

European Wildlife Disease Association



13th CONFERENCE

Larissa GREECE, 2018



**UNIVERSITY OF THESSALY // SCHOOL OF HEALTH SCIENCES//
FACULTY OF VETERINARY MEDICINE**

**“Wildlife Health and Conservation:
Expectations in a challenging era”**

27-31 August, 2018

Larissa, Thessaly, Greece

--PROGRAM & GUIDE--

EWDA 2018

13th International Conference

Wildlife Health and Conservation: Expectations in a challenging era

27-31 August, 2018

Larissa, Thessaly, Greece

Organized by

University of Thessaly
School of Health Sciences
Faculty of Veterinary Medicine

European Wildlife Disease Association

Sponsored by



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--Conference Program & Guide booklet was edited by--

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Preface

On behalf of the European Wildlife Disease Organization and the University of Thessaly we are proud to welcome you to the 13th EWDA Conference!

The 13th EWDA Conference (EWDA 2018) will take place on August 27-31, 2018 in Larissa, Greece. We are happy to also host the EWDA Wildlife Health Surveillance Network meeting (August 26, 2018) and the annual meeting of ECZM (August 26-27, 2018), which will take place in the same venue as pre-conference events.

The theme “**Wildlife health and conservation: expectations in a challenging era**” sets the focus to the changing environment and the need to promote disease and conservation management in a more effective manner. All classic topics will be included, as well as other newly emerged ones. Program is organized over nine different **sessions**: Genetics – Disease Association, Health and Conservation of neglected species (focus: bats), Wildlife Health - Management and Conservation, Aquatic Animals and Ecosystems, Vector Borne Diseases, Wildlife Tuberculosis: Epidemiology and Control, Emerging and re-emerging diseases, Wildlife and Public Health, Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe.

Oral presentations and posters will cover the above themes. EWDA 2018 goes green and establishes **e-poster** presentations! All posters will be presented as e-posters, so there will be no printed copies.

Three very special **keynote speakers** are invited to the Conference! Professor Herve Zeller, Dr. Ruth Cromie and Dr. Marilina Korou are well admired for their contribution to management of wildlife health so far, and we couldn't be more enthusiasts to expect for their lectures!

We hope you will find our scientific program diversified enough and at the same time profound and remarkable. Our **Scientific Committee** has been trying hard to reach that goal and we couldn't thank them enough.

Host of the 13th EWDA Conference is the University of Thessaly and Professor Charalambos Billinis, from the Faculty of Veterinary Medicine, is leading the host **Organizing Committee**. Thessaly is located in central Greece and includes all the kind of ecosystems that exist in the country, from coastal and seaside to alpine ones. The University has branches in all the four cities of the region Thessaly (Larissa, Volos, Karditsa and Trikala), and according to our organizing plans we will be visiting most of it.

Larissa will be the center of our activities, as all of the scientific program will take place in the premises of the University there. Larissa is the fifth biggest city in the country. It is a modern and alive city, with a dynamic student population, while night life is full of choices and quality places. Ancient Greek history revives in the center of the city, since an ancient theatre has seen the light the last years. The Diachronic Museum of Larissa is also a new edifice worth visiting for its exhibits, while many other archaeological sites are spread around. It is known that Hippocrates, the Father of Medicine, worked and died in Larissa. Therefore, ancient theatre and Hippocrates are also used in our logo, **to symbolize the never ending bond of the city and the conference to science and culture.**

Western area of the region Thessaly will be visited during our scheduled excursion to Meteora, near the city of Trikala, a magnificent destination composed by a truly inspiring and sensational

setting of overwhelming rock formations which are decorated with historical monasteries. Meteora is included in the World Heritage List of UNESCO. During the excursion you will also have the opportunity to visit the Museum of Natural History of Meteora & Mushrooms Museum and the area that hosts the largest Neophron percnopterus population in Greece. Lake Karla, near the city of Volos, is an important wetland for different birds such as flamingo, egret, grey heron, wigeon etc. The biggest wetland restoration program in the wider Mediterranean area is now taking place there. Post conference tour will give you the opportunity to visit Alonissos island. The biggest protected marine park in Europe (the National Park of Alonissos) is located on the island, which hosts monk seals, dolphins and many other species, as well as wild birds during their migration period.

Last but not least, **EWDA 2018 is going green** and has been trying to reduce the Conference's footprint. As said above, all posters will be e-posters, while proceedings will also be disseminated only in electronic format. Basic conference material, such as bags, notepads and pens, has all been selected as recyclable. We would very much appreciate any greening option, thought or action, you might share with us during the conference!

The Conference is organized to offer you a wide range of the latest scientific advancements, a balanced combination of interesting wildlife activities and social events, and an opportunity to sense the Greek history and culture.

Greece is a place worth to remember for many reasons. We hope to make the 13th EWDA Conference one more!

We are looking forward to welcoming you and offer you an unforgettable experience.



Professor **Charalambos Billinis**
Faculty of Veterinary Medicine
University of Thessaly

Organizing Committee

	NAME	SURNAME	AFFILIATION
Chair:	Charalambos	Billinis	University of Thessaly, Greece
Committee Members:	Periklis	Birtsas	University of Applied Sciences of Thessaly
	Athanasios	Exadactylos	University of Thessaly, Greece
	George	Fthenakis	University of Thessaly, Greece
	Apostolos	Galatos	University of Thessaly, Greece
	Alexios	Giannakopoulos	University of Thessaly, Greece
	George	Gkafas	University of Thessaly, Greece
	Pagona	Gouletsou	University of Thessaly, Greece
	Christos	Hadjichristodoulou	University of Thessaly, Greece
	Anastasia	Kommenou	Aristotle University
	Menelaos	Lefkaditis	University of Thessaly, Greece
	Vasia	Mavrogianni	University of Thessaly, Greece
	Nikolaos	Papadopoulos	University of Thessaly, Greece
	Konstantinos	Papaspyropoulos	University of Thessaly, Greece
	Stefanos	Paraskevopoulos	University of Thessaly, Greece
	Efthimia	Petinaki	University of Thessaly, Greece
	Aikaterini	Sideri	University of Thessaly, Greece
	Marina	Sofia	University of Thessaly, Greece
	Vassiliki	Spyrou	University of Applied Sciences of Thessaly
	Dimitrios	Vafidis	University of Thessaly, Greece
	George	Valiakos	University of Thessaly, Greece
	Panagiota	Argyraki	University of Ioannina, Greece
	Yiannis	Chloptsios	University of Thessaly, Greece
Students			
Post-graduate:	Dimitrios	Chatzopoulos	University of Thessaly, Greece
	Constantina	Tsokana	University of Thessaly, Greece
	Maria	Kantere	University of Thessaly, Greece
Undergraduate	Georgios	Kotsadam	University of Thessaly, Greece
	Effrosyni	Michelakaki	University of Thessaly, Greece
	Vasiliki	Mylona	University of Thessaly, Greece
	Stefania	Tampach	University of Thessaly, Greece
	Garyfallenia	Tsinopoulou	University of Thessaly, Greece
	Aikaterini	Vlachou	University of Thessaly, Greece

Organizing Secretariat: Panagiota Argyraki

Scientific Committee

NAME	SURNAME	AFFILIATION
Charalambos	Billinis	University of Thessaly, Greece
Periklis	Birtsas	University of Applied Sciences of Thessaly, Greece
Ezzio	Ferroglio	University of Torino, Italy
Christian	Gortázar Schmid	IREC, University of Castilla-La Mancha (UCLM), Spain
Mike	Hutchings	Scotland's Rural College (SRUC), UK
Richard	Kock	Royal Veterinary College, UK
Thijs	Kuiken	Erasmus MC, The Netherlands
Becki	Lawson	Institute of Zoology, Zoological Society of London, UK
Miriam	Maas	National Institute for Public Health and the Environment (RIVM), The Netherlands
Zissis	Mamuris	University of Thessaly, Greece
Aleksija	Neimane	National Veterinary Institute, Sweden
Orusa	Riccardo	The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy
Marie-Pierre	Ryser Degiorgis	University of Bern, Switzerland
Ursula	Siebert	ITAW, University of Veterinary Medicine Hannover, Germany
Vassiliki	Spyrou	University of Applied Sciences of Thessaly, Greece
Morten	Tryland	UiT – Arctic university of Norway, Norway

Venue - Location and Transportation

The Conference will take place at the premises of the Faculty of Medicine, School of Health Sciences, University of Thessaly, in Larissa. The Faculty of Medicine is located at the new buildings of the University Campus, in Viopolis, Mezourlo, Larissa.

Complementary, some classrooms of the Faculty of Biochemistry & Biotechnology will also be used for the pre-conference events.



Photo: Faculty of Medicine, University Campus

ADDRESS

3, Panepistimiou Str.
Viopolis, 41500, Larissa
tel. 0030 2410 685745

Namely, the classrooms that will be used for the oral presentations, the workshops and other meetings are the following:

Hippocrates Auditorium	Faculty of Medicine
Auditoriums 1 & 2	Faculty of Medicine
Classrooms 1, 2, 3 & 4	Faculty of Medicine
Classrooms 1,2	Faculty of Biochemistry & Biotechnology
Classroom 1	Library Building
Conference Room	Library Building
Computers Room	Library Building



Photo: Hippocrates Auditorium, Faculty of Medicine, University of Thessaly

Conference Secretariat will be settled at the Foyer of the new building of the Faculty of Medicine. Registration desk will also be located there.

You can always contact us by e-mail: ewda2018@uth.gr.

Location

Larissa is in the center of Greece and is the capital of the region Thessaly. It counts about 150.000 people, and it is among the 5 biggest cities of Greece.

