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e-news

International Society
for Animal Hygiene

N° 011 - 2022

SUMMARY

Dear members and friends of ISAH,

I hope that this e-Newsletter finds you and your relatives healthy. As the year draws to a close and a new one begins, ISAH returns to bring you some new information about the society. Please find the end-year e-Newsletter. It keeps record of activities of the Executive Board of ISAH and informs members about recent developments in the Society and on interesting topics in various fields of Animal Hygiene and beyond.

Hot topics today relate to:

- letter from the President,
- latest news from the Executive Board including the 20th congress in Berlin,
- announcements of interesting congresses and meetings,

We also take the opportunity to ask you kindly for checking the status of your membership fee. Please look on page 13-14 for details how to pay the membership fee.

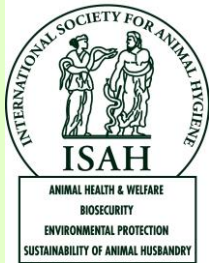
Forthcoming events and publications related to the Society are presented in the end of this issue; please visit the associated pages (16 to 21).

Stay healthy with the goddess Hygiea and I wish you all a blessed and Merry Christmas & a healthy and successful New Year!



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Enjoy reading the Newsletter of our Society!
Dr Christelle Fablet - General Secretary of ISAH



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EDITORIAL

By the President

Dear friends and members of ISAH,

Following a long tradition, we are pleased to send you today the Christmas and Year-End Newsletter of ISAH. This is again an opportunity to reflect on the year that is coming to an end and to remember beautiful as well as sad events.

This year, too, the SARS-CoV-2 virus has unfortunately once again had a significant impact on our actions to a large extent. But in the meantime, together we have established successful routines for infection control in teaching, research and everyday life. Wearing masks has become the norm and a large proportion of people have already been vaccinated several times. The pandemic has thus largely lost its horror, since we now have all the tools for successful control at our disposal and have also (re)learned to use and appreciate them. Thanks to science and also thanks to hygiene.

Many dates and events that are so important for us could again take place in presence and enrich our togetherness. This is also so enormously important for our society, the ISAH. Thus, in October 2022, after several postponements, it was finally possible to hold our traditional ISAH Congress in Berlin and to finally welcome the members of our society as well as people interested in the ISAH topics.

At ISAH 2022, it became clear, also in the light of the Covid-19 pandemic, that the interruption of infection chains by means of a wide range of hygiene measures, the improvement of husbandry conditions and animal welfare in livestock farming, as well as environmental hygiene, are core ISAH topics of global importance. We will continue to develop this and, in particular, incorporate the diverse perspectives of our members worldwide.



ISAH 21st Congress in Chiang Mai, Thailand in 2024 will provide an excellent opportunity to do so. Make a note of this timing already now! At ISAH 2022, important decisions were also made regarding the further development of our ISAH Society. A new Executive Board was elected and Prof. Dr. Dr. h.c. mult. Jörg Hartung handed over the baton to his successor. Professor Hartung took over the leadership of ISAH in very difficult times in 2010 and has since led our ISAH society with foresight and great enthusiasm.

Thank you Jörg for everything!

Despite all the positive developments, there were unfortunately also very sad developments. Russia's aggression against Ukraine calls into question the basis of our consensual, peaceful coexistence in the world. First and foremost, we are thinking here of the immeasurable suffering of the people in Ukraine.

But the consequences are also being felt worldwide with food and energy shortages and hunger. And borders long thought to have been overcome are becoming visible again.

Please support the people in Ukraine as well as in all other regions of the world where your help is needed. So, each of us can contribute his little part to a peaceful, better world.

***On behalf of the entire ISAH Executive Board I wish you a Merry
Christmas and a Happy and Peaceful New Year 2023!***

Yours Uwe Rösler

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News from the Society



Berlin congress



The successful and fruitful 20th ISAH Congress took place between the 5th to 7th of October, 2022 in Berlin, Germany. It was organized by our German colleagues/friends and managed by our new President Prof. Dr. U. Rösler. It was held for the first time in a hybrid format. This will enable many ISAH members and interested persons to participate, even if the situation and the available travel budget would not otherwise allow it. Since supporting participants from low and middle income countries has always been one of ISAH's main objectives, online participation was, therefore, free of charge for participants from these countries. This also applied to online participants from Ukraine. The people of Ukraine are going through a major crisis and are heroically resisting the aggression.

