

A scenic view of a coastline. In the foreground, there is a grassy hillside with some trees. The middle ground shows a dark sandy beach with waves breaking onto it. The water is a vibrant turquoise color. In the background, a rocky cliffside features a small white building with a red roof and a bell tower. The sky is a clear, bright blue.

**2nd Regional Meeting
Mediterranean Region
of The European
Federation of Animal Science**

**NICOSIA - CYPRUS
24 - 26 APRIL 2024**

**PROGRAMME
EAAP 2024**

Thanks to



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The European Federation of Animal Science (EAAP)

The main aims of the EAAP are to promote, by means of active co-operation between its members and other relevant international and national organisations, the advancement of scientific research, sustainable development and production systems; experimentation, application and extension; to improve the technical and economic conditions of the livestock sector; to promote the welfare of farm animals and the conservation of the rural environment; to control and optimise the use of natural resources in general and animal genetic resources in particular; to encourage the involvement of young scientists and technicians. More information on the organisation and its activities can be found at www.eaap.org.

Former Presidents

1949-1961	A.M. Leroy (France)
1961-1967	R. Trehane (United Kingdom)
1967-1972	J.M. Rijssenbeek (The Netherlands)
1972-1978	J.H. Weniger (Germany)
1978-1984	E.P. Cunningham (Ireland)
1984-1990	A. Roos (Sweden)
1990-1996	A. Nardone (Italy)
1996-2000	P. Solms-Lich (Germany)
2000-2004	A. Aumaitre (France)
2004-2008	J. Flanagan (Ireland)
2008-2012	K. Sejrsen (Denmark)
2012-2016	P. Chemineau (France)
2016-2020	M. Gauly (Germany)

Council members

President

- Isabel Casasús (Spain)

President - elect

Jöel Berard (Switzerland)

Vice-Presidents

- Peter Sanftleben (Germany)
- Hans Spooler (the Netherlands)

Members

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- Olga Moreira (Portugal)
- Klemen Potocnik (Slovenia)
- Diana Ruska (Latvia)

FAO Representative

- Badi Besbes

Auditors

- Zdravko Barac (Croatia)
- Georgia Hadjipavlou (Cyprus)

Alternate Auditor

- Jeanne Bormann (Luxembourg)

Secretary General

- Andrea Rosati

European Federation of Animal Science has close established links with the sister organizations American Dairy Science Association, American Society of Animal Science, Canadian Society of Animal Science and Asociación Latinoamericana de Producción Animal.



Welcome to the EAAP Regional Meeting in Nicosia

On behalf of the Cyprus Organizing Committee, it is our honour and pleasure to welcome you to the 2nd Regional Meeting of the EAAP, which is taking place in Nicosia (Lefkosia), the capital of the Republic of Cyprus. This event is organised as a result of a joint initiative of the Mediterranean Working Group (Med WG) and represents the continuation of a new strategy in the development of EAAP activities.

In the past, the Med WG had mainly organized independent thematic symposiums, often in collaboration with other institutions such as CIHEAM and/or FAO, with the most recent one in Corte (2008). In recent years, the Med WG has continuously been organising successful scientific sessions or symposia within the EAAP annual meeting, always in collaboration with one or more EAAP Scientific Commissions. As all EAAP scientific entities, the Med WG has no formal institutional constitution and works on the basis of volunteer involvement of the participants. This regional EAAP meeting plans to focus on the Mediterranean region's specific attributes, gaps, needs and potential advantages in terms of research and development in animal production.

At a time of rapid development of computing and digital communication technologies, bringing people together is essential for building and developing scientific and personal relationships. The speed of scientific progress and the increase in scientific knowledge underline the need for active exchange and the formation of broader teams to address people's current needs. It is expected that by 2050 there will be 9.7 billion people on Earth, and more than 60% of them will live in urban agglomerations with no direct connection to the land and their own food production.

The science in animal production is currently facing many challenges, such as climate change, the use of marginal land unsuitable for other types of production, the use of raw materials unsuitable for human consumption, increasing production intensity, the need to ensure sustainability and animal health and welfare. Due to scientific advances in interdisciplinary research, agriculture, and in particular livestock production, continues to constitute one of the main pillars supporting food production, while also decisively contributing to rural development, agroecology and biodiversity protection, especially in harsh environments such as the Mediterranean area. The programme of the EAAP regional meeting in Nicosia will provide a much-needed platform for scientific exchange, in order to gain various insights into aspects of cutting-edge research in animal genetic resources, nutrition, genetics, technological advancements, livestock farming systems, animal health and welfare and climate and environmental changes affecting all dimensions of livestock production. We believe that the meeting will be full of new and interesting information, will bring interaction and create a space for strengthening existing and establishing new relationships between scientists and teams in the Mediterranean region and beyond. In addition to the scientific programme, you can look forward to an enjoyable stay at the hospitable island of Cyprus and pleasing social events within the duration of the meeting. We hope the 2nd EAAP Regional Meeting for the Mediterranean region will be a unique opportunity to combine fruitful scientific interactions with the exploration of the cultural treasures of Cyprus. We wish you a pleasant stay in our beautiful city and country!