Due to its placement, Larissa is considered an important node in the country’s transport network. So, it is relatively easily and quickly accessible from other cities.



Photo: Larissa panoramic view

Larissa is a modern and alive city, with dynamic student population, while night life is full of choices and quality places.

Also, it is a city you will find easy to walk around. Most of the suggested hotels are in the center, so you will enjoy the most of the city sites on foot.

Ancient Greek history revives in the center of the city, since an ancient theatre has seen the light the last years.

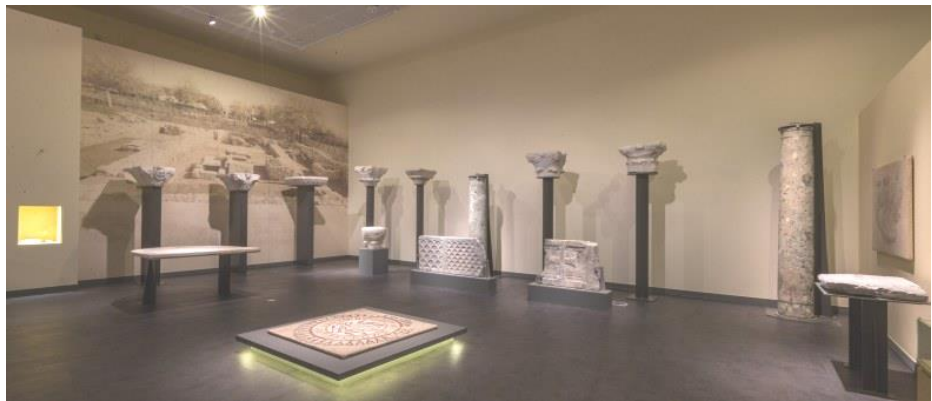


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Photos: Ancient theatre

The Diachronic Museum of Larissa is also a new edifice worth visiting for its exhibits, while many other archaeological sites are spread around.



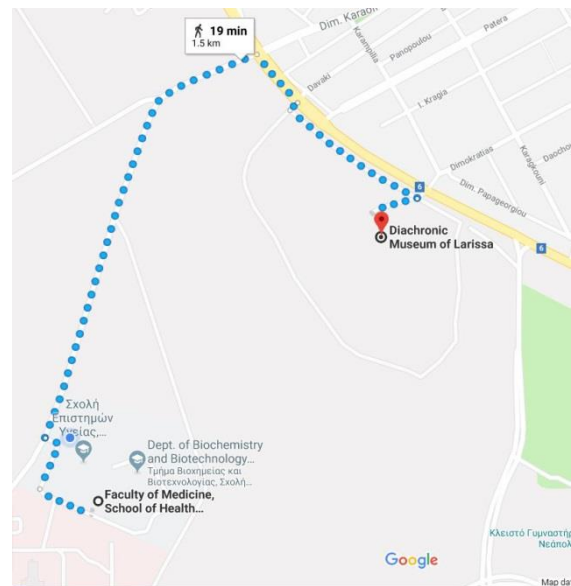
Photos: Diachronic Museum of Larissa

Extra tip:

We have come to a special arrangement with the **Antiquities Ephorate of Larissa**, and if you wish to visit the Diachronic Museum you will have a **free entrance** just by showing the Conference badge.

For your information, the Diachronic Museum is only about 1,5 km away from the venue, which makes it easy to reach.

If you like to learn more about the Diachronic Museum you can visit the website: <http://dml.culture.gr/index.php/en/>



It is known that Hippocrates, the Father of Medicine, worked and died in Larissa.



Photo: Hippocrates Statue

The ancient theatre and Hippocrates have been an inspiration... hence they were used in our logo, to symbolize the never ending bond of the city and the conference to science and culture.

Transportation in Larissa

Larissa is a city you will find easy to walk around. Most of the suggested hotels are in the center, so you will enjoy the most of the city sites on foot.

The Conference Venue is about 6km from the city centre, so you will need transportation means to commute. Larissa does not have an underground system, but the bus service is really modern and frequent, while new applications for mobiles and pc make it easy to use. The local buses operator within Larissa is Larissa Urban KTEL. Bus No4 makes the journey from the city centre to the Conference Venue (University of Thessaly, Medical School). Organizing Committee will ensure to have frequent itineraries available throughout the conference period, as normally during summer the itineraries are sparse. It will take you about 15-20 minutes to get to the venue from the city centre by bus.

LOCAL BUSES

The local buses operator within Larissa is Larissa Urban KTEL. You can find their website here: <http://ktelast-larissas.gr>

Bus No4 makes the journey from the city centre to the Conference Venue (University of Thessaly, Faculty of Medicine or Medical School). It will take you about 15-20 minutes to get to the venue from the city centre.

Line No.4 serves three (3) routes that are identical but they have a different finishing point:

- ✓ Line No4 (General University Hospital of Larissa)
- ✓ Line No4 (New Cemetery of Larissa)
- ✓ Line No4 (Faculty of Medicine, School of Health Sciences, University of Thessaly)

Please, use the following link to search for the itineraries for the Faculty of Medicine (english version): <http://www.astikoktellarissas.eu/ftpuploads/therin/2016/healthsciencether17en.pdf>

Extra tip:

*We have come to an arrangement with the **Urban KTEL of Larissa** and the Conference attendees will be transferred to the venue (Faculty of Medicine, University of Thessaly), whatever of the above buses they pick, just by showing to the driver their Conference badge. So, all you have to do is just catch a no4 from the centre without worrying which is the bus's finishing point.*

Moreover, since the itineraries for the summer period are fewer than normal, we have also arranged to have enough itineraries available at the beginning and at the end of the conference days. Also, during the day, itineraries will be more frequent than those announced at the Urban KTEL website.

We hope these two tips will help you move around more easily!

For a single journey anywhere within the city centre (A zone) ticket costs 1,20€ and is available on 50 different spots in the city. You can buy it directly from the bus driver also, but in that case the price is 1,50€.

TAXIS

Taxis are light grey

You can catch a taxi on the street, or ask the reception of your hotel to call one for you. It will take you about 10 -15 minutes to get to the venue from the city centre (Cost 8 to 10€, depending on the point of the city that you will be boarded).

Social Programme



WHAT	WHERE	WHEN
Welcome Dinner	Venue Restaurant	Tuesday, 28/08/2018 21:00 pm
Scheduled Excursion	- Meteora - Museum of Natural History of Meteora and Mushroom Museum	Wednesday, 29/08/2018 08:00am to 15:30 pm
Student-Mentor Mixer Party	Klimax	Wednesday, 29/08/2018 21:00 pm
Auction	Venue Restaurant	Thursday, 30/08/2018 19:30 pm
Conference Banquet	Rivaz, Volos	Friday, 31/08/2018 20:00 pm
Post Conference Tour	Alonissos Island	Saturday, 01/09/2018 07:30 am

Welcome Dinner

After a long first day of the Conference attendees will meet for a welcome dinner at the venue restaurant.

A typical greek menu will be offered, while special dietary preferences will be taken care of.

Welcome Dinner	Conference Venue	Tuesday, 28/08/2018 - 21:00 pm
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Scheduled Excursion

Meteora is a rock formation in central Greece hosting one of the largest and most precipitously built complexes of Eastern Orthodox monasteries. The six monasteries are built on immense natural pillars and hill-like rounded boulders that dominate the local area. It is located near the town of Kalambaka at the northwestern edge of the Plain of Thessaly near the Pineios river and Pindus Mountains. Meteora is included on the UNESCO World Heritage List under criteria I, II, IV, V and VII. The name means “lofty”, “elevated”, and is etymologically related to meteor.



Photo: Meteora view

Our excursion is scheduled to include a guided visit to the two of the six remaining monasteries of Meteora, the St. Stephen's and the Varlaam Monasteries. We will enter the monasteries and at the same time make a trip in time, going back to the centuries to learn the story of the first hermits and monks who arrived at the area that was going to evolve to the monastic community of Meteora, as is known nowadays. We will learn how the monasteries were established and why monks chose to settle at this place, where they would have to climb these steep rocks and use ropes and baskets to move around.

The Monastery of St. Stephen has a small church built in the 16th century and decorated in 1545. This monastery rests on the plain rather than on a cliff. It was shelled by the Nazis during World War II who believed it was harboring insurgents and was abandoned. The monastery was given

over to nuns in 1961 and they have reconstructed it into a flourishing nunnery, with 28 nuns in residence in 2015.

The Monastery of Varlaam is the second largest monastery in the Meteora complex, and in 2015 had the largest number of monks (seven) of the male monasteries. It was built in 1541 and embellished in 1548. The old refectory is used as a museum while north of the church is the parekklesion of the Three Bishops, built in 1627 and decorated in 1637.



Photo: Monastery

Next step is the **Museum of Natural History of Meteora and Mushroom Museum**, in the city of Kalambaka. As you can guess, there are two museums housed in one building (1100 m²) that host two permanent collections:

The first one is about animals and contains approximately 350 species of mammals and birds, while the second one is about mushrooms and contains approximately 250 species of mushrooms. The collection of animals consists of high quality embalmed birds and mammals, made by Europe’s best taxidermists, while some of them are very rare. The mushroom collection consists of handmade mushroom sculptures that maintain the similarity of colors, shapes and size. The sculptures were created one by one by high skilled sculptors of the wider local region.

Beyond the quality of the exhibits, their presentation is quite pioneering too. Animals and mushrooms are presented into dioramas, which depict exactly the natural terrain where they live and grow into (i.e. woods, wetlands etc.). Dioramas help visitors imagine the natural environment that animals live in, categorize them and get informed about the dangers that many species confront in nature. They also emphasize the necessity of protection of these animals and their ecosystem.



