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European Federation
of Animal Science

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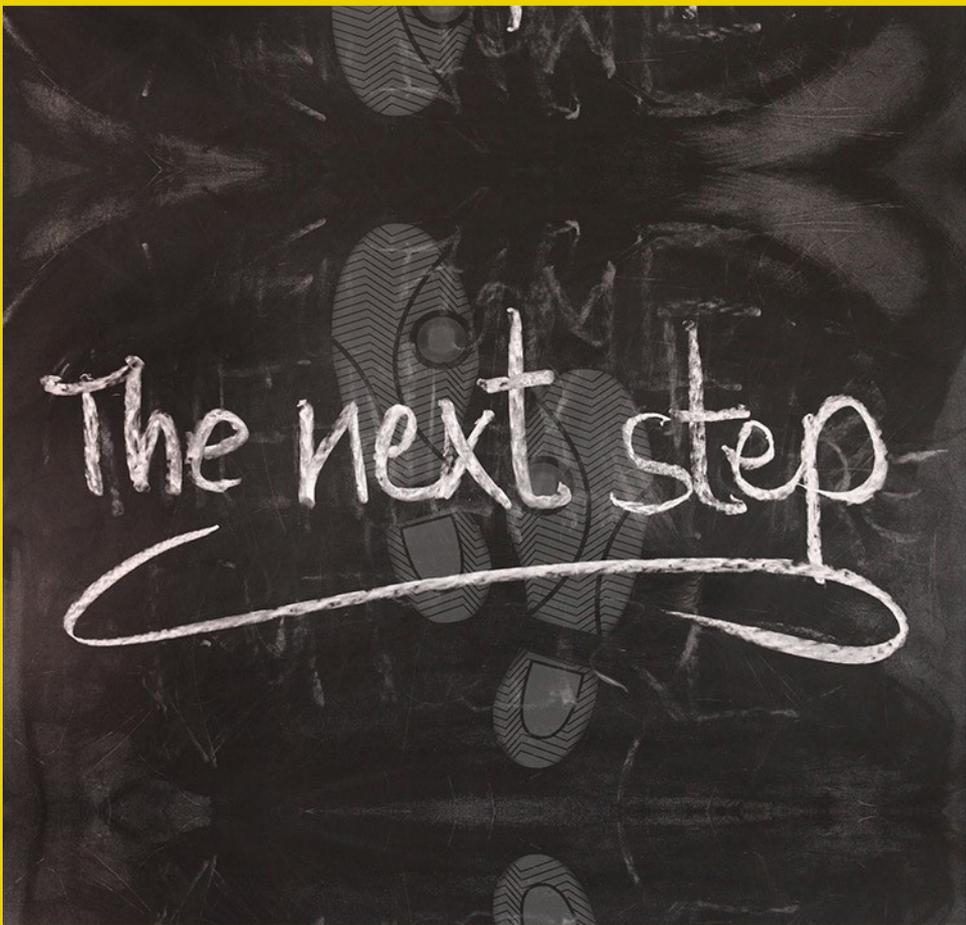
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The next step