Organizers of the 2nd Mediterranean EAAP Regional Meeting

President of the Meeting

Georgia Hadjipavlou

Animal Production Section,
Agricultural Research Institute, Cyprus



International Scientific Board

- Isabel Casasús - EAAP president
- Georgia Hadjipavlou - EAAP Sheep & Goat Commission
- Christos Dadousis - EAAP Sheep & Goat Commission, YoungEAAP
- Christina Ligda - EAAP Mediterranean Working Group
- Filippo Miglior - EAAP Genetics Commission
- Giuseppe Bee - EAAP Pig Commission
- Ioanna Pouloupoulou - EAAP Livestock Farming Systems Commission
- Luciano Pinotti - EAAP Nutrition Commission
- Yuri Montanholi - EAAP Physiology Commission, Cattle network Working Group
- Keelin O'Driscoll - EAAP Health and Welfare Commission
- Peer Berg - EAAP FAnGR Working Group

National Organizing Committee

- Vassilis Vassiliou - Head of Animal Production Section, ARI, Cyprus
- George Adamides - Head of Rural Development Section, ARI, Cyprus
- Dionysis Sparaggis - Animal Production Section, ARI, Cyprus
- Michalis Omirou - Agrobiotechnology Section, ARI, Cyprus
- Dionysia Fasoula - Plant Improvement Section, ARI, Cyprus
- Andreas Stylianou - Rural Development Section, ARI, Cyprus



About the Agricultural Research Institute

The Agricultural Research Institute (ARI) is a Department of the Ministry of Agriculture, Rural Development and Environment. ARI was established in 1962 as the first Research Institute in Cyprus, after the independence of Cyprus, in cooperation with the Special Development Fund of the United Nations and the Food and Agriculture and became the property of the Government of Cyprus in 1967. The vision of the Agricultural Research Institute is to be a model centre of knowledge and innovation, and lead Cyprus to a better future by strengthening rural development, improving the quality of life, and ensuring the sustainable use of natural resources. ARI is the only institute in Cyprus that conducts innovative applied agricultural research aiming to create and transfer knowledge for the development of the primary sector and to solve problems at the farmer level. Research results are transferred to stakeholders through modern educational programs and dissemination tools. In 2000, ARI was designated as a new European Centre of Excellence in Agriculture and the Environment. It is a highly dynamic organization, maintaining fruitful collaborations with national, regional and international organizations and research networks, as well as >30 academic and/or research institutions in Cyprus and abroad, having successfully implemented several research and innovation projects funded on a competitive basis by the National, the European Framework, and other Regional and International Funding Programmes. ARI is composed of eight scientific sections, in which about 30 scientists, supported by technicians and field workers, conduct research in the following areas: Animal Production, Plant Improvement, Vegetable Crops, Fruit Trees, Natural Resources and Environment, Plant Protection, Rural Development and Biotechnology. ARI scientists have wide experience on agri-genomic studies of animal, crop and soil microbial genetic resources, on long-term collection of associated phenotypes in field conditions and on smart applications and technological advancements on farm. ARI, in addition to the central facilities and laboratories in Nicosia, where the meeting will be held, has also unique field and farm facilities and training Centres across Cyprus to conduct its diverse experiments. Finally, ARI scientists are also involved in the training and co-supervision of students from various universities in Cyprus and abroad.

Industry Members Club



EAAP started in 2023 a new initiative to create closer connections between European livestock industries and the animal science network. Therefore, the “EAAP Industry Club” was shaped with the specific aim of bringing together the important industries of the livestock sector with our European Federation of Animal Sciences. All companies dealing with animal production (nutrition, genetic, applied technologies, etc.) are invited to join the “EAAP Industry Club” because industries will have opportunity to increase their visibility, to be actively involved in European animal science activities, and to receive news and services necessary to industries. In addition, through the Club, industries will enlarge their scientific network and will receive specific discounts on sponsoring activities.

The Industries that already joined the “EAAP Industry Club” are:



The Club gives:

Visibility • Company name and logo at EAAP website and all relevant documents • Slides with name and logo at Official Events • Priority links with EAAP Socials • Invite, through EAAP dissemination tools and socials, people to events organized by your company • Information disseminated through a brand new Industry Newsletter • Networking • Joining the Study Commissions and Working Groups • Suggest topics to be considered for Annual Meetings Scientific Sessions • Organize Professional Panel through the EAAP platforms • Economic Benefits • One free registration to each Annual Meeting and at every meeting organized by EAAP • Five individual memberships at no cost • Many possible discounts (-30%) to increase company visibility through: EAAP Newsletter, EAAP website, EAAP Annual Meetings and workshops • Support young scientist by sponsoring scholarships named by the company • Co-Organize and sponsor webinars

Make yourself more visible within the livestock industry via the animal science network!

For more information please contact eaap@eaap.org

YoungEAAP



What is the YoungEAAP?