Photo: Diorama

Besides the cultural interest of the sites described previously, there is a great scientific interest as well, since the area is hosting the largest **Neophron percnopterus** population in Greece.

Before getting back to Larissa, we will have the time to rest and enjoy our lunch in the surrounding area under the Meteora rocks. Moreover, a unique display of cooking pasta with truffle mushroom will take place especially for us.

Scheduled Excursion	-Meteora -Museum of Natural History of Meteora and Mushroom Museum	Wednesday, 29/08/2018 - 08:00am to 15:30 pm
		Meeting point: Larissa Central Square, Kyprou & Filellinon str.

Student-Mentor Mixer Party

We have chosen a great place to give the opportunity to students and academics / professionals to spend a night out together!

The student-mentor mixer party tends to be a tradition for the EWDA Conferences. As with the pre-conference student event too, the mixer party will provide students with the opportunity to not only get to know peers, but to connect with leading wildlife scientists. Students and professionals can mingle and socialize in a more relaxed context than the conference itself. As it will take place in the middle of the Conference days it is a great timing to discuss over what already took place as well as what is anticipated.

Student-Mentor Mixer party will take place at the bar “Klimax”, Ifaistou & Eleftheriou Venizelou, in the center of Larissa. Klimax is in walking distance from most of the hotels (except the Imperial Hotel).



Photo: Klimax

When you visit Klimax you instantly feel the energy of the past lying in front of you with the white reflections of the ancient stones and the sun into your eyes. The ancient theatre lies just beside it and makes the place the hot spot of Larissa. You can have your drink and admire the mythical view. The garden can make you travel with your mind and don't hesitate to ask to climb up to the third floor to take pictures as a souvenir... A great list of biological wines and drinks is also available.

Conference attendees will be provided with a ticket to use at the bar for one free drink. Tickets will be handed at the registration desk.

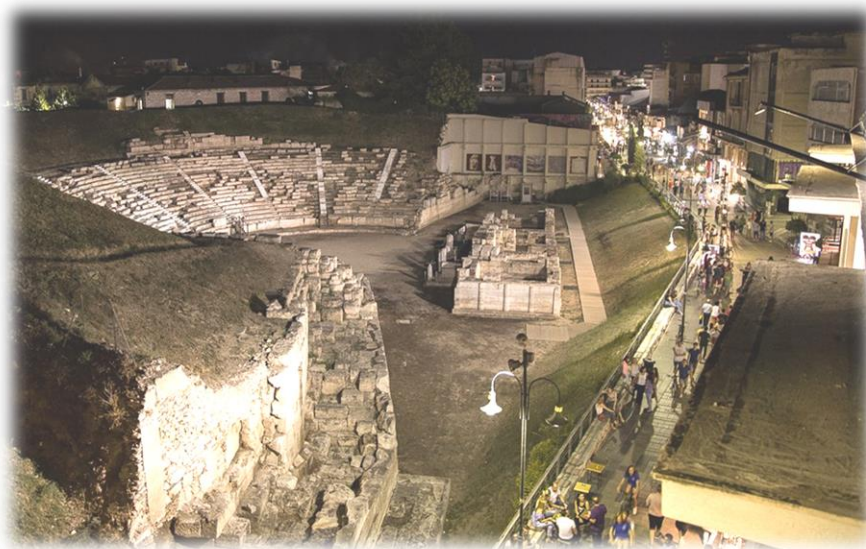


Photo: Ancient Theatre and Klimax building

Extra tip:

*Additionally to the visit to the Diachronic Museum, the Antiquities Ephorate of Larissa will offer the Conference attendees a special **guided tour to the Ancient Theatre** during the night of the Student-Mentor-Mixer Party. Just be there!!!*

Student-Mentor Mixer Party	Klimax	Wednesday, 29/08/2018 - 21:00 pm
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Auction

To hold an auction during the EWDA Conferences is already a tradition. The auction is an important fundraiser for the EWDA student chapter and it is a great opportunity to show students our support!

Of course, the auction night is a great opportunity to live funny and lively moments worth remembering! Participants are expected to bring a relevant good quality item with a wildlife theme suitable for auction! Examples could include a book, piece of artwork, T-shirt or hat, or any other piece of wildlife-based memorabilia that a member of the EWDA or other conference delegate would find interesting and be willing to pay for.

Auction will take place in two stages: silent auction and live auction. During silent auction participants will have the opportunity to see the exhibits in a separate room. Those interested for an object can write their bid down on the document provided, signing only with the number given to them (to protect their anonymity and provoke a mystery...). Later, all the action is moved to the big event, the live auction! Participants using their cartons will contest one another to bid the highest prices and the best of the fun!

Our favorite auctioneers, Marc Artois and Paul Duff, will be the hosts and we are really thankful! Dinner will be served before the live auction begins, while a bar will be open for drinks during the event!

Auction	Conference Venue/ Venue Restaurant	Thursday, 30/08/2018 - 19:30 pm
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Conference Banquet

The official EWDA dinner will take place in the restaurant “**Rivaz** (ex Aquarium)”, in the city of Volos. Registered banquet participants will meet in Larissa (Meeting point: Larissa Central Square, Kyprou & Filellinon str.) at 19:00 and will be transferred by bus to the banquet venue at Volos. A bus ride is organized as well, in order to return them back to Larissa at around 23:30-00:00. Participants are kindly asked to request their tickets at the Conference registration desk.

Rivaz is settled in a historical site of Volos at Anavrou Square. It has been renovated lately and has a capacity of receiving about 400 persons. A huge terrace over the beach offers an amazing view of the Aegean Sea. Dinner and beverages have been carefully selected to satisfy every taste. Welcome drink (greek tsipouro), a variety of appetizers, main dishes (meat and vegan choices), salads and side plates, fruits and desserts, as well as drinks and beverages will be offered to make your experience worth remembering. EWDA Conference dinner will be the ideal way to socialize in a relaxed environment and close the conference works in the most delightful way.



Photo: Rivaz

**Conference
Banquet**

Rivaz, Volos

Friday, 31/08/2018 - 20:00 pm

Post Conference Tour

Alonissos belongs to the complex of Sporades Islands. It has a total area of approximately 64.5km² and its coastline is approximately 67km in length. This is a region of great geographical diversity, where Alonissos along with its neighbouring islands collectively form a unique ecosystem: the National Marine Park of Alonissos and Northern Sporades.

The National Marine Park of Alonissos and Northern Sporades was the first marine park established in Greece (1992) and is currently the largest marine protected area in Europe (2200km², while it is member of the MedPAN (Network of Marine Protected Areas in the Mediterranean).

The National Marine park of Alonissos and Northern Sporades is the nature reserve for a series of terrestrial and marine species living in the Mediterranean Sea, including hundreds of plants and animals, while it is one of the most important nature reserves for the Mediterranean monk seal (*Monachus monachus*), one of the most endangered mammals in the world.

Besides the scientific point of view, there is a cultural interest as well, since there are remarkable archaeological and historical monuments in the area (shipwrecks, old monasteries and churches) dating back to the prehistoric era, the classical period or the Byzantine Empire.

TOUR PROGRAM

Meeting point for the tour participants is the Larissa Central Square (Kyprou & Filellinon Str.), where we will meet at 7:30 to be transferred by bus to port Achilleion.

At approximately 11:00 we will have a short stop at the island of Skopelos, which is the greenest island of Greece. The green colour of the pines and the thick forests meets the deep blue of the sea and the sky, and you will be amazed to dive in such an idyllic place. An option is to make the stop at the return, which will be announced on board.

We will then sail to reach Alonissos and go ashore to Patitiri, which is the capital of the island. During the trip we will have a typical greek summer lunch served in buffet (greek souvlaki – grilled on board, salads, etc.). Seagulls and dolphins will accompany us when on board, while approaching Alonissos we could also see monks.

More information about the fauna ecosystem:

The area of the Marine Park is also a precious reserve for many fish species (about 300), birds (over 80 species), reptiles and mammals. The Mediterranean monk seal (*Monachus monachus*), the red coral (*Coralium rubrum*), Eleonora's falcon (*Falco eleonora*), Audouin's gull (*Larus audouinii*), the Common shag (*Phalacrocorax aristotelis*) and the wild goat of Gioura (*Capra aegagrus*) are some of the most typical rare species living in this area. Bonelli's eagles (*Hieraetus fasciatus*), Great cormorants (*Phalacrocorax carbo*), Yellow-legged gulls (*Larus cachinans*) and swifts (*Apus apus* & *Apus melba*) are some of the most common birds also found in the Marine Park. Various species of the Sylviidae family are also encountered here, such as the Sardinian warbler (*Sylvia melanocephala*) and the Blackcap (*Sylvia articapilla*). Marine fauna is also diverse, including numerous benthic and ocean species. Dolphins and some whale species also live within the area of the Marine Park. Common dolphins (*Delphinus delphis*), striped dolphins (*Stenella coeruleoalba*), bottlenose dolphins (*Tursiops truncatus*), sperm whales (*Physeter macrocephalus*) and Cuvier's beaked whales (*Ziphius cavirostris*) are the most common species of dolphins and whales encountered here.

More information about Monachus monachus:

Monk seals used to live throughout the Mediterranean Sea; from the eastern Atlantic Ocean, Morocco and Mauritania to the Black Sea. Under the influence of various factors, the population of monk seals has significantly decreased in numbers, and their natural reserves have been shrinking in size over time. In the last twenty years, the monk seal has become extinct in over ten countries and therefore, it is nowadays considered to be one of the most endangered mammals in Europe.