We hope to be able to help the colleagues and friends of ISAH in Ukraine a little and are very happy to be able to meet them in person again in the future - healthy and in freedom.

More than 250 participants from countries all over the world attended. Interesting talks were given during the oral sessions. The ISAH 2022 proceedings are available for download [here](#).

In total 42 posters were displayed during the congress. Three posters were awarded:

- ♦ **1st prize:** R. Kobialka, Germany, for her poster: “Air purifier screening revealed the efficacy of HEPA-filter and UVC-light in the inactivation of coronavirus”.
- ♦ **2nd prize:** A. Dennig, Germany, for her poster: “Environmental and operational factors influencing the total bacterial count in filtration systems of fresh- and saltwater aquaria”.
- ♦ **3rd prize:** S. Eglite, Latvia, for her poster: “Use of probiotics containing lactobacteria to improve the microclimate and foot health of broilers”.



During the congress, five members were awarded for their long-standing commitment to the society:

- **Prof. Dr. Dr. h.c. mult. Jörg Hartung**, President of ISAH for 12 years, who organized the 2009 congress in Vechta (Germany) was nominated as honorary member for his long-standing commitment and enthusiasm to the society and for his very encouraged service for ISAH.
- **Prof. Jorge Saltijeral**, a long standing member of ISAH and former Congress president who organized two congress in Mexico (2003 and 2017) was nominated as honorary member.
- **Prof. Roman Kofacz** who organised the 2019 congress in Poland was nominated as honorary member.
- **Dr. Gustavo Ruiz-Lang**, a long-standing Country Representative (CR) for Mexico, received the silver ISAH pin.
- **Prof. Dr. Uwe Rösler**, new President of ISAH received the Gold Pin of ISAH for his merits organizing webinars and the 20th ISAH Congress in Berlin, Germany.



Prof. Dr Rösler, Dr. Ruiz-Lang and Prof. Dr. Dr.h.c.mult. Hartung



Prof. Dr. Dr.h.c.mult. Hartung, Prof. Saltijeral and Prof. Dr Rösler



Prof. Dr. Dr.h.c.mult. Hartung and Prof. Dr Rösler



Prof. Dr. Dr.h.c.mult. Hartung, his wife and Prof. Dr Rösler

Congratulations to all of them!

The next ISAH congress will be held in Thailand in 2024.

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Executive Board (EB)



From the ISAH Wroclaw congress in Poland in 2019, the EB of the ISAH consists of President: Prof. Jörg Hartung, Germany; incoming President Prof. Dr. Uwe Rösler, Germany; Standing Vice-president: Prof Andres Aland, Estonia; Treasurer: Dr Hermann Schobesberger, Austria; Secretary General: Dr Christelle Fablet, France; Members at Large: Prof Bao Endong, China, Prof Jan Venglovsky, Slovak Republic, Assoc. Prof. Dr Sebastian Opaliński, Poland and Prof. Dr ir. Jan Paeshuyse, Belgium.

Prof. Uwe Rösler was confirmed as new ISAH President during the General Assembly in Berlin. During this General Assembly Prof Andres Aland, Estonia was elected as Standing Vice-president, Dr Hermann Schobesberger, Austria as Treasurer and Christelle Fablet, France as Secretary General.

The mandate of Prof Bao Endong, China, Prof Jan Venglovsky, Slovak Republic, expired in 2021. Members at large Assoc. Prof. Dr Sebastian Opaliński, Poland and Prof. Dr ir. Jan Paeshuyse, Belgium as members at large were confirmed during the GA in Berlin 2022.

***Thanks to former members at large Prof Bao Endong
& Prof Jan Venglovsky for their long lasting
commitment to the Society.***



In memory of

ISAH Honorary Member Prof Dr Hannu Saloniemi

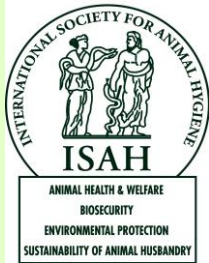


The recent passing away of Professor Dr. Dr.h.c. Hannu Sakari Saloniemi, an outstanding scientist in animal hygiene and an Honorary Member of the International Society for Animal Hygiene since 2005, brought a great loss to our Society. The international ISAH community is in deep mourning.