YoungEAAP is a group of young scientists organized under the EAAP umbrella. It aims to create a platform where scientists during their early career get the opportunity to meet and share their experiences, expectations and aspirations. This is done through activities at the Annual EAAP Meetings and social media. The large constituency and diversity of the EAAP member countries, commissions and delegates create a very important platform to stay up-to-date, close the gap between our training and the future employer expectations, while fine-tuning our skills and providing young scientists applied and industry-relevant research ideas.

Committee Members at a glance

- Ines Adriaens (President)
- Jana Obsteter (Vice President)
- Giulia Gislou (Secretary)

YoungEAAP promotes Young and Early Career Scientists to:

- Stay up-to-date (i.e. EAAP activities, social media);
- Close the gap between our training and future employer expectations;
- Fine-tune our skills through EAAP meetings, expand the special young scientists' sessions, and/ or start online webinars/training with industry and academic leaders;
- Meet to network and share our graduate school or early employment experiences;
- Develop research ideas, projects and proposals.

Who can be a Member of YoungEAAP?

All individual members of EAAP can join the YoungEAAP if they meet one of the following criteria: Researchers **under 38 years of age** OR within **10 years after PhD-graduation**.

Just request your membership form (ines.adriaens@kuleuven.be) and become member of this network!!!

Country information: the Republic of Cyprus



Facts about the Republic of Cyprus

Population	918.000 (October 2021)
Area	9.251 km ²
National Languages	Greek, Turkish

Cyprus, officially the Republic of Cyprus, is an island country situated at the north-eastern end of the Mediterranean Sea. Cyprus is the third largest island in the region, with an area of 9,251 square kilometres (3,572 square miles). The capital and largest city is Nicosia (Lefkosia), while the second largest city is Limassol (Lemesos). Cyprus is an independent sovereign Republic with a presidential system of government. Under the 1960 Constitution, executive power is exercised by the President of the Republic, elected by universal suffrage for a five-year term of office through a Council of Ministers appointed by him. Ministers cannot serve concurrently in the House of Representatives. On May 01, 2004 the Republic of Cyprus became a full member of the EU completing a long journey that lasted more than three decades. Accession to the EU was a natural choice for Cyprus, dictated by its culture, civilisation, history, its European outlook and adherence to the ideals of democracy, freedom and justice. EU accession has launched a new era of challenges, opportunities and responsibilities for Cyprus. The application of the EU laws and regulations (the *acquis communautaire*) is suspended in the area under military occupation by Turkey, pending a solution to the division of the island. Meanwhile, the government of Cyprus in cooperation with the EU Commission, has been promoting arrangements to facilitate increased economic transactions between the two communities and improve the standard of living of Turkish Cypriots. On January 01, 2008 the Republic of Cyprus joined the Euro system and in so doing introduced the Euro as its official currency, replacing the Cyprus pound as the unit of account. Thus, Euro banknotes and coins are the country's legal tender. Cyprus is also a member of the United Nations and its specialised agencies, the Council of Europe, the Commonwealth, the Organisation for Security and Cooperation in Europe, and many other international organisations.

Agriculture and EU Common Agricultural Policy (CAP) implementation

Cyprus' agricultural land covers approximately 135 560 hectares. There are about 34 940 farms, rather small in size, with an average of 3 hectares. In fact, more than 75% of the farms occupy less than 2 hectares. About 60% of Cypriot farms produce olives, citrus fruits or a combination of other permanent crops, such as grapevine. The Cypriot farm labour force employs around 72000 persons, the majority of which represents family holdings. Even if the unemployment rate between 2018 and 2020 has been reduced by 1% in rural areas, it remains the highest share in the country with 8.1%. Unemployment in rural areas remains an issue, especially for young people, in light of the aging population trend.

The approved 2023-2027 CAP Strategic Plan of Cyprus will provide an opportunity to renew the agricultural potential of Cyprus, creating a robust primary sector. It aims to respond to the concerns of producers and consumers, to attract younger generations, maintain social cohesion and promote a sustainable rural development. In parallel, it intends to protect the environment in which farmers operate. The Plan will work with a view to shift towards a new agricultural model, which respects the use of natural resources and commits to preserving and improving them.

Cyprus aims to increase the sustainability and resilience of the agricultural sector by expanding the production of high-quality agricultural products while improving the economic viability of small and medium-sized holdings. Due to the importance of halloumi cheese (a registered Protected Designation of Origin (PDO), the main Cypriot agricultural export), the Cypriot Plan aims to enhance the sheep and goat farming sector. It will financially support the income of small sheep and goat farmers and will introduce measures to modernise farms and improve animal welfare, in order to increase productivity and the average holding size. Cyprus aims to improve farm competitiveness and market orientation and will do so by contributing to investments, both in the primary sector and in the sector processing agricultural products. Farm modernisation and improvements in the production processes will help address the shortfalls in capital productivity and in turn the ability of Cypriot farms to operate on the international market. The farmers' position in the value chain will be improved by strengthening their negotiating position by fostering participation in collective schemes.

Cyprus aims to increase its environmental and climate ambition as the country faces major challenges in these areas. Water management (quantity and quality) and soil preservation (fighting soil erosion and pollution) have been identified as the most important priorities. Nevertheless, the CAP plan also addresses other important issues, such as the mitigation of, and adaptation to, climate change, the protection of biodiversity, forests and air quality.

