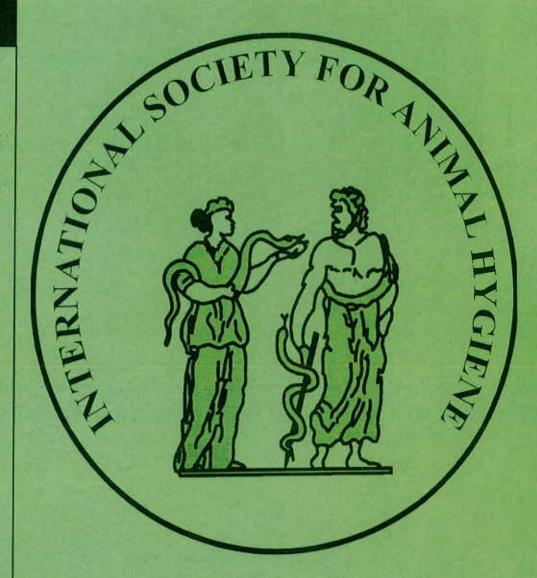
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International Society for Animal Hygiene

Newsletter n°13

ISSUE 13 May 2006

EDITORIAL

Starting to build up our "new ISAH"

For the past 30 years, ISAH's successful society life was based on organizing a conference on all aspects of animal hygiene (animal husbandry and animal welfare, environmental protection and waste management, disinfection and biosecurity) every third year somewhere in a country with an active group of animal hygiene scientists. In most cases, there was an In-between Conference in another country which concentrated mostly on one of the sub-topics of animal hygiene. Apart from these conferences and scientific meetings, there was no real activities of ISAH.

The growing interest of veterinarians, animal scientists, epidemiologists, economists, agricultural engineers etc. in the field of animal hygiene, and, most of all, the changing demands of the society and the consumers for optimizing food safety, preventing epidemic and zoonotic diseases and increasing animal welfare and environmental protection in Livestock production in terms of risk management instead of crisis management, created a momentum for animal hygiene as a "multidisciplinary discipline" providing the society and policy makers the scientific basis for public dialogues and political decision making.

This momentum led to the decision of the Executive Board of ISAH to re-organise the ISAH. In Warsaw, at the ISAH General Assembly on September 6, 2005, a new constitution was agreed upon with the following major characteristics of the society's structure:

- The General Assembly meeting during the ISAH Congresses at two-year intervals
- The Extended Executive Board consisting of all Country Representatives of ISAH, also meeting during the ISAH Congresses.
- The Executive Board consisting of the following 5 ISAH "officers", elected on September 6, 2005, by the ISAH General Assembly during the 12th ISAH Congress in Warsaw, Poland:
 - a) The standing President (Prof. Dr. Thomas Blaha, Germany) representing ISAH in all scientific and legal affairs
 - b) The 1st Vice President (Prof. Bo Algers, Sweden) organizing Expert Groups on special sub-topics, and leading the Scientific Board of ISAH consisting of the Expert Group Leaders.
 - c) The 2nd Vice President 'Assoc. Prof. Dr. Andres Aland, Estonia) organizing the 13th ISAH Congress in Tartu, Estonia
 - d) The Secretary General (Dr. François Madec, France) leading the administrative affairs of ISAH.
 - e) The Treasurer (Prof. Dr. Martin Tielen, The Netherlands) supervising the financial affairs of ISAH.

Interacting with each other constantly *via* electronic communication means and regular meetings at and in between the ISAH Congresses to develop further a fruitful scientific life of ISAH.

ISAH's understanding of "Animal Hygiene" is explained in Article 2 of the new ISAH Constitution:

"The field of animal hygiene includes the scientific analysis of the interactions between domestic animals and any abiotic and biotic factors of their direct and indirect environment with the aim to develop optimization and intervention measures for preventing diseases (including zoonoses and food safety relevant infections and contaminations), promote the animal's health and their species-specific welfare needs whilst maintaining a secure and sound environment".

To make this understood by the public and other scientific societies as well as by international organizations such as O.I.E., WHO and FAO, the ISAH logo is from now on accompanied by the following tag line explaining ISAH's purpose:

"Promoting Animal Health, Animal Welfare, Biosecurity, Environmental Protection and the Sustainability of Animal Husbandry"

The mission of ISAH, as outlined in the new ISAH Constitution, is to:

- Improve the knowledge on risk factors and on measures which prevent the development and spread of diseases and pathogens in animals including those that pose a risk to human health (zoonoses and food safety relevant infections and contaminations such as residues in food derived from animals).
- Promote research and information flow from science to primary producers in the field of herd-health of livestock and poultry.
- Improve the knowledge on measures which will optimize animal welfare.
- Improve the knowledge on measures to minimize the potential adverse effects of animal production on the environment including those that pose a direct and/or indirect risk to human health
- Promote the creation of interdisciplinary networks of scientists working in the field of animal hygiene and related areas.
- Transfer the "cutting-edge" knowledge and information on animal hygiene to veterinarians, animal scientists, animal producers, physicians and public health professionals as well as to decision makers in agribusiness and politics.

The creation of expert groups on key areas such as animal housing, biosecurity of wastes, food safety, disinfection, herd health management ... is intended to bring in and potentiate scientific knowledge currently too often confined to their own arena. They will be working under the leadership of the 1st Vice President of the Society⁽¹⁾. Every second year the ISAH will organize its congress. As it is now, the link will be maintained among the animal hygienists in the different countries through the Extended Executive Board.