At some 400–500 remaining monk seals, scientists confirm that 2/3 of their total population live in Greece. The Mediterranean monk seal is one of the largest species of seals in the world; they grow up to 2-3m and weigh an average of 250 kg. It takes 3-4 years for females to reach reproductive maturity and a little longer for males. They are believed to live up to 35-40 years. Pregnancy lasts for 10 to 11 months; births take place mostly from May to November and peak from September to October.

We will arrive at the picturesque port of Patitiri in Alonissos before 14:00 the latest and head for the “Mom Information Center for study and protection of the Monk Seal”.

Later we will be transferred by bus to the traditional Old Village, a labyrinth of small roads, steep stairs and beautiful stone houses surrounded by flowers and pergolas. Thanks to its placement, the village is famous for the fantastic view to every direction.

The tour in the Park will last about 3 hours. We can enjoy swimming and diving, take pictures, record videos, go sightseeing, and observe the wildlife in areas where public access is permitted, as long as we comply with the regulatory provisions for the protection of the ecosystem.

We will start our departure at about 18:30. On the way back, dinner on board will be offered too.

We will be back in Achilleion, Volos at about 22:00 and then return to Larissa at about 23:00.

If you wish to extend your staying on Alonissos or maybe Skopelos islands, you can be dropped off on each of them. Since it is a great opportunity for you to have your vacation after the conference, you are encouraged to do so. In this case though, accommodation and other arrangements need to be self-organized.

Post Conference tour is a unique opportunity to meet one of the most beautiful Greek islands in summertime, explore the most fascinating ecosystem inside the National Marine Park and observe the endangered Monk Seal species in its natural habitat.

Post Conference tour registration fee includes the following: transportation by bus from Larissa to Achilleion port and back, transportation by boat from Achilleion port to Skopelos and Alonissos islands and back, Mom Information Centre visit, access in the National Marine Park, coffee- lunch-dinner aboard.

Post Conference Tour	Alonissos Island	Saturday, 01/09/2018 – 07:30 am to 23:00 pm Meeting point: Larissa Central Square, Kyprou & Filellinon str.
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Photo: Monk seal

Scientific Programme

OVERVIEW OF DAILY SCHEDULES

Sunday, August 26

13:00-20:00	EWDA Wildlife Health Surveillance Network meeting
	ECZM Meeting
09:00-12:45	Executive Committee Meeting
14:15-18:00	Examination/ Education/ Credential/ Website/ Scientific Committees meetings

Monday, August 27

	ECZM Meeting
08:00-12:00	ZHM Examination Workshop
09:00-12:00	Specialty meetings
12:00	Light Lunch
13:30	Q&A with EBVS President Jimmy Saunders
14:30-18:30	Annual General Meeting
	WORKSHOPS
10:00-18:00	Marine Priority Habitats and species: Applied biomonitoring in Marine Protected Areas and the special-case of Marine Mammals
09:00-17:00	2nd EWDA Wildlife Histopathology Workshop
08:30-18:00	Methods to investigate the association between wildlife and human cases in a zoonotic disease outbreak; the WNV example
10:00-14:00	Wildlife disease monitoring: techniques and Cost-benefit trade-offs analysis
09:00-13:00	Disease Risk Analysis for Translocations

Tuesday, August 28

08:00 - 19:00	Registration - submission of auction objects (Registration Desk, Foyer)
08:15 - 08:30	Opening Address (Hippocrates Auditorium)
08:30 - 09:15	Keynote: How do we get action for a healthier planet? The lead ammunition case study. Ruth Cromie
09:15-11:00	MORNING SESSION I: Wildlife Health, Management and Conservation
11:00 -11:30	Coffee break (Foyer)
11:30 -13:15	MORNING SESSION II: Wildlife Health, Management and Conservation
13:15-14:45	Lunch (Venue Restaurant)
14:45- 16:15	AFTERNOON SESSION I: Genetics-Disease Association
16:15- 17:15	Coffee break and poster session (Foyer)
17:15-19:15	AFTERNOON SESSION II: Health and conservation of neglected species (focus: bats)
19:45- 20:45	EWDA AGM
21:00	Welcome dinner (Venue Restaurant)

Wednesday, August 29

08:00-15:30	Scheduled excursion to Meteora (lunch included)
16:00-17:30	AFTERNOON SESSION I: Aquatic animals and ecosystems
17:30- 18:15	Coffee break and poster session (Foyer)
18:15-19:30	AFTERNOON SESSION II: Aquatic animals and ecosystems
21:00	Student-Mentor-Mixer Party

Thursday, August 30

08:00-13:00	Registration – submission of auction objects (Registration Desk, Foyer)
08:30- 09:15	Keynote: Wildlife and Vector-borne diseases in Europe. Herve Zeller
09:15-10:15	MORNING SESSION I: Vector Borne Diseases
10:15- 10:45	Coffee break (Foyer)
10:45-12:00	MORNING SESSION II: Vector Borne Diseases
12:00-13:15	MORNING SESSION III: Wildlife tuberculosis: epidemiology and control
13:15- 14:45	Lunch (Venue Restaurant)
14:45-16:00	AFTERNOON SESSION I: Wildlife tuberculosis: epidemiology and control
16:00-17:00	AFTERNOON SESSION II: Emerging and re-emerging diseases
17:00- 18:00	Coffee break and poster session (Foyer)
18:00-19:15	AFTERNOON SESSION III: Emerging and re-emerging diseases
19:30	Auction

Friday, August 31

08:30- 10:00	Registration
08:45 - 09:30	Keynote: Current epidemiological data for Rabies in Greece. Steps to eradicate the disease. Laskarina-Maria Korou
09:30-10:45	MORNING SESSION I: Wildlife and Public Health
10:45- 11:15	Coffee break (Foyer)
11:15-12:30	MORNING SESSION II: Wildlife and Public Health
12:30- 14:00	Lunch (Venue Restaurant)
14:00-15:30	AFTERNOON SESSION I: Wildlife Health, Management and Conservation
15:30- 16:15	Coffee break and poster session (Foyer)
16:15-17:15	AFTERNOON SESSION II: Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe
17:15- 17:30	Closing address (Hippocrates Auditorium)
19:00	Travel to Volos – Conference Banquet

EWDA Wildlife Health Surveillance Network Meeting & ECZM Meeting Schedules

Sunday, August 26**EWDA Wildlife Health Surveillance Network meeting****-AMPHITHEATER 1, FACULTY OF MEDICINE BUILDING-2ND FLOOR-**

13:00-20:00	
13:00-14:00	Welcome Coffee
14:00-14:05	Welcome and introduction (Thijs Kuiken)
14:05-14:15	Overview of wildlife health surveillance in Europe as of 2009 (Thijs Kuiken)
14:15-14:30	Review of requirements of a wildlife health surveillance programme (Marie-Pierre Ryser)
14:30-15:30	Start-up and growth spurts of established wildlife health surveillance systems in a selected number of countries, part 1 (4 x 15 min; Paul Tavernier, Belgium; Antonio Lavazza, Italy; Jorge Lopez, Spain; Marie-Pierre Ryser, Switzerland)
15:30-16:00	Break and Poster Viewing
16:00-16:30	Start-up and growth spurts of established wildlife health surveillance programmes in a selected number of countries, part 2 (2 x 15 min; Jolianne Rijks, The Netherlands; Becki Lawson and Paul Duff, U.K.)
16:30-17:15	Panel discussion: what worked, what didn't? (Panel: all speakers on start-up and growth spurts of established programmes. Chair: Thijs Kuiken)
17:15-17:45	Break and Poster Viewing
17:45-19:00	Situation reports of a selected number of countries who wish to start a wildlife health surveillance programme (5 x 15 min; Kastriot Korro, Albania; Daniel Mladenov, Bulgaria; Gudrun Wibbelt, Germany; Charalambos Billinis, Anastasia Komnenou, Greece; Sara Sevic, Serbia)
19:00-19:45	Panel discussion: how to get started? (Panel: all speakers on countries wishing to start a programme . Chair: Thijs Kuiken)
19:45-20:00	Concluding remarks (Thijs Kuiken)

ECZM Meeting

09:00-12:45	Executive Committee Meeting CLASSROOM 1, FACULTY OF MEDICINE BUILDING-3RD FLOOR
14:15-18:00	Examination Committee meeting// CLASSROOM 1, FACULTY OF MEDICINE BUILDING-3RD FLOOR Education Committee meeting// CLASSROOM 2, FACULTY OF MEDICINE BUILDING-3RD FLOOR Credential Committee meeting// CLASSROOM 3, FACULTY OF MEDICINE BUILDING-3RD FLOOR Website Committee meeting// CONFERENCE ROOM, LIBRARY BUILDING-2ND FLOOR Scientific Committee meeting// CLASSROOM 4, FACULTY OF MEDICINE BUILDING-3RD FLOOR

Monday, August 27**ECZM Meeting**

08:00-12:00	ZHM Examination Workshop // CLASSROOM 2, FACULTY OF BIOCHEMISTRY-BIOTECHNOLOGY BUILDING
09:00-12:00	Avian Specialty meeting// CLASSROOM 1, FACULTY OF BIOCHEMISTRY-BIOTECHNOLOGY BUILDING Herpetology Specialty meeting// CLASSROOM 4, FACULTY OF MEDICINE BUILDING-3RD FLOOR Small Mammals Specialty meeting // CONFERENCE ROOM, LIBRARY BUILDING-2ND FLOOR Wildlife Population Health Specialty meeting// AMPHITHEATER 1, FACULTY OF MEDICINE BUILDING-2ND FLOOR
12:00-13:30	Light Lunch
13:30-14:15	Q&A with the EBVS President Jimmy Saunders// AMPHITHEATER 1, FACULTY OF MEDICINE BUILDING-2ND FLOOR
14:30-18:30	Annual General Meeting// AMPHITHEATER 1, FACULTY OF MEDICINE BUILDING-2ND FLOOR