About Nicosia



Greater Nicosia is probably the only area in Cyprus that can boast continuous habitation since the beginning of the Bronze Age, 2500 BC, when the first inhabitants settled in the fertile plain of Mesaoria. Ancient Ledra, in the Ptolemaic period was also named Lefkothea. In the first years of Christianity in Cyprus, around 348 AD, it was known as Lefkousia or Ledri and was a small town. After the Arab raids in the 6th century AD and the pillage that ensued in the coastal cities, people moved to the centre of the island, in the Mesaoria plain and the mountainous areas. Nicosia had probably become the centre of administration and the island's capital in either the 9th or 10th century. It had acquired a castle and was the seat of the Byzantine governor of Cyprus. The last Byzantine governor of the island was Isaac Komnenos and ruled the island from 1183 –1191. Richard the Lionheart and his fleet were on their way to the Holy Land when one of his ships ran aground in Limassol and his fiancée Berengaria of Navarre was taken prisoner by Isaac Comnenus. Richard laid siege to Nicosia and defeated Isaac. Richard the Lionheart became ruler of the island but sold the island to the Templars. Guy de Lusignan, King of Jerusalem, bought Cyprus from the Templars and Nicosia became capital of his kingdom. He imposed a harsh feudal system and the vast majority of Cypriots were reduced to the status of serfs. The first Lusignan castle was built during the reign of King Henry I, in 1211.

In 1468, Caterina Cornaro, the daughter of a well-known and powerful family of Venice, married the Cyprus king, James II. In 1473, after a sudden illness, James II died and Caterina Cornaro ruled Cyprus from 1474 to 1489. She was forced to cede the administration of the country to the Republic of Venice. On May 14, 1489, she was obliged to leave the island. This marked the end of the mediaeval kingdom of Cyprus. The Venetians ruled the island from 1489-1571. Nicosia was their administrative centre and the seat of the Venetian Governor. Since the threat from the Ottomans was visible, in 1567, the Venetians decided to fortify the city of Nicosia. The new

walls had the shape of a star with eleven bastions. The heart shape design of the bastion was more suitable for the new artillery available and gave the defenders better control. The walls had only three gates, Kyrenia Gate to the north, Paphos Gate to the west and the largest to the east, Famagusta Gate, also named Porta Julia in honour of the architect. The new walls of Nicosia were considered the prototype of renaissance military architecture. On July 1, 1570, the Ottomans arrived on the island while on July 22, Piale Pasha and his army marched towards Nicosia. After its siege by the Ottomans, the city was deserted. The foreign travellers who visited refer to its great walls that were ruined, its few inhabitants and the large but deserted houses.

Nicosia revived its old splendour around the mid-nineteenth century, when the administration of the island was generally more tolerant. On July 5, 1878, the administration of the island was officially transferred to the United Kingdom. The signing of the Zurich and London Agreements in February 1959 inaugurated a period of transition. During the following months, Nicosia was at the heart of the administrative and constitutional preparations for Independence. On 13 December 1959, Makarios was elected President of the Republic of Cyprus and Nicosia officially became capital of the Republic of Cyprus, whose constitution is based on the co-operation of the island's two communities, Greek and Turkish, in a ratio of seven to three. Greek Cypriots make up about 80 per cent of the island's population and Turkish Cypriots 18 per cent. The remaining two per cent are Latins, Armenians and Maronites, who at the time of independence opted to belong to the Greek Cypriot community.

In December 1963, in the aftermath of a constitutional crisis, skirmishes broke out between the Greek Cypriots and Turkish Cypriots. Nicosia was divided into Turkish and Greek quarters. The dividing line, which cuts through the city, was named the Green Line because the pen used by the UN officer to draw the line on a city map was green.

Today, cosmopolitan, glamorous and bustling, the capital of Lefkosia (Nicosia) is uniquely comprised of an ancient, walled city and a modern, fast-paced metropolis that is the epicentre of the island's business and commercial activity. There is no end to the options that Lefkosia provides, blending the current with the traditional. A wealth of interesting galleries and museums mix with fun entertainment for all the family. And its selection of cuisine is equally as diverse as its overall character. All at once, you will be transported back to Medieval times at the ancient city that is surrounded by Venetian walls and heart-shaped bastions, and yet, just a heartbeat away you are undoubtedly in a progressive, European capital. As you leave the city and enter the rural areas of the region, a different world unfolds; tranquil and picturesque, stretching across countryside and mountain villages, and offering further pursuits such as hiking and cycling in traditional surroundings. A city always on the go, the many layers of Lefkosia's various attractions and features make it the island's capital in every sense.



Conference venue



The Agricultural Research Institute main building is located in the Aglandjia area, at the northwestern part of the Athalassa national park. It comprises administration offices, various laboratory facilities, greenhouses, as well as seminar rooms and a library. ARI is next to the Cyprus Institute (Cyl), a renowned research institute in environmental research and technology development. Cyl also has various meeting and seminar rooms within 100m distance from the ARI premises. These will also be made available to ARI for the purpose of the EAAP Mediterranean regional meeting activities.