EDITORIAL

EDITORIAL BY THE SECRETARY GENERAL

Looking for a modern, responsible and informative Newsletter

As we are sure you noticed, the layout of the EAAP Newsletter is new and, by browsing it, you will find that there are also new sections in the content. It is worth mentioning that we started publishing this Newsletter regularly less than five years ago with just over 200 downloads per issue. Today the average is 1400 downloads. This is the real figure of which we are proud, but we are even prouder by the positive and encouraging comments we receive from the readers. Still, we thought it was time to renew the legacy we have with our readers and propose to them something more and better. It is not easy to make a scientific society newsletter today. Its reason for existence next to an integrated Social and Internet system is complicated. The periodic release, when social networks publish 24/7, could make reading the Newsletter less important. The EAAP Newsletter will have to incessantly move, in this challenge-collaboration with Social and Internet, towards a new, mandatory territory, if it wants to continue to be a living and vital organism. Some of our published news is already known by the readers; for this reason, we must make it more accessible by putting it in a more organized way, where it can then easily be found. Also, we must publish information that does not come out on social networks such as people's and institutes' profiles, the editorial and the organized list of future conferences of animal science. With the editorial we should avoid writing "what happened" and maybe instead write "what it means"; with specific sections, we want to make people and research institutions better known, thus facilitating a continental network. Another thing we have always kept in mind when publishing the Newsletter is the concept of the responsibility we have with our members and readers. We know that the EAAP Newsletter is not just a flow, a tap that opens to let everything pass. Our Newsletter must be an organized system of reading about what happens in animal science published in a responsible and in the most comprehensive way possible so that we can satisfy the key EAAP member's right to be informed.

Andrea Rosati



News from EAAP

A new Newsletter!

A Newsletter is ultimately a place. The format is a conceptual yet physical map. It becomes, in the long run, a recognizable place to which one grows fond of. But like all places it changes, it lives time, metabolizes new customs and technological innovations. Starting from this issue, the EAAP Newsletter changes format and is renovated. In the new graphics, the contents of the Newsletter will acquire more importance, according to new reading hierarchies that readers will soon make their own. For us, this becomes an opportunity to increase the importance of dissemination, analysis and choice of topics. Together with the new graphic image we added three new sections, in particular the sections "Research Institute Profile", "From Industries" and "Animal Science Podcasts". The first one is dedicated to the profiles of Research Institutes which, following the success of the section presenting the EAAP People Portraits, intends to present the European Research Institutes that make the EAAP one of the most advanced livestock research area. We want to give visibility to EAAP Research Institutes to favour the network among them. The second one, is dedicated to animal science industries to let them share, without intermediaries, their technical-scientific activities and development plans. We do believe that industries are an integral part of the research activities, and we want to give the opportunity to disseminate the technical information coming from them. The last one is a specific selection of podcasts to provide, using the modern dissemination techniques, a larger information about the latest news on Animal Science fields. Finally, a renewed graphic design will keep the EAAP Newsletter connected with the evolution of times! Enjoy the reading!

EAAP Regional Meetings

From 2023 EAAP will organize regional animal science meetings to increase the offer of animal science dissemination. The on-site meetings represent important moments for scientists, and regional events will help keep EAAP members connected between the main annual meetings. We know that our members are passionate about animal science, and we think that once a year is definitely not enough. Whilst these events will

provide a great platform for learning and development, we will try to make these events much more than just another animal science meeting. They will provide a fantastic opportunity to network with other scientists across animal science. The EAAP regional meeting aims to highlight animal science discoveries and novel approaches, related to specific regional topics, which could be applied to management and practice. The first EAAP regional meeting will be held on 26th-28th April 2023 at the Slovakian University of Agriculture in Nitra (Slovak Republic). The meeting will have many animal science sessions including a plenary. Abstracts submissions for both theatre and poster sessions will be organized. The calendar information will be delivered to interested animal scientists through EAAP channels. Stay tuned to know more about it!



EAAP 2022 Annual Meeting official App

EAAP provides the App dedicated to the Annual Meeting that will be held in Porto from 5th to 9th September 2022. The App will allow you to be fully informed. Please download the App by using either Apple or Android system on your phone or tablet and you will receive on-time information about scientific program, news, events, social media, local information and short communications.