Workshops

Monday, August 27

TIME	VENUE	WORKSHOP TITLE/INFORMATION
10:00-18:00	DEP. OF ICHTHYOLOGY AND AQUATIC ENVIRONMENT, UN. THESSALY, VOLOS & VISIT TO THE SEA	Marine Priority Habitats and species: Applied biomonitoring in Marine Protected Areas and the special-case of Marine Mammals
Organizers: Professor D. Vafidis, University of Thessaly Dr. A Exadactylos, University of Thessaly Speakers: C. Antoniadou, Aristotle University of Thessaloniki A. Lolas, University of Thessaly G. Karamitros, University of Thessaly G. Gkafas, University of Thessaly		
09:00-17:00	CLASSROOM 1, FACULTY OF MEDICINE BUILDING -3 RD FLOOR	2nd EWDA Wildlife Histopathology Workshop
Organizers: K. Lemberger, Vet Diagnostics, Lyon G. Wibbelt, Leibniz Institute for Zoo and Wildlife Research U. Hofle, University of Castilla-La Mancha, IREC Speakers: G. Wibbelt, Leibniz Institute for Zoo and Wildlife Research U. Hofle, University of Castilla-La Mancha, IREC Invited Speaker: Thijs Kuiken, Erasmus University, Netherlands		
08:30-18:00	COMPUTERS CLASSROOM, LIBRARY BUILDING-1 ST FLOOR & VISIT TO LAKE KARLA	Methods to investigate the association between wildlife and human cases in a zoonotic disease outbreak; the WNV example
Organizers: C. Billinis, University of Thessaly N. Papadopoulos, University of Thessaly C. Hadjichristodoulou, University of Thessaly Speakers: Periklis Birtsas, Konstantinos Papaspyropoulos, Christos Sokos, Alexios Giannakopoulos, George Rachiotis, Nikolas Bitsolas, Charalampos Ioannou, George Mastronikolos, Thomas Kilindris, Georgia Delivasi, Ioannis Vergos, Dimitris Michalakis		
10:00-14:00	CLASSROOM 2, FACULTY OF MEDICINE BUILDING-3 RD FLOOR	Wildlife disease monitoring: techniques and Cost-benefit trade-offs analysis
Organizer: Dr. Sasan Fereidouni, University of Veterinary Medicine, Vienna Speakers: Dr. Sasan Fereidouni Prof. Chris Walzer Prof. Richard Kock Julian Keles Annika Posautz		
09:00-13:00	CLASSROOM 3, FACULTY OF MEDICINE BUILDING-3 RD FLOOR	Disease Risk Analysis for Translocations
Organizer: Tony Sainsbury, ZSL Speakers: Dr Tony Sainsbury, ZSL Dr Rebecca Vaughan-Higgins Murdoch University, Australia Dr Jenny Jaffe, ZSL		

FULL SCIENTIFIC PROGRAM

Tuesday, August 28	
08:00 – 19:00	Registration – submission of auction objects (Registration Desk, Foyer)
08:15 – 08:30	Welcome (Hippocrates Auditorium)
MORNING SESSION I: Wildlife Health, Management and Conservation -Hippocrates Auditorium- Chairs: Thomas Tully and Becki Lawson	
08:30 – 09:15	Keynote: How do we get action for a healthier planet? The lead ammunition case study. Ruth Cromie
09:15 – 09:30	British Veterinary Zoological Society (BVZS) Good Practice Guidelines for Wildlife Rehabilitation Centres. Elizabeth Mullineaux
09:30 – 09:45	OIEparser: The data management tool for OIE-listed diseases. Katalin Maria Horvath
09:45 – 10:00	Reestablishment of a non-migratory flock of whooping cranes (<i>Grus americana</i>) in Louisiana, USA. Thomas N. Tully
10:00 – 10:15	The Great Tit <i>Parus</i> major pox disease in France: evidence of emergence and spatio-temporal distributions from citizen science-based data. Phillippe Gourlay
10:15 – 10:30	Spatio-temporal dynamics and aetiology of proliferative leg skin lesions in wild British finches. Becki Lawson
10:30 – 10:45	Investigation of mass mortality in Arctic terns (<i>Sterna paradisaea</i>) at a breeding colony in Wales. Paul Holmes
10:45 – 11:00	Prevalence of avian influenza and Newcastle disease viruses in local populations of wild birds in contact with Houbara bustards conservation breeding programmes in the United Arab Emirates. Julien Hirschinger
11:00 – 11:30	Coffee break (Foyer) Auction team meeting
MORNING SESSION II: Wildlife Health, Management and Conservation -Hippocrates Auditorium- Chairs: Erik Ågren and Miriam Maas	
11:30 – 11:45	Disease and health implications of free living wildlife on a captive zoo population. Debbie Myers
11:45 – 12:00	Histopathological study of eye tissues from semi-domesticated reindeer with infectious keratoconjunctivitis caused by cervid herpesvirus 2 in an experimental setting. Javier Sánchez Romano
12:00 – 12:15	Spatiotemporal spread of sarcoptic mange in the red fox (<i>Vulpes vulpes</i>) and other wild carnivores in Switzerland. Simone R. R. Pisano
12:15 – 12:30	Epidemiological study of <i>Dichelobacter nodosus</i> in free ranging Alpine ibex (<i>Capra ibex</i>) and other potential hosts: identifying maintenance hosts and risk factors for infection. Gaia Moore-Jones
12:30 – 12:45	Disease risk analysis for the western barred bandicoot (<i>Perameles bougainville</i>). Rebecca Vaughan-Higgins
12:45 – 13:00	Epidemiological analysis of Aujeszky disease in wild boar in Italy. Stefania Calo'
13:00 – 13:15	Plasticosis from intact and micronizing plastic in birds, reptiles and mammals, including humans. Branson W. Ritchie
13:15 – 14:45	Lunch (Venue Restaurant)
AFTERNOON SESSION I: Genetics-Disease Association -Hippocrates Auditorium- Chairs: Marie-Pierre Ryser-Degiorgis & Zissis Mamuris	
14:45 – 15:00	An update on the puzzling world of human and animal pathogenic treponemes. Sascha Knauf
15:00 – 15:15	Does stress impair healthy aging? Relationship between stress and telomere length in roe deer. Emmanuelle Gilot-Fromont
15:15 – 15:30	MHC class II DQA locus variation in the species of European Brown hare: pathogen-driven genetic differentiation. Themistoklis Giannoulis

15:30 – 15:45	Elephant Endotheliotropic Herpesvirus (EEHV) infection in Asian elephants (<i>Elephas maximus</i>) possible correlated hereditary coagulation disorder. Sónia Alexandra de Jesus Fontes
15:45 – 16:00	Genomic response to experimental infestation with <i>Sarcoptes scabiei</i> in Iberian ibex. Arián Ráez Bravo
16:00 – 16:15	High prevalence of heart anomalies of suspected genetic origin in a reintroduced Eurasian lynx (<i>Lynx lynx</i>) population, Switzerland. Marie-Pierre Ryser-Degiorgis
16:15 – 17:15	Coffee break and poster session (Foyer)
AFTERNOON SESSION II: Health and conservation of neglected species (focus: bats) -Hippocrates Auditorium- Chairs: Lineke Begeman & Gudrun Wibbelt	
17:15 – 17:30	Landscape immunology across the range of a widespread Neotropical bat species. Gábor Á. Czirják
17:30 – 17:45	Disease ecology of Lyssaviruses in the greater mouse-eared bat from South Tyrol (Italy). Stefania Leopardi
17:45 – 18:00	Vector-borne pathogens in tissues of bats from Central and Eastern Europe. Alexandra Corduneanu
18:00 – 18:15	Passive surveillance of bat lyssavirus infections in the Netherlands, a three decade overview. E.A. (Bart) Kooi
18:15 – 18:30	A passive surveillance for emerging viruses in bats in Italy- Implications for Public Health and biological conservation. Antonio Lavazza
18:30 – 18:45	Does bat diversity explain Ebola spillover? Julie Shapiro
18:45 – 19:00	Is stress caused by anthropogenic changes responsible for virus spillover from bats to other species? Vikram Misra
19:00 – 19:15	Detection and characterisation of multiple herpesviruses in free-living Western European hedgehogs (<i>Erinaceus europaeus</i>). Helle Bernstorff Hydeskov
19:15–19:25	WDA looks to the future. Richard Kock
19:25–19:30	EWDA Student Chapter and Conservation careers: expectations in a challenging era. Anna Hillegonda Baauw
19:30 – 19:45	Opening Address (Hippocrates Auditorium)
19:45 – 20:45	EWDA AGM (Hippocrates Auditorium)
21:00	Welcome dinner (Venue Restaurant)

