans</i>	
12:30-14:00	Lunch break		
14:00-14:30	SEH is 40! (Böhme)		
14:45-16:00	Poster session		
16:00-16:30	Coffee break		
16:30-18:00	Poster session		

Thursday, 5 th			
	Aula Levi	Room 501	Room 502
9:00-9:45	Plenary: A. Crottini Evolution and conservation of the herpetofauna of Madagascar		
	Evolution & Phylogeny	Agricultural landscapes	Redlists
9:45-10:00	V. Gomes & A. Kaliontzopoulou Evolutionary variation in morphology-performance associations in <i>Podarcis</i> wall lizards	M. E. Ortiz-Santaliestra Improving effectiveness of pesticide risk assessment for amphibians and reptiles	Red List assessments
10:00-10:15	K. Candan et al. Molecular phylogeny of Valentin's lizard, <i>Darevskia valentini</i> , (boettger, 1892) reveals new genetic lineages and may suggest taxonomic reconstruction	G. Montinaro & J.D Ludwigs Towards a guidance document on risk assessment for amphibians and reptiles: telemetry data of sand lizards (<i>Lacerta agilis</i>) to record field data relevant to registration	Red List assessments
10:15-10:30	F. Martínez-Freiría et al. Towards evidence-based species delimitation in Eurasian vipers	C. Leeb et al. Potential pesticide exposure during the post-breeding migration of the common toad (<i>Bufo bufo</i>) in a vineyard dominated landscape	Red List assessments
10:30-11:00	Coffee break		
11:00-11:15	G. Mazepa et al. Revision of the taxonomy and phylogenetic history of Palearctic water frogs (<i>Pelophylax</i>)	M. A. Carretero What is known and what is still to be known about the function of lizards in agro-environments	Red List assessments
11:15-11:30	M. Mezzasalma et al. Identification and characterization of two transposable elements and an amniote ultra-conserved element (UCE) in the genome of <i>Zootoca vivipara</i>	V. Mingo et al. The use of plant protection products and its impact on reptile	Red List assessments
11:30-11:45	M. Mirč et al. Common wall lizard (<i>Podarcis muralis</i>) vs urbanization	M. Biaggini & C. Corti Some fields are better than others. Ecological effects of agricultural management on lizards	Red List assessments
11:45-12:00	N. Özdemir et al. Phylogenetic systematics of <i>Bufo bufo</i> species group in Turkey	Simbula et al: A multi-disciplinary approach to assess pesticides effects on lizards (<i>Podarcis siculus</i>)	Red List assessments
12:00-12:15	C. Pizzigalli et al. Systematics revision of the <i>Mesalina olivieri</i> species complex (Squamata: Lacertidae) from North-West Africa with the description of one new species	L. Boualil et al. Effects of pesticides and antibiotics on the early development of the model amphibian organism: <i>Xenopus laevis</i>	Red List assessments
12:15-12:30	N. A. Poyarkov & C. Suwannapoom Narrow-mouthed frogs of the subfamily Asterophryinae (Anura: Microhylidae): an addition to Indochinese herpetofauna	Ortiz-Santaliestra “ Opportunities for networking and scientific cooperation in the field of pesticide risk assessment for herpetofauna: the COST Action PERIAMAR	Red List assessments
12:30-14:00	Lunch break		

	Evolution & Phylogeny	Methods	Redlists
14:00-14:15	L. Rancilhac et al. The phylogenetic relationships of the Salamandridae (Amphibia: Urodela): a history of deep and shallow reticulations	M. E. Allentoft et al. Uncovering the genomic and metagenomic potential in old ethanol-preserved snakes	Red List assessments
14:15-14:30	D. Salvi et al. Evolutionary history of the leaf-toed gecko <i>Euleptes europaea</i> reveals recent biogeographic cross-road between Sardinia and Corsica	A. Barbi et al. The role of artificial shelters in the study of alpine reptiles in the Stelvio National Park	Red List assessments
14:30-14:45	A. S. Silva & M. Wilkinson A new approach to build the amphibian tree of life	A. Costa et al. Count data for monitoring single populations: a herpetological case study and general validation	Red List assessments
14:45-15:00	E. N. Solovyeva et al. Spotted toad-headed agamas of the <i>Phrynocephalus guttatus</i> complex: in search of species boundaries	S. Giachello & E. Lunghi How to analyse coloration in amphibians and reptiles?	Red List assessments
15:00-15:15	G. Velo-Antón et al. Comparative landscape genetics reveals the evolution of viviparity reduces genetic connectivity in fire salamanders	E. Ringler et al. Functional magnetic resonance imaging as novel tool to study anuran cognition?	Red List assessments
15:15-15:30	J. Vörös et al. Landscape genomics of the Caspian whipsnake (<i>Dolichophis caspius</i>) across Eastern Europe and Western Asia	M. A. Samlali et al. Evaluation of a method to monitor a population of the moroccan painted frog (<i>Discoglossus scovazzi</i>) under extreme environmental conditions (High Atlas, Morocco)	Red List assessments
15:30-15:45	A. Yanchukov et al. Microsatellite genotypes of seven hybridogenetic unisexual species of rock lizard and their putative bisexual parents (genus <i>Darevskia</i> sp.) Suggest complex patterns of hybrid ancestry	M. Sassoè-Pognetto et al. Use of a wireless ultrasound probe as a portable, non-invasive method for studying reproductive biology in wild populations of the asp viper (<i>Vipera aspis</i>)	Red List assessments
15:45-16:00	O. Zinenko et al. Multilocus phylogeny of small vipers (subgenus: <i>Pelias</i> ; genus: <i>Vipera</i>) based on genome-guided ddRAD nuclear DNA markers		Red List assessments
16:00-16:30	Coffee break		
16:30-18:30	SEH general meeting		
19:30-23:00	Social Dinner (Via Brera)		