Plenary Session on “Coexistence of wildlife and livestock”

On Tuesday morning, September 6th, during the 2022 Annual Meeting in Porto will be held the traditional EAAP Plenary Session chaired by the President, Isabel Casasús about, the cohabitation of wildlife and livestock animals. The event, beginning at 9:00 Portuguese time, will be disseminated live on the EAAP YouTube Channel and will be presented while no other sessions will take place. The first speaker of the Plenary Session, Francesca Cagnacci (Italy), will set up the scene by describing the current situation of wildlife in Europe. Then, Christian Gortazar (Spain) will describe the delicate issue of sanitary problems caused by the coexistence of wildlife and domestic species. The possible management of coexistence through modern technologies will be detailed by Klemen Jerina (Slovenia) and finally Ketil Skorgen (Norway) will tackle another delicate and important issue: the many aspects of social acceptance of keeping wildlife and of farming animals. The final part of the Plenary Session will be dedicated to questions and answers. Participants to the Plenary Session will have the opportunity to experience another crucial moment of the EAAP Annual Meeting: the presentation from the Leroy Award recipient. This year the most prestigious EAAP award was offered to Frédéric Leroy (Belgium) who will give a speech on “Animal Source Foods and the Nature-Culture Divide”. Dr Leroy graduated as a Bioengineer in 1998 and obtained a PhD in Applied Biological Sciences at the Vrije Universiteit Brussel in 2002, where he now holds a professorship in food science and (bio) technology. His current research deals with food processing and microbiology, human nutrition, and ‘cultural food studies’, with a particular expertise in the field of animal source foods. He is a member of many academic societies, and he also serves on the Scientific Board of World Farmers’ Organization (WFO), FAO/COAG Sub-Committee on Livestock, and Danone Institute Belgium, among others. We believe that all participants in Porto will take the chance to enjoy the 2022 Plenary Session onsite or through the EAAP YouTube Channel.

EAAP People Portrait

Antonio Velarde Calvo



Antonio Velarde was born and grew up in Barcelona. As a child he spent the holidays in Zarza Capilla, a small village in Extremadura (West of Spain) in close contact with farm animals and wildlife. During his study of Veterinarian Sciences (1990-1995) in the *Universitat Autònoma de Barcelona* (UAB), he joined the rugby teams and played in the university league. After his graduation he carried out his doctoral research at the UAB and IRTA (Institute of Agri-food Research and Technology) with the supervision of Dr Xavier Manteca and Dr Alejandro Diestre. During the PhD he assessed the effect of several stunning methods at slaughter on animal welfare and meat quality in pigs and sheep. After his doctoral work on welfare at slaughter, he conducted research on ‘Animal Cognition’ as postdoc, in the University of Cambridge (UK) under the supervision of Professor Donald Broom. After completion of the postdoctoral stage in 2002, he returned to Spain to initiate the Animal Welfare research line within the Meat and Carcass Quality Department of IRTA. By that time, the main research activity of the department was oriented to the assessment of pre-slaughter handling on meat quality in pigs and sheep. [Read the complete profile here.](#)



Is there more inorganic selenium in Seleno-Yeast than previously believed?

[Read the article](#)

ADISSEO

Research Institute Profile

Excellence and enthusiasm from the North - Natural Resources Institute Finland (Luke)



Natural Resources Institute Finland (Luke) is a research organization solving challenges of sustainable and profitable use of natural resources both in Finland and globally. We provide solutions and services to our customers based on the best available scientific knowledge. Our research and expertise focus on profitable and responsible primary production, climate-smart carbon cycle, circular bioeconomy, and adaptive and resilient bioeconomy. We also perform statutory services and generate food and natural resources statistics in support of sustainable decision-making.

Animal sciences in Luke

Luke is an active player in the field of farm animal research, also including farmed fish. We work on a wide range of subjects ranging from animal genetics to forage research including impact on the environment, society, and product quality. Luke is an attractive research partner collaborating with universities, research organizations and stakeholders worldwide. [Read the complete profile here.](#)

Science and Innovation

A time-series approach to mapping livestock density using household survey data

An interesting article written by American and African authors about on a time-series approach to mapping livestock density has been published. The analysis is done with innovative methods and considers the importance of livestock for income, nutrition, and social cohesion and the problems related to disease transmission and contribution to climate change. The results offer a high-resolution time series outcome and employ a definition of density which is particularly well-suited to the study of livestock-origin zoonoses. [Read the full article on Nature.](#)