Wednesday, August 29	
08:00-15:30	Scheduled excursion to Meteora (lunch included) Meeting point: Larissa Central Square, Kyprou & Filellinon str.
AFTERNOON SESSION I: Aquatic animals and ecosystems -Hippocrates Auditorium- Chairs: Aleksija Neimanis and Anastasia Komnenou	
16:00 - 16:15	Grey seal (<i>Halichoerus grypus</i>) predation on marine mammals in German waters. Stephanie Gross
16:15 - 16:30	Antibiotic resistant <i>Klebsiella pneumoniae</i> causing illness in juvenile common seals (<i>Phoca vitulina</i>) on the East coast of England. J Paul Duff
16:30 - 16:45	Genome-wide screening and functional MHC components reveals susceptibility to lungworms in female striped dolphins. Georgios A. Gkafas
16:45 - 17:00	So why do they strand? What we know from 25 years of marine mammal surveillance in the UK. Andrew Brownlow
17:00 - 17:15	Toxoplasmosis in free-ranging Eurasian beavers (<i>Castor fiber</i>) from Switzerland. Samoa Zürcher-Giovannini
17:15 - 17:30	Surprisingly Long Lungworms from Common Seals of the Dutch North Sea. Jocelyn Elson-Riggins
17:30 - 18:15	Coffee break and poster session (Foyer)
AFTERNOON SESSION II: Aquatic animals and ecosystems -Hippocrates Auditorium- Chairs: Aleksija Neimanis and Athanasios Exadactylos	
18:15 - 18:30	Clinical Significance of <i>Uncinaria</i> spp in Orphan Mediterranean Monk Seal Pups in Greece. Kommenou Anastasia
18:30 - 18:45	Vomiting in seals indication of bycatch? Jooske IJzer
18:45 - 19:00	Changing ecosystem dynamics: Increasing evidence of direct lethal, indirect lethal and non-lethal interactions between grey seals and harbour porpoises. Lonneke L. IJsseldijk
19:00 - 19:15	Dead useful; Separating the Signal from the Noise through Marine Mammal Strandings Surveillance. Mariel ten Doeschate
19:15 - 19:30	Marine debris and plastic pollution - an emerging non-infectious threat to aquatic wildlife and human health. Anja Reckendorf
21:00	Student-Mentor-Mixer (Bar "Klimax", Ifaistou & Eleftheriou Venizelou, Larissa)

Thursday, August 30	
08:00 – 13:00	Registration – submission of auction objects (Registration Desk, Foyer)
MORNING SESSION I: Vector Borne Diseases -Hippocrates Auditorium- Chairs: Nikos Papadopoulos and Károly Erdélyi	
08:30 – 09:15	Keynote: Wildlife and Vector-borne diseases in Europe. Herve Zeller
09:15 – 09:30	National-wide survey for vector-borne pathogens in wild and domestic canines and associated ticks and fleas in Chile. Javier Millán
09:30 – 09:45	A survey of tick-borne pathogens in ixodid ticks and their wild boar hosts in the Barcelona metropolitan area. Raquel Castillo-Contreras
09:45 – 10:00	Landscape and invasive species effects on infection dynamics of Bartonella in indigenous rodents from southern Africa. Luiza Hatyoka
10:00 – 10:15	Understanding wildlife disease requires good host data: wild boar and ASF risk. Graham Smith
10:15 – 10:45	Coffee break (Foyer)
MORNING SESSION II: Vector Borne Diseases -Hippocrates Auditorium- Chairs: Nikos Papadopoulos and Károly Erdélyi	
10:45 – 11:00	Pathogenic potential of Bagaza virus in tree Phasianid species: red-legged partridge, grey partridge and common pheasant. Elisa Pérez-Ramírez
11:00 – 11:15	Past and current features of Usutu virus circulation in Hungary and Austria. Károly Erdélyi
11:15 – 11:30	Seasonal longevity of the West Nile virus vector mosquito Culex pipiens. Nikos Papadopoulos
11:30 – 11:45	Magpies and West Nile Virus: Reservoir or Sentinel? Ursula Höfle
11:45 – 12:00	First report of massive deaths in wild birds with neurological signs due to West Nile Virus infection during an epizootic outbreak in Peloponnesus, Greece, 2017. George Valiakos
MORNING SESSION III: Wildlife tuberculosis: epidemiology and control -Hippocrates Auditorium- Chairs: Christian Gortázar Schmidt and Richard Delahay	
12:00 – 12:15	Combining long-term testing and ecological data to improve the accuracy of disease diagnosis: An example from a long-term study of tuberculosis in wild badgers in the UK. Julian Drewe
12:15 – 12:30	Temporal and spatial distribution of antibodies against Mycobacterium bovis in wild boar (Sus scrofa) in the Basque Country (Northern Spain). Lucía Varela Castro
12:30 – 12:45	Assessment of BCG and inactivated Mycobacterium bovis vaccines in an experimental tuberculosis infection model in European badger (Meles meles). Ana Balseiro
12:45 – 13:00	TB maintenance community: investigation on the role of red foxes. Céline Richomme
13:00 – 13:15	The big bad wolf helping Spanish farmers - a tale on predation and tuberculosis. Christian Gortazar
13:15 – 14:45	Lunch (Venue Restaurant)
AFTERNOON SESSION I: Wildlife tuberculosis: epidemiology and control -Hippocrates Auditorium- Chairs: Christian Gortázar Schmidt and Richard Delahay	
14:45 – 15:00	Host heterogeneity and TB dynamics in badgers. Richard (Dez) Delahay
15:00 – 15:15	A compartmental dynamic model for Mycobacterium bovis transmission between badger and cattle in south-western France. Malika Bouchez-Zacria
15:15 – 15:30	Surveillance of wildlife tuberculosis in Catalonia (Spain), a low prevalent area of bovine tuberculosis, 2012-2018. Bernat Pérez de Val
15:30 – 15:45	Quantitative characterization of the community of tuberculosis-infected hosts in the Iberian Peninsula. Nuno Santos
15:45 – 16:00	Progress towards the development of an oral vaccine against TB in badgers. Sandrine Lesellier

AFTERNOON SESSION II: Emerging and re-emerging diseases -Hippocrates Auditorium- Morten Tryland and Efthimia Petinaki	
16:00 - 16:15	Mongolian khulan (<i>Equus hemionus hemionus</i>) are exposed to multiple influenza A strains. Sanatana Eirini Soilemetzidou
16:15 - 16:30	Bufovirid Herpesvirus 1 - Associated proliferative dermatitis in free-ranging common toads (<i>Bufo bufo</i>). Francesco C. Origi
16:30 - 16:45	Serological survey of hepatitis E virus in hunted wild boar (<i>Sus scrofa</i>) in Gipuzkoa (Northern Spain). Miriam Martinez de Egidua
16:45 - 17:00	Lagovirus europaeus GI.2 (Rabbit Hemorrhagic Disease Virus 2) in an isolated population of mountain hares (<i>Lepus timidus</i>) expands the host range of GI.2. Aleksija Neimanis
17:00- 18:00	Coffee break and poster session (Foyer)
AFTERNOON SESSION III: Emerging and re-emerging diseases -Hippocrates Auditorium- Morten Tryland and Efthimia Petinaki	
18:00 -18:15	The occurrence of the moose nasal bot fly (<i>Cephenemyia ulrichii</i>) in Norway – an emerging disease? Andrea L Miller
18:15 - 18:30	Serological screening for viral pathogens among semi-domesticated Eurasian tundra reindeer (<i>Rangifer tarandus tarandus</i>) from eight reindeer herding districts in Norway. Morten Tryland
18:30 - 18:45	Peste des petits ruminants (PPR) as a great threat to wild ungulates in the Asian Continent. Sasan Fereidouni
18:45 - 19:00	Chronic Wasting Disease in Norway: an update on surveillance, research and disease development. Jørn Våge
19:00 - 19:15	The background for the management of CWD in Norway – scientific reasoning with high degree of uncertainty. Bjørnar Ytnehus
16:00-19:00	Silent Auction (Hippocrates Auditorium Side Room, Basement)
19:30	Auction (Venue Restaurant, Terrace)

Friday, August 31	
08:30 – 10:00	Registration (Registration Desk, Foyer)
MORNING SESSION I: Wildlife and Public Health -Hippocrates Auditorium- Chairs: Thijs Kuiken and Riccardo Orusa	
08:45 – 09:30	Keynote: Current epidemiological data for Rabies in Greece. Steps to eradicate the disease. Laskarina-Maria Korou
09:30 – 09:45	“Working in Silo” & “Path Dependence”: Relevance for a global Management of Wildlife and Health. Marc Artois
09:45 – 10:00	Antimicrobial resistance in wildlife species: the potential for sentinel surveillance in a ONE HEALTH perspective. Carlos G. das Neves
10:00 – 10:15	New tools to face old problems: Whole genome sequencing for a better insight into an outbreak of Salmonella serovar Choleraesuis var. Kunzedorf. Carlo Vittorio Citterio
10:15 – 10:30	Invasive species as a risk for public health: raccoon dogs and raccoons in the Netherlands. Miriam Maas
10:30 – 10:45	Non-invasive blood sampling methods in zoo animals with use of medicine leeches (Hirudo Medicinalis). Pavel Kvapil
10:45 – 11:15	Coffee break (Foyer)
MORNING SESSION II: Wildlife and Public Health -Hippocrates Auditorium- Chairs: Marc Artois and James Paul Duff	
11:15 – 11:30	Pathogen screening of Norway rats (Rattus norvegicus). Rainer G. Ulrich
11:30 – 11:45	Chlamydiaceae in wild, feral and domesticated pigeons in Switzerland. Prisca Mattmann
11:45 – 12:00	Measuring the distribution of tick-borne encephalitis virus circulation in low endemic areas using serological screening of roe deer (Capreolus capreolus). Jolianne M. Rijks
12:00 – 12:15	Jackals' rabies outbreak, Israel 2017-18: Has the ORV failed? Roni King
12:15 – 12:30	Oral Vaccination of Wildlife against Rabies in Europe; Past, present and future. Ferenc Kovacs
12:30 – 14:00	Lunch (Venue Restaurant)
AFTERNOON SESSION I: Wildlife Health, Management and Conservation -Hippocrates Auditorium- Chairs: Jolianne M. Rijks and Ursula Höfle	
14:00 – 14:15	Invasive turtles as a threat for environment and source and vector of animal and human pathogens. Dariusz Wasyl
14:15 – 14:30	Comparison of three methods to characterize bushpig visits into crop fields in an African swine fever endemic area of Uganda. Ariane Payne
14:30 – 14:45	Radiographic Evaluation of Thoracic Girdle Fractures in Wild Passerine Cadavers after Presumptive Window Collisions. João Brandão
14:45 – 15:00	Pregnancy diagnosis of Muskoxen (Ovibos moschatus) in high arctic conditions. Eva Greunz
15:00 – 15:15	Defining animal welfare standards for hunting based on body mass and flight distance. Bjørnar Ytrehus
15:15 – 15:30	Unraveling the potential causes of secondary hyperparathyroidism in free-living nestling white storks (Ciconia ciconia) from Central Spain. Ursula Höfle
15:30 – 16:15	Coffee break and poster session (Foyer)
AFTERNOON SESSION II: Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe -Hippocrates Auditorium- Chairs: Charalambos Billinis and Sophie Rossi	
16:15 – 16:30	Cattle Egret as a potential reservoir of avian pathogens in South-West France. Guillaume Le Loc'h
16:30 – 16:45	Comparison of Rev.1 live vaccine innocuousness between Alpine ibex (Capra ibex) and