Coming from a farming background (the farm where Hannu was born had been owned by his ancestors since 1552) and thus familiar with livestock and poultry production, he studied veterinary medicine and dedicated his professional career as an academic teacher and scientist to improving the health and well-being of farm animals as well as to analysing the effects of farming practices on the environment.

Hannu Saloniemi was born in Nummi, Finland on 11 October 1944. He graduated as a veterinary surgeon from the College of Veterinary Medicine in Helsinki in 1970. Ten years later, he defended there his PhD thesis on the effects of environmental factors on bovine mastitis. In 1984, Hannu was appointed Professor of Competence in Farm Animal Medicine. In 2002, he attained the status of Diplomate of the European College of Veterinary Public Health (Population Medicine).

His academic career was impressive: lecturer at the College of Veterinary Medicine, Helsinki from 1970 to 1984, head of Mastitis Laboratory at the National Veterinary Institute from 1984 to 1986, professor of Animal Hygiene from 1987 to 2008. Among the number of various administrative



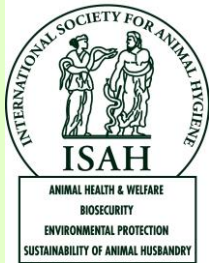
duties, he also served as dean of the faculty from 1997 to 2006. Hannu took a well-earned retirement in 2009.

Hannu became a member of ISAH in 1973, and immediately assumed the duties of Finland's representative in the Society – he was a member of the Extended Executive Board from 1973 to 1988, and the Executive Board from 1988 to 2000. He served as President of ISAH from 1994 to 1997. His presidency culminated with organizing the ISAH 9th congress held in August 1997 that was an outstanding event in many respects.

The key topics of Hannu's research and respective organizational activities included animal hygiene, herd health (organizer of the disease recording system on Finnish dairy farms in 1982), mastitis control in dairy herds in Finland, effects of the production environment, ethology of farm animals, animal welfare (promoting research in ethology and animal welfare science in Finland), phytoestrogens, and veterinary education (from 1972 to 2008). Hannu was the author of more than hundred articles published in peer-reviewed scientific journals. He supervised sixteen PhD theses covering farm animal ethology and animal welfare, invasive epidemiology in porcine diseases, vitamin E in ruminant nutrition, hereditary disease control in dogs, etc.

The members of the highly acclaimed Research Centre for Animal Welfare at the University of Helsinki have said that none of them would have been where they are now without Hannu. Many of Hannu's former PhD students and colleagues are thankful not only for his visionary abilities and enthusiasm to facilitate the growth of the scientific field of animal welfare, but they especially remember him for being a person who made everyone working with him feel special, capable and always heard. Hannu earned the respect of his associates through his subtle and tactful manner of communicating his knowledge and experience, and supporting his colleagues.

This characterization coincides with what his colleagues and friends at ISAH think of him: always calm, ready to listen, rational and analytical character and judgement, unwavering professionalism in research and education.



With Hannu Saloniemi's passing, ISAH has lost an outstanding scientist and teacher, and a great personality. Many of us have lost a close friend. Our thoughts are with his lovely wife Elina, and their three children with their families.

Andres Aland
Vice President ISAH

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***Short epitaph for Hannu Saloniemi from ISAH
written by former ISAH president Jörg Hartung
&
spoken at the funeral by Dr Anna Valros, Helsinki***

The International Society (ISAH) mourns of one of its greats, honorary member Hannu Saloniemi. Coming from a farming background in close contact with livestock and poultry, he studied veterinary medicine and dedicated his life and professional carrier as an academic teacher and scientist the health and well-being of farm animals as well as the effects of farming on the environment.

A member from 1973 of ISAH, Hannu Saloniemi served since 1988 in various functions in the Executive Board, as vice president and as president. Since 2005, he is honorary member of the Society. All participants and beyond remember the excellently organized 9th ISAH Congress in the unforgettable summer 1997 in Helsinki under his presidency.

His calm, clear analytical character and judgement and his professional input in science and education for students and colleagues was always highly respected.

With Hannu Saloniemi's passing ISAH is losing an outstanding scientist and teacher and a great personality - and many of us are losing a close friend.