Genetics of coat color and fiber production traits in llamas and alpacas

This article explains the genetic mechanisms regulating economically important fibre traits for South American camelids and how the mechanisms are not yet fully understood resulting in low productivity. The paper also describes the mutations that are responsible for monogenic or oligogenic traits that were identified so to enable molecular testing to assist breeding decisions. [Read the full article on Animal Frontiers.](#)



Use of citrus by-products in ruminant feeding



Citrus fruit residue comprised of peel, pulp, rag, and seeds could be used either individually or in various combinations as alternative feeds for ruminants. Citrus fruits are principally consumed by humans as fresh fruit or processed juice, either fresh chilled, or concentrated. After the juice is extracted from the fruit, there remains a residue comprised of peel, pulp, rag, and seeds. [Read the full article on DairyGlobal.](#)

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News From EU

GenTORE project - Selecting for Resilience and Efficiency: The Solution for European cattle farming



The arrival of genomics and its use in livestock farming has seen a step-change in breeding programmes. It has greatly improved selection accuracy and now offers many options for selecting more complex but appropriate traits like animal efficiency and resilience. The use of genomics in livestock has been paralleled by the rapid expansion of Precision Livestock Farming (PLF), which includes using on-farm technology that enables cost-effective data collection and monitoring. These technologies greatly help farmers' ability to phenotype a much wider range of traits in increasing detail and in larger populations. Over the last five years, the GenTORE EU project has successfully brought genomics and PLF together to provide on-farm management tools to sustainably improve efficiency using

resilient animals. [Read the full article here](#). This article was published on the [EU Magazine "Open Access Government"](#), issue July 2022, pp. 370-371.

Webinar – "Sustainability of alternative proteins" 22nd September 2022

The EU H2020 funded projects NextGenProteins, ProFuture, smart protein and SUSINCHAIN launched Horizon4Proteins and started on 13th December 2021 with a Webinar series to work together in key aspects such as: Consumer acceptance of alternative proteins, Safety and Regulatory challenges, Food applications, and Sustainability. Horizon4Proteins invites researchers, farmers, producers and policymakers to join the conversation and contribute to the present and future of the sector. The Webinar will be held on Thursday 22nd September 2022 from 15:00-16:00 CET. Participation is free of charge, but the registration is required. [Here the link to register](#).

Consortium wins EU grant to upscale seaweed production

A consortium of 25 international, cross-disciplinary partners has been awarded a prestigious €9 million grant to upscale seaweed production. The funding comes from the [European Commission's Horizon Europe initiative](#). Led by [Ocean Rainforest](#), the project aims to lay the foundations for a new European maritime industry to meet the growing demand for seaweed-based products and attract investment from multiple sectors. [Read the full article here](#).

Industries

EntoGreen launch its R&D Unit – a research center open to collaboration with others.



- EntoGreen reinforces its knowledge in the use of insects as a bioconversion tool, creating solutions for the agri-food sector.
- Creation of 11 new direct jobs for highly qualified human resources at master and PhD level.
- This R&D unit is part of a bioindustrial project, which represents a total investment of 13.7 million euros.

EntoGreen, a Portuguese company focused on the circular economy in the agri-food sector, opened last 31st of May its Research and Development (R&D) Unit in Santarém, Portugal, which will create 11 jobs for highly qualified human resources that will work full time on research, collaborating with others to contribute to increase its position in the insect rearing technology. [Read more about the new EntoGreen R&D Unit here.](#)

Selko Feed Additives – a Nutreco Company - highlights the most recent findings in the ruminant trace mineral research during the EAAP 2022.



