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e-news

**International Society
for Animal Hygiene**

N° 004 - 2019

SUMMARY

Dear members and friends of ISAH,

Please find the mid-year 2019 e-format ISAH 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:

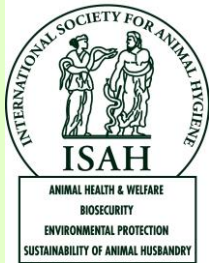
- latest news from the Executive Board (EB),
- important activities of EB members,
- deadlines for the 19th ISAH congress in Wroclaw, Poland, 2019
- the 4th ISAH book on air quality and livestock farming

We also take the opportunity to inform you that membership fee collection is working properly now. Please look on page 10 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 (11 to 15).

Enjoy reading the Newsletter of our Society!

Dr Christelle Fablet
General Secretary of ISAH



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EDITORIAL *By the President*

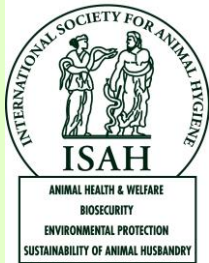
Dear members, colleagues and friends of ISAH,

July 2019, summertime, means for many of us – at least those living in the Northern hemisphere – holiday time, let the work behind for a moment or longer and enjoy visiting friends and family, or places you wanted to go there since long.

However, with the rising temperatures also the tension is rising among the organizers of the 19th ISAH Congress 8 – 12 September 2019 in Wroclaw, Poland. We expect 10 top-class plenary talks covering topics such as modern husbandry, engineering, hygiene, swine fever, avian diseases, horses and apiculture. Numerous oral presentations in three parallel sessions and a large number of posters contribute new research and practical knowledge to the broad spectrum of the science of hygiene in the fields of animal health, animal welfare, water, food and barn hygiene, waste management, biosecurity, environmental protection and much more.

It is very pleasing that we again have 17 students from developing countries with us thanks to the generous support of the Professor Tielen Foundation (PTF). They all will present their recent scientific achievements. I am particularly pleased that we expect Dr. Samuel Thevasagayam from the Melinda and Bill Gates Foundation in Wroclaw who wants to meet our PTF students and learn about ISAH. It is one of the core missions of M&B Gates Foundation to support livestock production and agriculture in developing countries and help the youth in these countries to a good education and a better future.

Further burning topics of the congress are prevention of infectious animal diseases, keeping animal healthy, and prepare for them a life worth living



by realizing animal welfare principles and technical as well as managerial measures.

I mentioned above the summer and holiday time when people aim to be in harmony with a blossoming, warm and peaceful nature. However, is this ideal still true in face of worldwide rising temperatures? Can we enjoy without remorse a nature that seems to be in fever?

Our small scientific organisation ISAH cannot solve the global climate change problem, but we can work towards a better understanding of the coherent problems and how future livestock production has to be shaped in order to be able to supply a growing human population with food of animal origin. Improving animal health and welfare, reducing suffering and animal losses, improving education in the livestock sector can contribute to resource conservation and the protection of the environment that belong to the UN global goals. These are as important as ever. ISAH is determined to contribute.

Together with our organizing Vice-President, Professor Dr. Sebastian Opalinski, and the organizing team of the Wroclaw University of Environmental and Life Sciences, I cordially invite you to the 19th Congress of the International Society for Animal Hygiene 8 -12 September 2019 in Wroclaw, Poland.

I wish you now a good summer and some relaxing vacation days with your families and relatives.

Very best regards

Professor Dr. med. vet. Dr. h. c. Jörg Hartung
President of ISAH

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News from the Society

Activities and invited Talks of **ISAH President Jörg Hartung** in the first half of 2019:

- Prof Hartung was appointed to the Advisory Board “Animal Health” of the Federal Ministry for Economic Cooperation and Development (BMZ) helping with advice on animal health and welfare in developing countries.

- He spent short cooperation visits (14 -21 June) at the University of Sao Paulo (USP) and Sao Paulo State University (UNESP) talking about animal welfare topics.

- Prof Hartung took part in the Annual Meeting of EuroFAWC (European Forum of Animal Welfare Councils) 25 – 26 June in Uppsala, Sweden as representative of the Animal Welfare Committee of the Federal Ministry of Food and Agriculture (BMEL), Germany.