Our thoughts are with his lovely wife Elina, and the three children and the grandchildren.

We know that Hannu loved to spend leisure time in his cottage by a small lake, walking, watching birds, and listening to his favourite music. Maybe he listens to us now from above. With Shakespeare we may say:

A noble heart has cracked. Sleep well, Hannu – “and flights of angels sing thee to thy rest”!

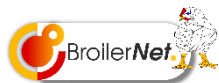
Jörg Hartung, Hannover, 28.10.2022

We offer our sincere condolences to his family.

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News from research projects

Swedish ISAH CR and former General Secretary of ISAH, **Associate Professor Dr. Stefan Gunnarsson** (Swedish University of Agricultural Sciences, Skara, Sweden) takes part in a research project on animal welfare:



BroilerNet is a project funded by the Horizon Europe research and innovation programme, running from 1-08-2022 until 31-7-2026. BroilerNet aims to enhance the resilience and sustainability of the European broiler sector by creating space for interaction between science and practice and co-creation of ready-to-use innovative best practices on broiler farms in Europe.

More information available on: <https://broilernet.eu/>



Join ISAH & become a member of a community of science and a circle of lifelong friendship



Scientists, veterinary practitioners and other persons with a special interest in the field of Animal Hygiene are cordially welcome to become a member of the International Society for Animal Hygiene.

Entering the society is absolutely easy! Just send an informal email to the ISAH Secretary and upon receiving of the invoice by paying the annual membership fee of 20 Euros. Alternatively, you can also use our entry form on the Society's web page (www.isah-soc.org).

ISAH membership fee is effective from the 1st of January and runs for 12 consecutive months. Members who pay their fee in due time get a discount on the congress fee for the upcoming ISAH congress in that period.

Membership fee can currently be paid only by money transfer. Alternatives are currently explored and might become available in the future.

Please visit our webpage for more details:

<https://www.isah-soc.org/?Members/Membership-fee>



News from the Treasurer

As another year comes to its end, ISAH would kindly like to reach out to you and thank all those members who have paid their membership fee for this year!

We are truly grateful for your contribution!



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ISAH's treasurer also wants to make you aware of a change of the collection of the membership fee which was approved by the last General Assembly.

**From now on - starting with January 2023 –
the ISAH membership fee will be collected
on an annual basis.**

So watch out in the early weeks of every year for ISAH's membership invoice in your mailbox.

Your kind contribution helps keeping the Society afloat and operational.

Thank you!

*ISAH's Treasurer wishes you a festive season, relaxing holidays
and may the new year bring you
joy, happiness, prosperity and good health!*



Educational programme



ISAH would like to inform you about a new training course in Taiwan. National Taiwan University (NTU) is the most prestigious university in Taiwan and is among the top 100 universities in the world. Guided by independent thought and a pioneering spirit of enterprise, students at NTU become a part of the nation’s most prosperous center of learning and receive a comprehensive and quality education. As NTU’s newest College, the International College of NTU was founded in 2021 as a milestone in the globalization efforts of NTU and aims to build a higher education platform that combines the strengths and uniqueness of Taiwan with the most vital academic disciplines of NTU.

The International College’s **Master Program in Global Agriculture Technology and Genomic Science (Global ATGS)** is designed to equip students with a combination of expertise in Genomics, Breeding Technology, Smart Farming, Plant Factory, and Precision Livestock Farming Technologies – skills that are in increasingly high demand in government agencies, international research institutes, biotech firms, and agricultural industries.

The well-rounded **curriculum** has been organized in two main directions: **Digital Agriculture Science and Technology** and **Genomic Science and Breeding Technology**. Theory- and research-based teaching are offered as well as application-based hands-on training. This program aims to cultivate industry leaders and scholars with a holistic vision to invest in advanced agriculture systems.

For more information please check out atgs.ntu.edu.tw

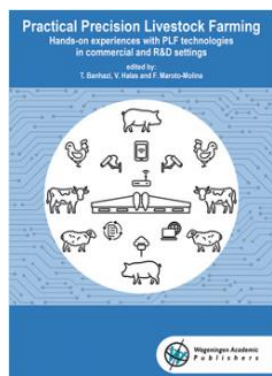
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Publications

Published & available!