Useful information

Official language

The official language of the EAAP annual meeting is English. No translation will be provided.

Passport and visa

Cyprus is part of the European Union, which means that all other EU country nationals can travel to Cyprus without a visa. Additionally, there is also a list of non-EU countries who also enjoy visa-free travel to Cyprus, provided that their stay is less than 90 days, including the US, Australia, New Zealand etc. More details on short-stay visa can be found here:

<https://visaguide.world/europe/cyprus-visa/short-stay/>

Official invitation and certification

An official letter will be sent upon request to assist in meeting administrative requirements. However, this invitation implies no obligation, financial or otherwise, by the EAAP organising committee. A certificate of attendance will be available for all the registered participants.

Liability and insurance

The organizing committee cannot accept liability for personal accidents or loss of/or damage to private property of participants and accompanying persons. Participants are advised to acquire their own personal travel and health insurance for their trip.

Health and emergency

In case of emergency, landline or mobile phone users should call 112, the European emergency number to be sent for the relevant department.

Currency

The currency in Cyprus is the Euro (€).

Local time zone

The local time in Cyprus is EEST (UTC/GMT +2 hour).

Climate

One of the southernmost locations in Europe, Nicosia's climate is classified as subtropical and semi-arid. Summers are very hot and dry, you can expect temperatures to regularly rise above 35°C. Pleasantly warm temperatures are common early in the spring and late in the autumn, making these good times to visit. Winter is the wettest time of the year, though even then just 7-8 days of the month see rain. During mid-winter, the temperature may sometimes drop below freezing and light frost and sleet occurs, but snowfall is very rare, and takes place mainly in the Troodos mountain.

Electricity

For Cyprus the associated plug type is G, which is the plug that three rectangular pins in a triangular pattern which is the same as the UK sockets. Cyprus operates on a 230V supply voltage and 50Hz.

Transport to and from the meeting venue

Free shuttle bus service will be offered to regional meeting delegates **outside the Centrum Hotel** at 13:30 on the 24th April and at 7:30 am every morning on the 25th and 26th April. **The same bus will also make a stop** at 13:45 on the 24th April and at 7:45 am every morning on the 25th and 26th April **in front of the Semeli Hotel**.

Public transportation is also available very close to the site (10 minutes on foot through a safe route). Public transport routes and timetables are available here:

<https://www.publictransport.com.cy/routes/page/routes-and-timetables>

Nicosia city centre-ARI: Bus number 3, Start: Solomou square, End: Alampra bus station. Get off at stop number 12 (Lemesos avenue- Kalispera), then 10 minutes on foot to Cyprus Institute and then ARI.

On the 24th April, buses will leave the Agricultural Research Institute (ARI) at 18:15 with an initial stop at the Semeli hotel and then terminate at the Centrum hotel. On the 25th April, buses will leave the Agricultural Research Institute (ARI) at 17:30 with an initial stop at the Semeli hotel and then terminate at the Centrum hotel.

On the 26th April, buses will leave the Agricultural Research Institute (ARI) at 12:45 with an initial stop at the Semeli hotel and then terminate at the Centrum hotel.

Travel

By plane

Larnaca Airport (LCA) (40 km, 30-min drive) has scheduled flights to all major European cities. Further away, the second smallest airport in Cyprus, the Paphos Airport (PFO IATA) is a 140-km (1 hr 40 min) drive from Nicosia. An airport shuttle bus operates between Larnaca Airport and Nicosia, and between Paphos airport and Nicosia. This shuttle bus does not stop in the city center so you will have to take a taxi or take a public bus from Limassol Avenue to city centre (very close to the airport shuttle bus stop in Nicosia). Please be aware that travel to Cyprus through other airports (e.g. Ercan) is illegal, and you will be refused entry to the Republic of Cyprus if you arrive there.

By boat

Limassol (80 km away) and Larnaca (40 km away) ports have passenger terminals with ferry and cruise ship services to Lebanon, Israel, Egypt and Greece. Timetables vary considerably, with the summer season being the busiest.

By road

Nearly all visitors arrive via the southern highway from Larnaca (43 km) and Limassol (83 km). Regular, cheap and reliable intercity bus services connect Nicosia to the centre of Cyprus' other cities. Private hire taxis are considerably more expensive. Car hire is also affordable and all major car hire companies are represented at both airports. Cyprus By Bus provides information about buses in Nicosia. Nicosia's central bus station is at Solomos square, right at the old city walls.

Information for participants

Registration desk

The registration desk will be open at the main entrance of the Agricultural Research Institute. It will be operating from Wednesday 24th April 2024 at 11.00.

To authors

If authors do not wish to give permission to have the pdf presentation or poster available on the EAAP website, they must inform EAAP before April 30th (after the conference) by sending an email to eleonora@eaap.org. After this date, EAAP will assume permission and include your presentation/poster on the EAAP website.

Posters

Physical boards and/or tripods will be available in the foyer area of the ARI main entrance for poster presentations (portrait format, A1 size).

Theatre presentation upload desk

Besides the registration desk, there will be an upload desk for the theater presentations, where the support team will assist all participants.