EuroFAWC was jointly founded by late Prof. Dr Christopher Wathes and Prof. Hartung in 2005, having the first official meeting 2006 in Berlin. The organization is designed as a platform for direct and personal exchange of information on animal welfare topics between the chairs of the committees and councils existing in the different countries. The interesting sessions were complemented by a scientific and most enjoyable guided tour through the historical garden of Carl von Linné (founder of the modern botanical und zoological taxonomy) “in person” as shown in the picture below.





ISAH President Jörg Hartung and Secretary Christelle Fablet took part in the 87th General Assembly of the **OIE** (World Organization for Animal Health) from 26-28 May.



The General Session of the World Assembly of Delegates lasts five days and is held every year in May in Paris. It comprises the Delegates of all Member Countries and meets at least once a year. It is the highest authority of the OIE.

The main functions of the Assembly are:

- to adopt international standards in the field of animal health, especially for international trade;
- to adopt resolutions on the control of the major animal diseases;
- to elect the members of the governing bodies of the OIE (President and Vice-President of the Assembly, members of the Council and of the Regional Commissions), as well as the members of the Specialist Commissions;
- to appoint the Director General of the OIE;
- to examine and approve the annual report of activities and the financial report of the Director General and the annual budget of the OIE.

In addition, during the General Session, two technical items of general interest are dealt by speakers chosen for their specialist knowledge, and the animal health situation worldwide is presented in summary form with additional information provided by each Member Country.

The director general, Dr Monique Eloit, presented the final report of OIE 2018 and the progress of the implementation of the 6th Strategic Plan (2016-2020). The main points are:

- 182 OIE member states (1 new member in 2018), 2000 veterinary notifications in 2018, missions in 23 member states under the Performance of Veterinary Services pathway (PVS Pathway). The PVS Pathway empowers national Veterinary Services by providing them with a comprehensive understanding of their strengths and weaknesses using a globally consistent methodology based on international standards).
- Launch of the renewal of the OIE-World Animal Health Information System (WAHIS) and of the observatory on implementation of OIE standards
- OIE initiative with the FAO (Food and Agriculture Organisation) and World Bank to improve biosecurity in the aquatic sector, organisation of a global conference in the health of aquatic animals in April 2019 in Santiago de Chile.
- Three global action plans regarding the health of terrestrial animals: Peste des Petits Ruminants, Rabies and Foot and Mouth Disease. Proposal for action plan for African swine fever will be developed soon.
- Allocation of additional human resources from the OIE for the shared platform GF-TADS (Global Framework for the progressive control of Transboundary Animal Diseases)

This year the technical topic was related to "The effects of external factors (such as climate change, conflicts, socio-economic factors and trade) on Veterinary Services and the adaptations they require". A questionnaire was sent to each of the OIE-member states and stakeholders (scientists, civil society, etc.). The objective was to explore external factors that may affect veterinary services in order to identify potential OIE support.

- Main results
 - 125 member countries answered all questions.
 - More important external factors for veterinary services: pandemic diseases infecting livestock, followed by secondary

factors such as animal welfare and livestock intensification following biodiversity loss and b data

- To influence the future, veterinary services should improve in:
 - Planning activities
 - Assessing health risks
 - Assessing institutional risk
 - Confronting human and financial resources to better manage the future
- Possible contribution of the OIE according to the respondents:
 - Use of *ad hoc* working groups
 - PVS Process can help prepare for emerging risks

The "Global Burdens of Animal Diseases: GBAD" initiative, led by the University of Liverpool and financially supported by the Bill and Melinda Gates Foundation and OIE partnership support, was presented. The program has been developed to integrate the economic costs associated with global diseases to better guide national, regional and global disease management decisions. Then, exchanges took place with world organizations (FAO, WHO, WTO, World Bank, OECD) regarding their interest in this tool and their advices.

- In a collegial manner, all stressed the importance of assessing the economic impact of animal diseases on the livestock sector but also on human societies and the need to produce this data in order to make an informed choice of disease control plans and guide the choice of policy circles on the basis of objective data
- These organizations stressed the importance of verifying the reliability of the data and the quality of the data included in the model
- They drew attention to
 - the definition, early in the process, of the end users of these economic predictions
 - the expectations of these end users in order to design a model that meets their expectations
 - the need to clearly indicate the uncertainty associated with these economic assessments



- FAO highlighted the contribution of the livestock sector to people's livelihoods, job creation, children's cognitive development, rural empowerment, direct and indirect mitigation of climate change and income generation for small-scale livestock farmers and foreign exchange through trade
- WHO proposed to share its experiences and tools to help implement this GBAD programme

During the general session , it was indicated that the Man is a sentinel of zoonotic diseases: Emerging diseases are first detected in humans even if they originate from animals

If you are interested in learning more information about OIE and the 87th General Session, please have a look on

<http://oiegeneralsession.com/en/>



19th ISAH Congress, Wroclaw Poland – 8th-12th Sept. 2019 *Save the date!*



The next ISAH congress will be held in Wroclaw, Poland in September 8th - 12th 2019.