Practical Precision Livestock Farming book

**'Hands-on experiences with
PLF technologies in commercial
and R&D settings'**

T. Banhazi, V. Halas and F. Maroto-Molina

Assoc. Prof. Dr. **Thomas Banhazi**, ISAH Country Representative for **Australia**, is the co-editor of a new book related to Precision livestock farming (PLF) technologies.

SYNOPSIS

PLF technologies have been promoted heavily in recent years and they do have the potential to revolutionise livestock production as we know it. However, a lot of technical challenges have to be solved before these technologies will supply the desired information reliably and consistently on farms. In addition, there is a gap appearing increasingly between what is proposed and what is actually implemented on farms.

This practical PLF book has brought together authors from 16 countries to report on the actual practical experiences technology developers and users had under either commercial or at least research farm conditions. This book is aimed at eliminating the 'mystery' behind these 'Smart' technologies and presents the hard facts reported by individuals who have had practical experiences with PLF technologies.

This book will benefit livestock producers, animal scientists, veterinary practitioners, agricultural engineers, academics, researchers, equipment manufacturers and consultants alike. It aims to help livestock professionals to optimize the production efficiency, health, and welfare of domesticated animals, as demanded by society in these days. Ultimately the PLF management tools advocated in this book will help to ensure the long-term sustainability and viability of livestock production worldwide.

Publications

Of interest from ISAH members

About pig production & animal hygiene

- ▶ Andraud M., Hammami P., B H.H., J A.G., Vergne T., Machado G., Rose N. 2022. Modelling African swine fever virus spread in pigs using time-respective network data: Scientific support for decision makers. *Transboundary and emerging diseases* 69, e2132-e2144.
- ▶ Huber N., Andraud M., Sassu E.L., Prigge C., Zoche-Golob V., Käsbohrer A., D'Angelantonio D., Viltrop A., Żmudzki J., Jones H., Smith R.P., Tobias T., Burow E. 2022. What is a biosecurity measure? A definition proposal for animal production and linked processing operations. *One health* 15, 100433.
- ▶ Salazar L.G., Rose N., Hayes B., Hammami P., Baubet E., Desvaux S., Andraud M. 2022. Effects of habitat fragmentation and hunting activities on African swine fever dynamics among wild boar populations. *Preventive Veterinary Medicine*, 208:105750.

About poultry production & animal hygiene

- ▶ Bauzile B., Sicard G., Guinat C., Andraud M., Rose N., Hammami P., Durand B., Paul M.C., Vergne T. 2022. Unravelling direct and indirect contact patterns between duck farms in France and their association with the 2016-2017 epidemic of Highly Pathogenic Avian Influenza (H5N8). *Preventive veterinary medicine* 198, 105548.
- ▶ Guinebretière M., Puterflam J., Keïta A., Réhault-Godbert S., Thomas R., Chartrin P., Cailleau-Audouin E., Coudert E., Collin A. 2022. Storage Temperature or Thermal Treatments During Long Egg Storage Duration Influences Hatching Performance and Chick Quality. *Frontiers in physiology* 13, 852733.
- ▶ Huneau-Salaün A., Scoizec A., Thomas R., Martenot C., Schmitz A., Pierre I., Allée C., Busson R., Massin P., Briand F.X., Guillemoto C., Louboutin K., Souchaud F., Cherbonnel-Pansart M., Niqueux E., Grasland B., Souillard R., Le Bouquin S. 2022. Avian influenza

outbreaks: evaluating the efficacy of cleaning and disinfection of vehicles and transport crates. Poultry science 101, 101569.

- ▶ Michel V., Berk J., Bozakova N., van der Eijk J., Estevez I., Mircheva T., Relic R., Rodenburg T.B., Sossidou E.N., Guinebretière M. 2022. The Relationships between Damaging Behaviours and Health in Laying Hens. *Animals*, 12(8):986.
- ▶ Mocz F., Michel V., Janvrot M., Moysan J.P., Keita A., Riber A.B., Guinebretière M. 2022. Positive Effects of Elevated Platforms and Straw Bales on the Welfare of Fast-Growing Broiler Chickens Reared at Two Different Stocking Densities. *Animals* 12, 542.