Trace minerals have long been identified as essential dietary components for dairy and beef cattle. Included in the category of essential trace minerals are chromium, cobalt, copper, iodine, iron, manganese, molybdenum, selenium, and zinc and are involved in numerous biochemical reactions for proper function. In general, trace minerals function primarily as activators or components of enzyme systems within cells by assisting

with enzyme structural integrity and substrate binding. Enzymes involved in protection of cells from oxidative stressors, electron transport, oxygen transport, bone metabolism, gene expression, and nutrient metabolism all have been shown to require certain trace elements for proper function. [Read the full article here.](#)

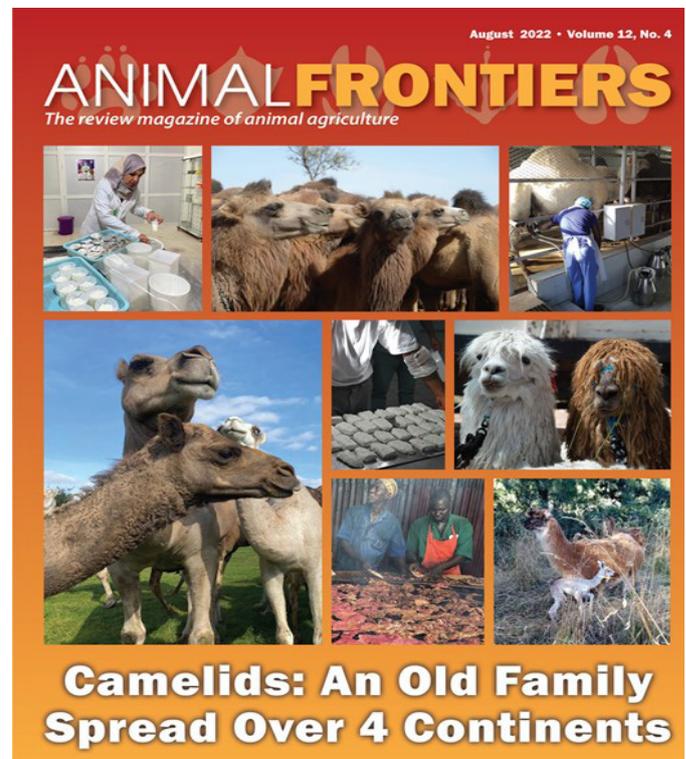
Job Offers

PhD position at ETH, Zurich, Switzerland

[ETH Zurich](#) & the [Clinic for Zoo Animals, Exotic Pets and Wildlife](#) of the University of Zurich is looking for a PhD candidate for a study on the long-term effects of weaning calves on a specific diet. [Read the job vacancy.](#)

Publications

- **Animal consortium (EAAP, INRAE, BSAS) – Elsevier**
[Animal: Volume 16- Issue 8 – August 2022](#)
 Article of the month: [“Association between the prion protein genotype and animal performance traits in a large multibreed sheep population”](#).
- **Oxford Academic**
[“Animal Frontiers”, Vol. 12, Issue 4, August 2022.](#)



- **Wageningen Academic Publishers**
[“Preslaughter handling and slaughter of meat animals”, 2022](#)

Animal Science Podcasts

Pig Progress section 'Meet the Expert': [M.hyo break in naïve herd](#), speaker Dr. Tom Gillespie.