The ISAH 2019 Scientific and Organizing Committees do hope that You will join us and take an active part in all that we are offering. The Congress is a unique opportunity for industry and scientists to meet and acquire new knowledge as well as to exchange experience. With warm hospitality and more than enough facilities, we believe that it will be great success and unforgettable experience in the beautiful town of Wroclaw.

You can register through the website: <http://www.isah2019.com/>

We are looking forward to welcome You in Poland with the motto of the Congress - **“Animal Hygiene as a Fundament of One Health and Welfare improving biosecurity, environment and food quality”**.

On behalf of the Organizing and Scientific Committees.



Membership fees



Scientists, veterinary practitioners and other persons with a special interest in the field of Animal Hygiene can become member of the International Society on Animal Hygiene by paying a biannual membership fee of 40 Euros for two (2) calendar years in between the ISAH-congresses.

The ISAH membership fee is effective from the 1st of January and runs for 24 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.

For instance, those having paid the fee in 2018 or 2019, will have a discount for 2019 ISAH congress!

Membership fee can currently be paid only by money transfer. Alternatives are currently explored and might become available in the future. Or shall we say ... in the Congress?

Please visit our webpage for more details:
<https://www.isah-soc.org/?Members/Membership-fee>

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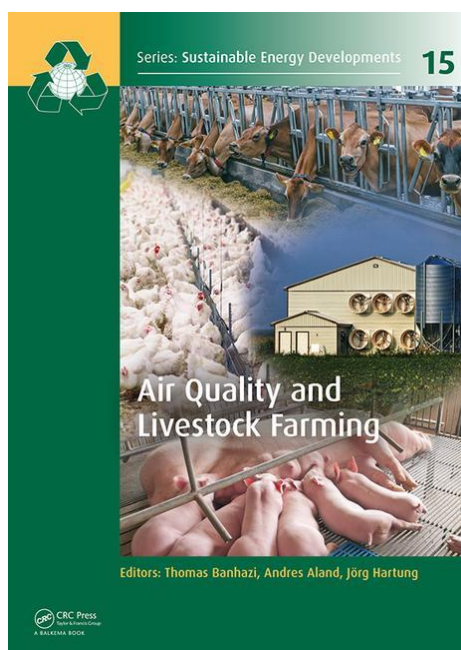
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Publications

4th book under ISAH auspice: "Air Quality and Livestock Farming"



Prof. Thomas Banhazi, Prof. Andres Aland and Prof Hartung have edited the 4th book under the ISAH auspice! There is in total 23 chapters covering the wide and important topic of air quality in livestock buildings. It addresses the raising awareness of the importance of optimal health and welfare for livestock species and provide-up-to-date information for professionals involved in modern animal production. With many contributions from international specialists and researchers, the book is available.

To buy one, visit: <https://www.crcpress.com/Air-and-Environmental-Quality-in-Livestock-and-Agricultural-Buildings/Banhazi-Aland-Hartung/p/book/9781138027039>

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Proceedings of the 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, for the ESPHM 2019, the Dutch porcine veterinary community as Local Organizing Committee (LOC).

The ESPHM held in Utrecht (The Netherlands). It was the 11th 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 1,540 delegates in the edition in Prague (Czech Republic) in 2017. 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 know-how in its field for the whole world.