All presenting authors are requested to upload their presentations and mount their posters on Wednesday, 24th of April, from 9:00 – 12:00.

Please bring your presentation on a portable USB drive.

Please prepare your poster in portrait format, A1 size.

Meeting rooms are equipped with MS Windows computers. Therefore PowerPoint presentations (*.ppt; pptx) are preferred.

When preparing a presentation, according to the time schedule, consider approx. 3 min. for questions/ discussion at the end of each presentation.

Conference website

The EAAP 2024 Regional Meeting website is available and optimized for smartphone navigation. It contains comprehensive information about the conference and venue program.

Conference website: <https://regional2024.eaap.org/>

Scientific programme

Wednesday 24 April

Session 1. Animal genetic resource management in harsh environments: Current status, challenges and potential advantages

Room: ARI Seminar Room
Chair: Ligda / Charvolin-Lemaire
Session Type: Theme session

Theatre Session 1

- 15:00 Breed diversity in the Mediterranean region, setting the scene
G. Leroy, L. van der Giessen, P. Boettcher, R. Baumung
- 15:15 Implementing the GPA: the importance of monitoring the Transboundary breeds in Europe.
E. Charvolin-Lemaire, D. Tsiokos, E. Sturaro, C. Ligda
- 15:30 The European Regional Focal Point (ERFP) Ex Situ Conservation Working Group: stronger together in the sustainable use of Animal Genetic Resources.
F. Tejerina, C. Danchin, M. Castellanos
- 15:45 EUGENA - bringing together the nationally designated AnGR gene banks in Europe
Z. Duchev, F. Tejerina, S.J. Hiemstra
- 16:00 Status of implementation of (EU) 2016/1012 for endangered breeds: Status quo and challenges in Mediterranean countries
L. Balzar, H. Göderz, J. Wider, C. Danchin, S. J. Hiemstra, M. Spoelstra

16:30 Coffee break

- 17:00 Implementing a farmer aid scheme for innovative phenotyping and high-throughput genotyping studies of Cyprus sheep and goats
G. Maimaris, A. C. Dimitriou, S. Andreou, S. Panayidou, T. Christofi, L. Koniali, P. Savvides, P. Markou, G. Hadjipavlou
- 17:15 Ibero-American Society on the Conservation of the Local Domestic Animal Biodiversity for the Sustainable Rural Development. CONBIAND NETWORK
J. V. Delgado Bermejo
- 17:30 Fostering cooperation for the management of animal genetic resources in the Mediterranean region
C. Ligda, E. Sturaro, G. Hadjipavlou, E. Charvolin-Lemaire

Thursday 25 April

Session 2. Combining the diversity of genetic resources and farming practices to ensure resilience at different scales, in the Mediterranean and other harsh environments

Room: ARI Seminar Room
Chair: Hadjipavlou / Casasús
Session Type: Plenary session

Theatre Session 2

- 9:00 Precision livestock farming to increase the resilience of Mediterranean grazing systems
F. Maroto Molina, E. Padrón Tejera, M. J. García García
- 9:30 Towards sustainable and innovative Mediterranean pastoral systems
A. Ragkos

10:00 Breeding sheep fit for the future: how do we make them more resilient?