Other News

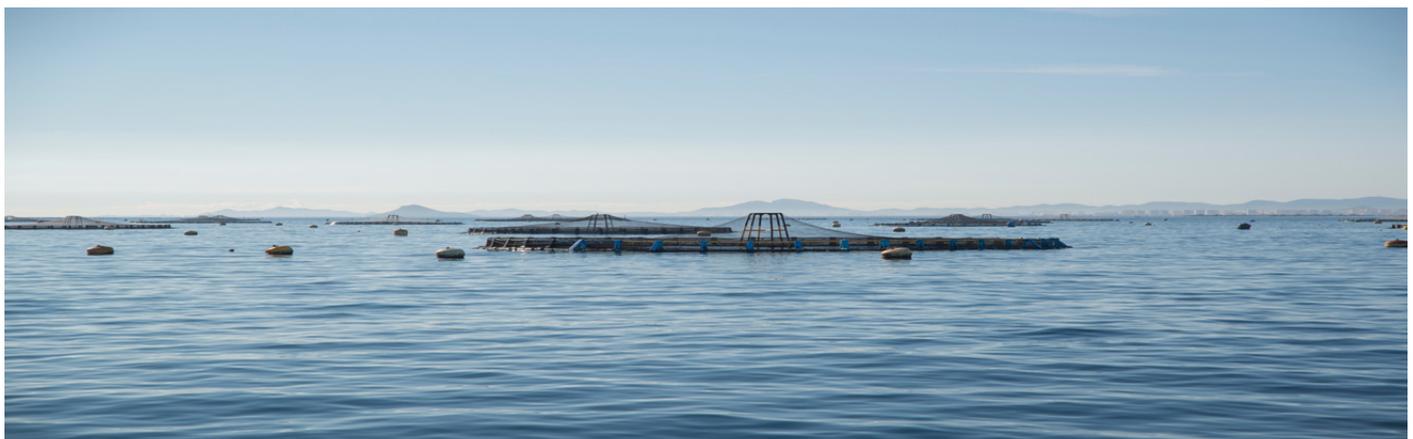
Strategic Alliance between Elanco Animal Health and AgNext of Colorado State University

A strategic alliance to advance livestock sustainability was just announced between Elanco Animal Health Incorporated and AgNext at Colorado State University. This alliance is part of a continued commitment to pioneer sustainability solutions for the animal agriculture, transforming the next frontier of opportunity in livestock sustainability. [Read the full article on FeedandAdditive.](#)



A circular revolution in the forecast for aquaculture feed

Innovators Future by Insects and strategic partner Fera Science Limited, winners of the WWF and Tesco Innovation Connections accelerator scheme award, are working with commercial partners to revolutionise the production of aquaculture feed. [Read the full article on AllAboutFeed.](#)



Conferences & Workshops

EAAP invites you to check the validity of the dates for every single event **published below and in the Calendar of the website**, due to the state of sanitary emergency that World is currently dealing with.

Event	Date	Location	Information
73rd EAAP Annual Meeting	5 – 9 September 2022	Porto, Portugal	website
7th EAAP International Symposium on Energy and Protein Metabolism and Nutrition (ISEP 2022)	5-8 September 2022	Granada, Spain	website
10th Workshop on Modelling Nutrient Digestion and Utilization in Farm Animals (MODNUT)	18 – 21 September 2022	Alghero, Italy	website
13th International Conference on Goats	19 – 22 September 2022	Virtual conference	website
30th Animal Science Days	21 – 23 September 2022	Zadar, Croatia	website
8th European Symposium on South American Camelids and 4th European Meeting on Fibre Animals	26 – 28 September 2022	Bolzano, Italy	website
12th GASL MSP Hybrid Meeting	3 – 7 October 2022	Virtual and Dublin, Ireland	website
XI International Symposium on the Mediterranean Pig	11 – 14 October 2022	Vodice, Croatia	website
45th Argentine Animal Production Congress (AAPA)	16 – 18 November 2022	Virtual Congress	website
International Scientific Meeting on Colostrum	16 – 18 November 2022	Gran Canaria, Spain	website

More conferences and workshops [are available on EAAP website](#).



“You can’t use an old map to explore a new world”
(Albert Einstein)

Become EAAP Members is easy!

Become EAAP individual member to receive the EAAP newsletter and discover the many other benefits!
Please also remember that individual membership is for free for residents in EAAP countries.

[Click here to check and register!](#)

The **Flash-e-News** is the Official EAAP Newsletter. This interesting update about activities of the European animal science community, presents information on leading research institutions in Europe and also informs on developments in the industry sector related to animal science and production. The Newsletter is sent to all EAAP Members and supporters. You are all invited to submit information for the newsletter. Please send information, news, text, photos and logo to: marlene@eaap.org.

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