About Precision Livestock Farming (PLF)

- ▶ Banhazi T.M. V. Halas and F. Maroto-Molina (2022) Introduction to Practical Precision Livestock Farming, Wageningen Academic Publishers) Editors: T. Banhazi, F. Maroto-Molina and V. Halas pp: 17-25
- ▶ Banhazi T.M. Dunn, M. and Banhazi, A. (2022) Weight-Detect™: On-farm evaluation of the precision of image analysis based weight prediction system (Practical Precision Livestock Farming, Wageningen Academic Publishers) Editors: T. Banhazi, F. Maroto-Molina and V. Halas pp: 29-39
- ▶ Banhazi T.M. Dunn, M. and Banhazi, A. (2022) Weight and environmental monitoring: Growth curve differences of fast and slow growing pigs under commercial farm conditions, Wageningen Academic Publishers) Editors: T. Banhazi, F. Maroto-Molina and V. Halas pp: 41-51
- ▶ Banhazi T.M., B. Ji, D. Rutley, C. Phillips. (2022) Modelling the effects of environmental stress on weight gain in pigs (Practical Precision Livestock Farming, Wageningen Academic Publishers) Editors: T. Banhazi, F. Maroto-Molina and V. Halas pp: 193-210
- ▶ Black J.L. and Banhazi T.M. (2022) Integrated biological-economic simulation models to aid real-time application of Precision Livestock Farming to the pig industry (Practical Precision Livestock Farming, Wageningen Academic Publishers) Editors: T. Banhazi, F. Maroto-Molina and V. Halas pp: 369-380

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Forthcoming events

***Joint International Congress on Animal Science
co-organised by the
European Federation of Animal Science (EAAP),
World Association for Animal Production (WAAP)
& Interbull***



For decades, the Annual Meeting has hosted scientists and experts from the field of animal science, not only from Europe but also from other countries around the globe. The EAAP Congress provides insights into the latest research results from many areas of animal science. It is a unique opportunity for scientists and industry to acquire new knowledge and to exchange experience. Carried out through many sessions, plenary meeting, a poster presentation, and discussions about scientific achievements in the European and world livestock production, Annual Meeting gives an opportunity for the application of new ideas in practice. All these preferences make the EAAP one of the largest animal science congresses in the world – approximately 1000 participants from more than 50 countries are expected. Next year it will be joined to the WAAP and Interbull congresses.

The general topic of this Congress will be “Climate change, biodiversity and global sustainability of animal production”. Different sessions will be

jointly organised between the EAAP, WAAP, Interbull and also other partners to cover various areas of knowledge related to animal science, such as genetics, nutrition, physiology, animal health and welfare. They will be held in Lyon (France) from **26th of August to 1st of September**.

*Interested in the congress?
Please visit the dedicated webpage:*
<https://eaap2023.org/>

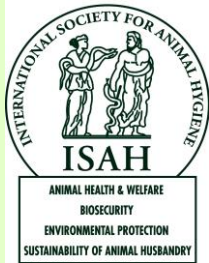


European Symposium of Porcine Health Management (ESPHM)



The ESPHM is a joint collaboration among three parties including the European College of Porcine Health Management (ECPHM), the European Association of Porcine Health Management (EAPHM) and the Local Organizing Committee (LOC) including the University of Veterinary Medicine Budapest and the Hungarian Association of Porcine Health Management and Hungarian Association of Porcine Health Management.

The ESPHM in Budapest will be the 14th edition of the symposium, representing the complete consolidation of a meeting that started in Copenhagen (Denmark) in 2009 with 220 delegates. Since then, the congress has evolved at all levels, with more than 1,900 delegates in the



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most recent edition in Barcelona, Spain, in 2018. This is an evident proof of the increasing interest that the scientific contents of the ESPHM offers, not only for European veterinarians but also to the international community. Although settled in Europe, the ESPHM aspires to be a source of updated knowledge and knowhow in its field for the whole world.

*Interested in the congress?
Please visit the dedicated webpage:
<https://www.esphm2023.org>*

***Don't miss all these events scheduled
in 2023!!!***

The Newsletter is sent to all ISAH Members. You are all invited to submit information for the newsletter. Please send information, news, text, photos and logo to: christelle.fablet@anses.fr

Production staff: ISAH Executive Board