J. Conington

11:00 **Coffee break**

Poster Session

- 01.01 Biodiversity loss due to the overgrowing in the harsh Mediterranean area of Slovenian karst
D. Bojkovski, T. Flisar, M. Simčič
- 01.02 Monitoring of population size in small ruminants in Slovenia
T. Flisar, D. Bojkovski, M. Simčič, A. Cividini
- 01.03 Inbreeding trends and genetic diversity in the population of Ile de France sheep breed in Bulgaria
Z. Ducheve, E. Achkakanova
- 01.04 Genetic resources of sheep in Slovakia
J. Tomka, J. Huba, I. Pavlík
- 01.05 Building ex situ conservation strategy from polish perspective
E. Sosin, A. Chelmińska
- 01.06 Genome-wide assesment of inbreeding (FROH) in Pag sheep
A. Kasap, M. Špehar, V. Držaić, B. Mioč, D. Barač, Z. Barač, J. Ramljak
- 01.07 Genetic and Phenotypic Diversity Assessment of Local Chicken Populations in Algeria: Insights from the PRIMA SCALA-MEDI Project
N. Tabet Aoul, F. Z. Mahammi, S. F. Boudali, S. Ayad, G. Zitouni, S. B. S. GAOUAR, " and the SCALA-MEDI consortium"
- 01.08 The breeders' associations - the future of native breeds
E. Sosin, A. Chelmińska, B. Smulska
- 01.09 Transhumance and local breeds, the ad hoc action of the ERFP
F. Pilla
- 01.10 Assessment of the capacity of alternariol mycotoxin to induce oxidative stress in swine epithelial intestinal cell line IPEC-1
D. E. Marin, C. V. Bulgaru, A. Pertea, I. Grosu, G. C. Pistol, I. Taranu
- 01.11 Ex vivo study on pig jejunum explants exposed to E. coli-LPS and hydrogen peroxide to evaluate the alleviating effect of a mustard by-product extract used as an alternative to medicinal zinc oxide.
I. Taranu, C. Bulgaru, G. C. Pistol, D. E. Marin, AM. Pertea
- 01.12 Amino acids in silkworms *Bombyx mori* L products and their potential applications
M. Haneanu, A. Gheorghe, M. F. Andrei, T. Mihalcea
- 01.13 Dietary coccidiostat influences the relative expression of selected genes in broiler chickens reared on recycled litter
V. Pirgozliev, S. C. Mansbridge, I. M. Whiting, S. P. Rose
- 01.14 Microproteomic based analysis on goat milk protein synthesis pathway
L. Chen, T. Hiroaki, E. Bagnikca
- 01.15 Dietary xylanase increases hepatic carotenoid concentration in chickens
V. Pirgozliev, K. Kljak, S. C. Mansbridge, I. M. Whiting, S. P. Rose
- 01.16 Plants extract efficiency in mulberry silkworm nutrition
A. GHEORGHE, M. HANEANU, M. F. ANDREI, T. MIHALCEA, A. R. MOISE, G. DINITA
- 01.17 Evaluation of the impact of the dietary inclusion of salty and sugary former food products on the liver and plasma profile of pigs through OMICS approaches
M. Manoni, A. Altomare, S. Nonnis, G. Ferrario, S. Mazzoleni, M. Tretola, G. Bee, G. Tedeschi, G. Aldini, L. Pinotti
- 01.18 Grazing behaviour of transhumant goats under climate pressure – the case of western Macedonia, Greece
M. Karatzia, M. Amanatidis, Z. Basdagianni, P. Mitliagka, E. Kasapidou
- 01.19 HaloSheep: Promoting sheep and goat agroecological production systems in Mediterranean saline areas
E. N. Sossidou, M. A. Karatzia, O. Elmaz, I. Gülle, C. García-Estrada, E. Fernández, D. Gruffat, D. Andueza, L. Giglio, A. Palamara, M. Mekki, L. Majdoub- Mathlouthi
- 01.20 Investigating the Role of the Gut Microbiome in Cypriot Cattle Farming
E. Gentekaki, D. Mavrides, M. Liapi, S. Malas, D. Ierodiakonou, A. Tsaousis
- 01.21 Milk and milking parameters and their connection to somatic cell count: A pilot study in Cyprus Chios sheep
S. Panayidou, G. Hadjipavlou
- 01.22 Perinatal mortality in Cyprus Damascus goats: incidence and risk factors

L. Koniali, S. Andreou, T. Christofi, G. Hadjipavlou

01.23 Sheep and goat production systems in saline areas of Türkiye, Tunisia and Greece: Preliminary results

C. Sipahi, R. Aloulou, E. Sossidou, MA. Karatzia, L. Majdoub- Mathlouthi, O. Elmaz

01.24 Water buffalo production in Greece: Challenges and prospects in a competitive environment

A. Ragkos, D. Skordos, D. Roustemis, A. Lympelopoulos

Session 3. Novel apiculture and alternative animal species research findings

Room: Cyl Fresnel Auditorium

Chair: Ligda / Hadjipavlou

Session Type: Theme session

Theatre Session 3

14:00 Bison: wildlife preservation, culture and farming

Y. Montanholi

14:15 Camel hair-types - preliminary results from a phenotype-genotype analysis

S. Bruno, E. Ciani, K. M. Akbar, H. Alhaddad

14:30 Patterns of linkage disequilibrium in wild and farmed European seabass and gilthead seabream Mediterranean populations

J. Fernández, R. López de la Torre, A. Fernández, M. Saura, G. Mir-Arribas, C. S. Tsigenopoulos, B. Villanueva

14:45 DonKeyWorld: a comprehensive study on Equus asinus from biodiversity management to milk nutraceutical and technological properties

M. Ablondi, S. Chessa, E. Ciani, C. Cipolat-Gotet, V. Landi, F. Tiezzi

15:00 Is beekeeping sustainable in the Mediterranean under Climate Change?

J. Fllipi, N. Adjlane, L. Charistos, Š. Kolega, M. Kovačić, F. Requier, C. Riva, F. Hatjina

15:15 Coffee break

15:45 Future climate assessments in Mediterranean basin countries and possible impact on beekeeping and pollination requirements of crops

K. Tolika, F. Requier, A. Varnava, M. Stavrínides, G. Sperandio, G. Gilioli, A. De Francesesco, A. Simonett0, F. Hatjina

16:00 Diversity of breeding goals and practices of organic and non organic beekeepers: the cases of beekeepers from selection groups in southern France

A. Lauvie, J. Labatut, O. Eck, C. Lepagnol

Session 4. Nutrients, feed, feed additives and product quality in a changing environment

Room: ARI Seminar Room

Chair: Pinotti

Session Type: Theme session

Theatre Session 4

14:00 Ewes' diets affect fresh cheese texture parameters

M. R. Marques, A. T. Belo, J. M. B. Ribeiro, C. C. Belo, J. Almeida

14:15 Species comparison (cows and goats) regarding fat metabolism in response to olive cake feeding