	domestic goats (<i>Capra hircus</i>): an unexpected strong species effect. Sophie Rossi
16:45 - 17:00	Few wild birds - many domestic outbreaks of highly pathogenic avian influenza H5N8 during the 2016-2017 epizootic: the French paradox. Anne Van de Wiele
17:00 - 17:15	Virulence and excretion dynamics of H5 highly pathogenic avian influenza virus of the Goose/Guangdong lineage in experimentally infected wild ducks. Thijs Kuiken
17:15 - 17:30	Closing address (Hippocrates Auditorium)
19:00	Travel to Volos (Meeting point: Larissa Central Square, Kyprou & Filellinon str.)
20:00	Conference Banquet ("Rivaz", Volos)

POSTERS

EWDA2018 will introduce **e-posters**.

All posters will be presented as e-posters, so poster presenters **do not need to bring a printed copy** of their poster at the Conference.

E-posters will be presented on special monitors at the conference venue.

WHAT IS AN E-POSTER?

- ✚ The e-poster is a poster presented as a power point presentation.
- ✚ The e-posters will be presented on monitors and not on poster boards.
- ✚ Three monitors placed at the conference venue will cover the needs of the poster presentations.
- ✚ The e-poster option allows attendees to watch all e-poster presentations, to search by author, title or session.
- ✚ The e-posters will be viewed on a high resolution screen during all the days of the conference. E-posters will be presented in a loop and slides will be changing periodically.
- ✚ Four (4) separate e-poster sessions will be announced in our program, during which presenters have to be available for presentations and questions.

✚ E-posters comply with EWDA 2018 dedication to *go green!*



POSTER SESSIONS	WHERE	WHEN
Coffee Break & Poster Session I <ul style="list-style-type: none"> ▪ Genetics-Disease Association ▪ Health and conservation of neglected species (focus: bats) ▪ Wildlife Health, Management and Conservation ▪ Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe 	Conference Venue/ Foyer	Tuesday, 28/08/2018 16:15-17:15
Coffee Break & Poster Session II <ul style="list-style-type: none"> ▪ Aquatic animals and ecosystems ▪ Wildlife Health, Management and Conservation 	Conference Venue/ Foyer	Wednesday, 29/08/2018 17:30 - 18:15
Coffee Break & Poster Session III <ul style="list-style-type: none"> ▪ Vector Borne Diseases ▪ Wildlife tuberculosis: epidemiology and control ▪ Emerging and re-emerging diseases 	Conference Venue/Foyer	Thursday, 30/08/2018 17:00 - 18:00
Coffee Break & Poster Session IV <ul style="list-style-type: none"> ▪ Wildlife and Public Health 	Conference Venue/ Foyer	Friday, 31/08/2018 15:30 - 16:15

e-posters schedule

Coffee Break & Poster Session I

- **Genetics-Disease Association**
- **Health and conservation of neglected species (bats)**
- **Evidence of direct infection between species at the human-free-ranging wildlife-livestock interface in Europe**
- **Wildlife Health, Management and Conservation**

Conference Venue/
Foyer

Tuesday, 28/08/2018
16:15-17:15

1. Investigating the genetic diversity of lagomorph infecting treponemes and their relatedness to human pathogenic *Treponema pallidum*. **Lena Abel**
2. New Austropotamobius torrentium haplotypes revealed after molecular identification and phylogenetic analysis in Western Macedonia, Greece. **Thodoris Gousdovas**
3. Genetic variability of *Rhinolophus mehelyi* population at the northern margin of the species distribution range. **Alexandra Corduneanu**
4. Yellow ear: etiology and incidence of pinna injuries in bats in Belgium. **Paul Tavernier**
5. Bat bites are only skin deep, but dog bites go clean to the bone: implications of comparative pathogenesis in reservoir hosts for human rabies. **Lineke Begeman**
6. Could the thermal camera be a useful tool to help protecting the Seychelles sheath-tailed bat (*Coleura seychellensis*)? A pilot study. **Camillo Sandri**
7. A case of swinepox in a wild boar (*Sus scrofa*) in Belgium. **Volpe Rosario**
8. First Report of Abortion of a Roe Deer Related to *Brucella* spp in Greece. **Eleni Fotopoulou**
9. Mycoplasma conjunctivae occurrence in vectors and anatomic locations related to transmission and persistence. **Xavier Fernández-Aguilar**
10. Pasteurellaceae occurrence in relation to bronchopneumonia in a Pyrenean chamois population. **Xavier Fernández-Aguilar**
11. Epidemiological and molecular surveillance of *Mycobacterium tuberculosis* complex in wild ungulates from southern Spain, 2011-2018. **Ignacio García-Bocanegra**
12. Types and diversity of Persian leopards' lesions resulting from the illegal use of snares and gin traps. **Iman Memarian**
13. Severe conjunctivitis associated with *Chlamydia felis* infection in a free-ranging Eurasian lynx (*Lynx lynx*). **Iris Marti**
14. European College of Zoological Medicine Residency in Wildlife Population Health. **Helle Bernstorff Hydeskov**
15. Fatal co-occurrence of *Mycoplasma ovipneumoniae*, *Mycoplasma agalactiae* and *Pasteurellaceae* in an alpine chamois. **Nicoletta Formenti**
16. How specific and sensitive is the visual diagnosis of Sarcoptic mange in free-ranging Iberian ibexes? **Marta Valdeperes**
17. Novel Salmonella variant associated with mortality in great spotted woodpeckers (*Dendrocopos major*) from Great Britain. **Vicky Wilkinson**
18. Red kite (*Milvus milvus*) white blood cell changes during migration and winter rest in Huesca, Spain. **Ursula Höfle**
19. Herpesviruses in free living owls in Slovenia. **Jozko Racnik**
20. New tool for improving the post-mortem diagnosis of diseases in wild boar: the use of serum biochemistry. **Bonin Léa**

21. Towards protocol building for biodiversity mapping of terrestrial gastropods. **Christos Domenikiotis**
22. Nest mite communities of migratory and sedentary white storks (*Ciconia ciconia*) and migratory black storks (*Ciconia nigra*) at the end of the migratory period. **Ursula Höfle**
23. Serological survey of sarcoptic mange in Mediterranean Iberian ibex (*Capra pyrenaica*) populations. **Marta Valdeperes**
24. Trichomonas gallinae genotype B in hand-reared wild Mississippi kites (*Ictinia mississippiensis*). **Joao Brandao**
25. Complete Blood Counts and Hematologic Values in Bobwhite Quail (*Colinus virginianus*). **Joao Brandao**
26. Investigation of temporal shedding of bacterial fecal pathogens in captive monkeys. **Amanda Salb**
27. Outbreak of Canine Distemper in Red foxes (*Vulpes vulpes*) in Austria. **Annika Posautz**
28. Bifidobacterial occurrence in cotton-top tamarin (*Saguinus oedipus*) and emperor tamarin (*Saguinus imperator*). **Camillo Sandri**
29. Canine Distemper: an actual old issue for wildlife conservation. **Marco Gobbi**

Coffee Break & Poster Session II

- **Aquatic animals and ecosystems**
- **Wildlife Health, Management and Conservation**