Friday, 6 th			
	Aula Levi	Room 501	Room 502
9:00-9:45	Plenary: J. Measy The future of our planet's amphibians and reptiles: a view from invasion science		
	Ecology and Ethology	Hybrid zones	Osteology
9:45-10:00	C. Rodríguez et al. Perch higher and be quieter: acoustic adaptation and sound radiation patterns in <i>Allobates femoralis</i>	W. Babik et al. Differential introgression across newt hybrid zones – evidence from replicated transects	A. M. Bauer & J. D. Daza The osteology of geckos: interesting skeletons come in small packages
10:00-10:15	M. Falaschi et al. Invasive species override habitat change in determining newt decline at the regional scale	A. Bellati et al. Alternative outcomes of hybridization in water frogs (gen. <i>Pelophylax</i>) revealed by in vitro crossings and molecular approaches	J. D. Daza & A. M. Bauer The herpetofauna of a coastal tropical forest of Myanmar, during the mid-Cretaceous
10:15-10:30	E. Ringler et al. Clutch cannibalism by adult poison frogs	J. L. Delgado Transcriptome based snp markers reveal dynamics of the marbled newts' hybrid zone	M. Delfino et al. Global herpetological osteology: a preliminary overview on the European taxa
10:30-11:00	Coffee break		
11:00-11:15	M. Ringler et al. Compost dwellers: strategic feeding and use of indirect cues in actively foraging poison frogs	K. Dudek et al. Pervasive introgression of MHC genes in newt hybrid zones	M. Joshi and C. Koch Identification without external characters – digging deeper in the skull morphology of fossorial Leptotyphlopidae using µCT
11:15-11:30	C. Rato et al. Climate change and local adaptation: challenges of a lizard whose sex is determined by environmental temperature	C. Dufresnes et al. Hybrid zone genomics of European anurans	M. Maričić et al. Sexual dimorphism in shell shape and size of European pond turtle in Serbia
11:30-11:45	L. Roner et al. Trophic ecology of Alpine salamander, (<i>Salamandra atra atra</i> , Laurenti, 1768)	S. Freitas et al. Deep branch gene flow in a hybridization rich diversification process	T. Matthews et al. Identifying fossil frog assemblages from southern Africa based on a review of the ilia of extant taxa
11:45-12:00	G. Rosa et al. Trophic strategy and prey availability of two populations of <i>Euproctus montanus</i> (Savi, 1838)	V. Gvozdik et al. Slow-worm lizards (<i>Anguis</i>) – a new reptile model in hybrid zone studies	T. Skawiński et al. Comparative cranial osteology of <i>Podarcis</i> lizards (Squamata: Lacertidae): evolutionary and palaeontological implications
12:00-12:15	S. Salvidio et al. Thirty years of cave salamander population dynamics... and beyond	I. Freitas et al. Habitat selection and morphological variation across human-altered habitats in secondary contact zones: the case of western mediterranean vipers in northern Iberia	M. Tałanda et al. New data on the Middle Jurassic lizards from Great Britain
12:15-12:30	A. J. Coladonato et al. Morph-specific pattern of aggression throughout the season in <i>Podarcis muralis</i>	I. Van Riemsdijk et al. Spatial variation in introgression along the common toad hybrid zone	A. Villa et al. Comparative skull osteology and phylogeny of the Italian vipers
12:30-14:00	Lunch break		

14:00-14:15	J. Speybroeck Flaunting males and cautious females – seasonal variation in behaviour and habitat use of the fire salamander (<i>Salamandra salamandra</i>) in a temperate north-western european forest	M. Ruiz-Miñano et al. Unravelling the geographical patterns of introgression in wall lizards using landscape genetics	P. Wagner The genus <i>Adolfus</i> sternfeld, 1912
14:15-14:30	L. Tomović et al. Population characteristics of the nose-horned viper (<i>Vipera ammodytes</i>) on Golem Grad Island (North Macedonia)	S. Steinfartz et al. The evolutionary consequences of local adaptation and hybridization in the worlds' only sea going lizard - the Galápagos marine iguana	L. C. M. Wencker et al. Difficulties in using continuous characters in specimen-level osteological phylogenetic analyses of lacertid lizards
14:30-14:45	G. Vimercati et al. Invasive subtropical toads allocate more resources to growth and maintenance over reproduction and storage in a mediterranean environment	T. Vučić et al. What <i>Triturus</i> newts can tell us about diversification and evolution within hybrid zone?	
14:45-15:00	V. Zwahlen et al. Sex-biased dispersal in the asp viper	B. Wielstra Hybrid zone movement in crested newts	
15:00-15:15	B. Barzaghi et al. How many shades of yellow? Factors determining the dorsal coloration pattern of the fire salamander (<i>Salamandra salamandra</i>)	W. Yang & T. Uller Genomic patterns of parallel hybrid zones provide insight into the causes of introgression and speciation in common wall lizard	
15:15-16:00	Coffee break		
16:00-17:00	<i>Awards and closing ceremony</i>		