O. Tzamaloukas, AL. Hager-Theodorides, M. C. Neofytou, D. Sparaggis, D. Miltiadou

14:30 Evaluation of selected winter forage legumes under Mediterranean rain-fed conditions

I. Pouloupoulou, A. Papageorgiou, T. Chatzigeorgiou, I. Hadjigeorgiou

14:45 Changes of corn silage nutritional quality in the in Po Valley (Italy) over the last 5 years

M. Ottoboni, R. Abbate, E. Grandi, L. Pinotti

15:15 Coffee break

16:00 Preservation of sweet potato co-products as silage for ruminant feed

K. Paulos, C. Costa, J. M. S. Costa, P. V. Portugal, S. P. Alves, F. Lidon, M. R. Marques, E. Jerónimo, M. T. P. Dentinho

- 16:15 Ewes' diets affect fresh cheese sensory properties
J. Almeida, A. T. Belo, J. M. B. Ribeiro, C. C. Belo, M. R. Marques
- 16:30 The effects of synbiotic combinations of grape and camelina by-products mix and Lactobacilli on the inflammatory and antioxidant response in ex vivo intestinal explants
G. C. Pistol, D. E. Marin, V. C. Bulgaru, A. M. Perteu, I. A. Grosu, I. Taranu

Friday 26 April

Session 5. Climate change adaptation and mitigation strategies at animal, feed production and farming system level

Room: Cyl Fresnel Auditorium
Chair: Hadjipavlou / Omirou
Session Type: Theme session

Theatre Session 5

- 9:00 How to select a heat tolerant cow?
I. Misztal
- 9:30 Economic weights for traits of economic interest in dairy sheep breeding programs under the context of climate change
M. Ramon, M. J. Carabaño, C. Díaz, D. Martín-Collado, M. J. Milán
- 9:45 Validation of selection signatures for coat color in the Podolica gray cattle breed
S. Bruno, G. Rovelli, V. Landi, F. Sbarra, A. Quaglia, F. Pilla, E. Lasagna, E. Ciani
- 10:00 Using the Illumina 50k SNP Array as a tool in barley breeding for the first time in Cyprus
N. Price, E. Christofidou, M. Omirou, D. A. Fasoula
- 10:15 From Barn to Biosphere: Tracing Summer Emissions from Goat and Cow Manure in Cyprus
K. Philippou, A. M. Savvides, A. Phokas, G. Themistocleous, D. Sparaggis, G. Hadjipavlou, M. Omirou, I. M. Ioannidis

10:30 Coffee break

- 11:00 The Effects of Thermal Stress on Dairy Cattle: Global Predictions from a High-Resolution Analysis
M. Neira, P. Georgiades, T. Economou, Y. Proestos, J. Araya, J. Lelieveld
- 11:15 Quantifying Methane Emissions from Cattle Farming in the Mediterranean: Insights from the CH4LKIDIQY Campaign
R. Papaconstantinou, M. Kezoudi, P.Y. Quehe, C. Keleshis, J.D. Paris, J. Sciare
- 11:30 Monitoring and modelling water use of rainfed barley to assess livestock feed production in a changing Mediterranean climate
A. Bruggeman, H. Djuma, I. Sofokleous, M. Eliades, N. Christodoulou, D. Fasoula, G. Zittis, C. Zoumides
- 11:45 Climate change and extremes in the island of Cyprus: from historical trends to future projections
G. Lazoglou, G. Zittis, P. Hadjinicolaou

Session 6. Enhancing opportunities and tackling challenges for Livestock Farming Systems in the Mediterranean and less favoured areas: from animal to farm level

Room: ARI Seminar Room
Chair: Pouloupoulou
Session Type: Theme session

Theatre Session 6

- 9:00 When the perceived adaptation of a local breed contributes to its geographical extension: the example of the Corsican sheep breed
A. Lauvie, C. Artis, L. Garçon

- 9:30 Strategies for the production of beef calves by dairy cows – The STAR(T) BEEF project
T. Tsiligianni, E. Krystallidou, S. Tsiligianni, E. Souglis, A. Saratsi, Z. Kazlari, C. Rekkas, F. Samartzi, C. Ligda
- 9:45 Solar grazing in Greece: Current situation and future perspectives
M. Karatzia, V. Kotsampasi, Z. Basdagianni
- 10:00 Valorisation of the unique characteristics of extensive livestock for the production of certified antibiotic-free products
D. Tsiokos, MA. Karatzia, D. Loukovitis, D. Chatziplis, A. Parianos

10:30 **Coffee break**

- 11:00 Perinatal mortality of the Cyprus Chios sheep breed, primary analysis of a reference population
T. Christofi, G. Hadjipavlou
- 11:15 Effect of extender composition on the liquid storage and cryopreservation of Skopelos buck semen
A. Saratsi, F. Samartzi, D. Tsiokos, I. Panagiotidis, C. Ligda
- 11:30 Portable nanosensor for rapid detection and characterization of botulinum neurotoxins in cattle
G. Shtenberg
- 11:45 Economic performance of sheep farms in Cyprus
S. Sokratous, A. Theodoridis, A. Ragkos, G. Arsenos

EAAP Study commissions



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