**Conference Venue/
Foyer**
**Wednesday, 29/08/2018
17:30 - 18:15**

1. Immunohistochemical investigation of the cross-reactivity of selected cell markers in formalin-fixed, paraffin-embedded lymphoid tissues of Franciscana (*Pontoporia blainvillei*). **José L. Catão-Dias**
2. Can Irish seals be One Health sentinels? A pilot study. **Ana Vale**
3. Guiana dolphin mass-mortality linked to cetacean morbillivirus, Brazil. **José L. Catão-Dias**
4. Fatal case of disseminated phaeohyphomycosis in a free-living common toad (*Bufo bufo*) in the United Kingdom caused by *Exophiala* sp. **Katharina Seilern-Moy**
5. Status of Marine Mammals' and Reptiles Strandings in the Greek Coasts between 2014-2015. **Evangelia Kofidou**
6. Causes of Stranding of Loggerhead Turtles (*Caretta caretta*) in Northern Greece (2010-2018): A Retrospective Study. **Zacharias Vougioukalos**
7. An unusual case of peripheral neuropathy in a captive Brown pelican (*Pelecanus occidentalis*). **Jose Raduan Jaber Mohamad**
8. Distribution of the protected sea urchin *Centrostephanus longispinus* (Philippi, 1845) in the Dodecanese (south Aegean Sea, eastern Mediterranean). **Dimitris Vafidis**
9. Optimization of sampling techniques and molecular detection of Herpesviridae in Neotropical primates. **Patricia Mendoza**
10. Seroprevalence to *Brucella* spp. in wild boars of Campania region during the 2016-2017 hunting season. **Luigi Esposito**
11. A Molecular Study of Seven Selected Pathogens in Cypriot Mouflons (*Ovis orientalis ophion*) using Archived Blood Stored on Filter Papers. **Athinodoros Athinodorou**
12. Gastrointestinal parasites of ungulates in Greenland: Possible transmission between wild muskoxen (*Ovibos moschatus*) and free-roaming domestic sheep (*Ovis aries*)? **Rebecca P. D. Berg**
13. Aspiration of spruce twigs in wolves (*Canis lupus*). **Karin M Olofsson**
14. Parasitic fauna of the American mink, Neovison vison, in Valencian community, Western Spain. **Jose Sansano-Maestre**

15. Diagnosis improvement of oropharyngeal avian trichomonosis: application to sampling Bonelli's eagle chickens in nests. **Gómez-Muñoz, M.T.**
16. The role of the invador California Kingsnake (*Lampropeltis californiae*) in the life cycle of local parasites in Gran Canaria, Spain. **Jose Raduan Jaber Mohamad**
17. Endoparasitosis in hedgehogs from the Valencia Community (West Spain). **Jose Sansano-Maestre**
18. Helminthological status of Balkan chamonis from Rhodope Mountains. **Daniel Mladenov**
19. Paratuberculosis infection in wild ruminants in Bulgaria. **Daniel Mladenov**
20. Clinical aspects and diagnostic investigation of a fatal outbreak in wild birds in reservoir of Karla, Thessaly, Greece. **Dimitrios Chatzopoulos**
21. *Toxoplasma gondii* and *Neospora caninum* in wild boars: seroprevalence and potential biosecurity implications in areas with different levels of animal productions. **Nicoletta Formenti**
22. Epidemiological investigation on erysipelas in wild boars: spread, isolation and potential impacts at the wildlife-domestic-human interface. **Nicoletta Formenti**
23. Avoiding ruffled feathers – methods of reducing injuries and stress during waterfowl capture for disease sampling. **Michelle O'Brien**

Coffee Break & Poster Session III

- **Vector Borne Diseases**
- **Wildlife tuberculosis: epidemiology and control**
- **Emerging and re-emerging diseases**

**Conference Venue/
Foyer**
**Thursday, 30/08/2018
17:00 - 18:00**

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1. Blood parasites in passeriform birds in Belgium. **Paul Tavernier**
 2. Field investigations to infer potential wildlife reservoir hosts and their contribution to the enzootic maintenance of borrelia miyamotoi, a tick-borne pathogen, in the north central USA and laboratory investigations to infer potential wildlife reservoir hosts for *Borrelia miyamotoi*. **Seungeun Han**
 3. Prevalence and distribution of vector-borne parasites in Pyrenean chamois from the eastern Spanish Pyrenees. **Johan Espunyes**
 4. Mortality of captive azure-winged magpie nestlings caused by Usutu virus. **Denise Thaller**
 5. Pathogens of zoonotic importance detected in ticks from wild mammals in North-West Italy. **Francesca Rizzo**
 6. Wild bird surveillance in North-West Italy: West Nile and Usutu findings from 2015 to 2018. **Francesca Rizzo**
 7. Thelaziosis in wolf, foxes and brown bear from Greece. **Elias Papadopoulos**
 8. Schmallenberg virus exposure in wild ruminants in Spain, 2010-2016. **Ignacio García - Bocanegra**
 9. Protocol for the rehabilitation and release of badgers (*Meles meles*) in England, with consideration of Bovine tuberculosis (*Mycobacterium bovis* infection). **Elizabeth Mullineaux**
 10. A severe case of red deer Tuberculosis caused by *Mycobacterium microti*. **Walter Glawischnig**
 11. Tuberculosis and wild boar: frequentist and bayesian approaches to evaluate diagnostic tests when *Mycobacterium bovis* is present in wild boar but at low prevalence. **Céline Richomme**
 12. First test of delivery of candidate baits for oral vaccination of badgers against bovine tuberculosis in France. **Ariane Payne**

13. Surveillance of bovine tuberculosis in wildlife in France: methodological constraints to monitor prevalence in at-risk areas. **Stéphanie Desvaux**
14. Contact networks between cattle herds: structure and contribution to bovine tuberculosis transmission. **Malika Bouchez-Zacria**
15. *Mycobacterium bovis* transmission between cattle and free-ranging wild ungulates in Eastern Pyrenees. **Bernat Pérez de Val**
16. Tuberculosis outbreak in Montseny Natural Park involving free-ranging wild boar and domestic goats. **Bernat Pérez de Val**
17. Searching for lagoviruses in Flemish hares. **Paul Tavernier**
18. Estimating Apicomplexan parasite exposure in Icelandic arctic foxes (*Vulpes lagopus*). **Gábor Á. Czírják**
19. Identification in European hare of new RHDV2 recombinant virus. **Antonio Lavazza**
20. *Brucella melitensis* shedding in Alpine ibex: age and sex heterogeneity. **Sébastien Lambert**
21. TSE found in a Finnish moose *Alces alces*. **Marja Isomursu**
22. Chronic Wasting Disease surveillance programme for Sweden 2018-2020. **Erik O. Ågren**
23. A multi-disciplinary approach to investigations of supplementary salt-licks as transmission hot-spots for CWD and endoparasites in Norway. **Kjersti Selstad Utaaker**
24. Not CWD: Diagnoses from cervid heads submitted for CWD surveillance in Sweden. **Caroline Bröjer**
25. Monitoring of the Rabbit Hemorrhagic Disease virus 2 (RHDV2) epidemics in European wild rabbit (*Oryctolagus cuniculus*) in Andalusia (Spain), 2013-2017. **Leonor N. Camacho Sillero**

Coffee Break & Poster Session IV
▪ Wildlife and Public Health
**Conference Venue/
Foyer**
**Friday, 31/08/2018
15:30 - 16:15**

1. Tapeworms on the rise. Increasing prevalence of *Echinococcus multilocularis* in eastern Austria. **Fabian Bagó**
2. Molecular detection of human pathogenic *Leptospira* in small mammals. **Stefan Fischer**
3. The host age related occurrence of *Alaria alata* in wild canids in Latvia. **Zanda Ozoliņa**
4. Malignant lymphoma in lesser hedgehog tenrec (*Echinops telfairi*) - Case series. **Pavel Kvapil**
5. Post-mortem findings in free-ranging European brown hares (*Lepus europaeus*) from Schleswig-Holstein, Germany. **Marcus Fährndrich**
6. Preliminary study on gastrointestinal parasite community of urban brown rats (*Rattus norvegicus*), Vienna, Austria. **Diana Gliga**
7. Being a European or not: Searching for the reservoir of zoonotic Variegated squirrel bornavirus 1. **Rainer G. Ulrich**
8. High prevalence of cephalosporin resistant Enterobacteriaceae with zoonotic potential in wildlife of Catalonia. **Anna Vidal**
9. Ulcerative enteritis associated with *Clostridium perfringens* in an American kestrel (*Falco sparverius*). **Jose Raduan Jaber Mohamad**
10. *Cryptosporidium* spp. and *Giardia duodenalis* in wild ungulates: zoonotic risk from the Alps? **Tiziana Trogu**
11. Free-ranging red deer contribution to environmental contamination of Shiga toxin-producing *Escherichia Coli* in Italian Alps. **Tiziana Trogu**

12. Zoonotic *Campylobacter* species in sympatric wild and domestic herbivores from alpine ecosystems in the Pyrenees. **Johan Espunyes**
13. Antimicrobial resistance of enteric bacteria in Eastern chimpanzee (*Pan troglodytes schweinfurthii*) and Olive baboon (*Papio anubis*) from Budongo Forest, Uganda. **Johan Espunyes**
14. Epidemiology of zoonotic *Campylobacter* at Gough Island (South Atlantic): the role of brown skuas (*Catharacta antarctica*). **Marta Cerdà-Cuéllar**
15. Seasonal influence in parasite communities of feral cats *Felis catus*, in Gran Canary Island (Spain). **Jose Raduan Jaber Mohamad**
16. A survey on *Campylobacter* spp, *Salmonella* spp, and *Yersinia* spp in faecal samples of hunted wild boars (*Sus scrofa*) in Aosta Valley Region (North Western Italy). **Riccardo Orusa**
17. Aural haematoma in a wolf (*Canis lupus*). **Jose Raduan Jaber Mohamad**
18. *Salmonella* spp. and *Campylobacter* spp. in the livestock-wildlife interface in rural Uganda. **Marta Cerdà-Cuéllar**
19. Serological and molecular investigation of selected bacterial and parasitic pathogens in European brown hare (*Lepus europaeus*); Inferring the Ecological Niche of *Toxoplasma gondii* and *Leishmania infantum* in hares. **Constantina N. Tsokana**

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The guidance, support and economic contribution of the above bodies have allowed us to organize the Conference the best way possible and we need to express them our gratitude.

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