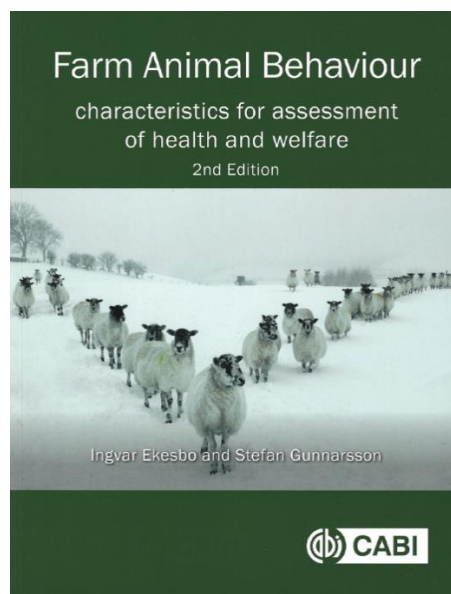
Interested in the final programme and book of proceedings?

Please visit the dedicated webpage:

<https://www.esphm2019.org/welcome>

Publications

Farm Animal Behaviour 2nd edition



Prof. Ekesbo and Assoc. Prof. Stefan Gunnarsson edited the 2nd edition of book *Farm Animal Behaviour -- Characteristics for assessment of health and welfare*. This edition provides essential information on normal and stereotypic behaviors in a wide variety of farm animals to help in the assessment and diagnosis of their welfare. The book describes normal and abnormal behaviour (innate, learned and social) of farm animals (horses, pigs, cattle, sheep, goats, rabbits) and poultry (hens, turkeys, gees and ducks) but also other non-domesticated farmed animals (fallow deer, red deer and ratites: ostrich, Rhea or Nandu and Emu). It provides a comprehensive yet concise background for all students, postgraduates and practitioners in veterinary medicine, animal science welfare and ethology.

To buy one, visit:

<https://www.cabi.org/vetmedresource/ebook/20183343840>

Publications

Of interest from ISAH members

About poultry production & animal hygiene

- ▶ Coton J. In press. Epidemiological study about feather pecking in laying hens housed in free range and furnished cages farms in France. Applied Animal Behaviour Science.
- ▶ Joosten, P., Sarrazin, S., Van Gompel, L., Luiken, R.E.C., Mevius, D.J., Wagenaar, J.A., Heederik, D.J.J., Dewulf, J., Graveland, H., Schmitt, H., Mevius, D., van Essen, A., Gonzalez-Zorn, B., Moyano, G., Sanders, P., Chauvin, C., David, J., Battisti, A., Caprioli, A., Blaha, T., Wadepohl, K., Brandt, M., Aarestrup, F., Hald, T., Duarte, S., Wasyl, D., Krasucka, D., Biernacki, B., Szumilo, J., Daskalov, H., Saatkamp, H., Stärk, K., 2019. Quantitative and qualitative analysis of antimicrobial usage at farm and flock level on 181 broiler farms in nine European countries. The Journal of Antimicrobial Chemotherapy 74, 798-806.
- ▶ Souillard, R., Reperant, J.M., Experton, C., Huneau-Salaun, A., Coton, J., Balaine, L., Le Bouquin, S., 2019. Husbandry Practices, Health, and Welfare Status of Organic Broilers in France. Animals 9, 97

About pig production & animal hygiene

- ▶ Van Gompel, L., Luiken, R.E.C., Sarrazin, S., Munk, P., Knudsen, B.E., Hansen, R.B., Bossers, A., Aarestrup, F.M., Dewulf, J., Wagenaar, J.A., Mevius, D.J., Schmitt, H., Heederik, D.J.J., Dorado-Garcia, A., Smit, L.A.M., Graveland, H., Van Essen, A., Gonzalez-Zorn, B., Moyano, G., Sanders, P., Chauvin, C., David, J., Battisti, A., Caprioli, A., Blaha, T., Wadepohl, K., Brandt, M., Hald, T., Ribeiro Duarte, A.S., Wasyl, D., Skarzynska, M., Zajac, M., Hoszowski, A., Daskalov, H., Saatkamp, H., Stärk, K., 2019. The antimicrobial resistome in relation to antimicrobial use and biosecurity in pig farming, a metagenome-wide association study in nine European countries. The Journal of Antimicrobial Chemotherapy 74, 865-876.

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Forthcoming events



70th Annual Meeting of the European Federation of Animal Science (EAAP)

It will be held in the in City of Ghent (Belgium) from **26th to 30th August 2019**.

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 meet and acquire new knowledge and to exchange experience. Carried out through many sessions, plenary meeting, a poster and an exhibition presentations, 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.

For more info, we invite you to visit the dedicated webpage:

<https://www.eaap2019.org/EN/Home/tabid/9594/Default.aspx>



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 and joerg.hartung@tiho-hannover.de

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