I heartly hope that this new organization will be a new start for the ISAH(2)

Thomas Blaha University of Veterinary Medicine Hannover, Germany First Standing President of ISAH

(2) More info on the ISAH: www.isah-soc.org

⁽¹⁾ Prof. Bo Algers is currently working on these expert groups

XIIth CONGRESS of the ISAH

Warsaw, Poland: 4-8 September 2005

The congress venue was the new campus of the Agriculture University, located South Warsaw. The facilities of Veterinary Medicine and Animal Sciences faculties were used (SGGW). The local main organizers were Prof. Dr. Andrzej Krynski (chair) and Dr. Robert Wrzesien (Vice-chair). They did, indeed, a lot of efforts to prepare the event and make it successful. 250 people coming from 35 different countries were registered. 32 persons were from Poland, 23 came from Germany and 10 from Ukraine. The main item of the congress was "Animals and Environment". 18 lectures were given during the plenary sessions and 60 during the parallel ones. A total of 138 posters were obtained.

The frame of the Congress was as it follows:

- 1- Monday 5 Sept: plenary session: Herd-health management as a tool for improving health and production of livestock
 In the afternoon we had 3 parallel sessions:
 - A- Health and environment in cattle and small ruminant production
 - B- Health and environment in pig production
 - C- Health and environment in poultry production
- 2- Tuesday 6 Sept: plenary session: Environmental protection and public health in respect to animal hygiene. The afternoon was devoted to the General Assembly
- 3- Wednesday 7 Sept.: plenary session: Animal welfare as an integral part of sustainable animal production

In the afternoon we had 4 parallel sessions

- D- welfare and behaviour of animals
- E- Waste and by-products management and disinfection
- F- Pre-harvest food safety and veterinary public health

G- Free communications

4- Thursday 8 Sept.: The day was dedicated to professional excursions

Best Poster Price: it was given to Dr. Eftychia Xylouri-Fragkiadaki from the Faculty of Animal Science, Agr. Univ. of Athens. Her poster was entitled: "Estimation of the prevalence of pathogenic mycobacterium in organic broiler farms in Greece by the polymerase chain reaction".

Prof. Tielen Foundation (PTF). This initiative of Prof. Tielen and Dr. Van Gulick from The Netherlands started in 2000 and it was aimed at giving financial support to young scientists from developing countries who were willing to attend the congress. In Warsaw we had 32 applicants. 21 were selected and among these, 15 could attend and get the funds. They came from 13 different countries.

The proceedings of the congress (two volumes) were nicely prepared (972 pages) and given to the participants.

According to most, an outstanding scientific programme was proposed. During the sessions. lively and fruitful discussions took place and, no doubt, this was an important moment of the ISAH. Additionally, outside the sessions a very friendly climate prevailed among participants. The closing ceremony held within the campus was another wonderful moment. It was also the occasion taken by Prof. B. Algers, 1st Vice president on behalf of the Executive Board, to thank Prof. Krynski and Robert Wrzesien and the entire organizing committee for their intense activity and make the congress successful.

F. Madec



ISAH XIII – June 2007 International Congress in Animal Hygiene

The world famous scientist Karl Ernst von Baer, the discoverer of human ovum has said that science is eternal in its sources, immeasurable in its scope, infinite in its tasks and unachievable in its aims.

Regardless of this argument expressed by the most famous Tartu-connected scientist that the goals of science are not achievable, the scientists ought to meet regularly in order to clarify their goals, review and compare their findings, demonstrate their skills and exchange new methods, and – last but not least – encourage each other to employ fresh study methods and set up new tasks. The obvious statement is that scientists in the field of animal hygiene and related areas cannot be an exception in this regard.

The International Society for Animal Hygiene will organize its next, XIIIth International Congress in Animal Hygiene in Tartu, Estonia, on June 17-21, 2007.

On the behalf of the organizing committee I have a great honour and pleasure to ask you all to attend the meeting, contribute the scientific programme and, last but not least, enjoy the wonderful Estonian summer together with the hospitality of Tartu city.

The congress will consolidate all participants together with their high-quality scientific contribution under the motto "Animal health, animal welfare and biosecurity".

The congress will be organised around the following main topics:

- A. ANIMAL ENVIRONMENT INTERACTIONS
- B. ANIMAL HEALTH ECONOMICAL ASPECTS IN ANIMAL HUSBANDRY
- C. ANIMAL WELFARE AT TRANSPORT AND AT SLAUGHTER
- D. PRECISION LIVESTOCK FARMING (PLF) HEALTH AND WELFARE ASPECTS
- E. RISK FACTORS FOR HUMAN HEALTH IN FARM ANIMAL SPECIES AND HUSBANDRY SYSTEMS
- F. RISK FROM EMISSIONS AND WASTES IN LIVESTOCK HUSBANDRY

The preparation process for the XIIIth ISAH congress started in late spring of 2005, approximately two years before the event. Since then, the close cooperation between the local organizing committee and the ISAH board has finalised with the following preliminary programme.

DAY 1, Sunday, 17.06.2006

City tour, registration, opening ceremony, get together reception

DAY 2, Monday, 18.06.2006

8.15-8.45 Set up Monday's posters

8.45-12.10 PLENARY LECTURES (10.20-10.50 coffee break)

- 1. The opening note "The growing role of animal hygiene for producing food of animal origin"
- 2. "Animal health, animal welfare, biosecurity and environmental protection as major components for a sustainable animal production"
- 3. "The "hygiene package" a new approach to food safety"
- 4. "New trends in preventing epidemic diseases in livestock and poultry"
- 5. "New trends in animal welfare"
- 12.15-13.15 Lunch
- 13.15-17.30 PARALLEL SESSIONS
- (15.15-16.15 Poster presentations sessions A1, A2, A3 + coffee break)
- A: Animal environment interactions

A1 Impact of environment on cattle behaviour, health and performance

A2 Impact of environment on pig behaviour, health and performance

A3 Impact of environment on poultry behaviour, health and performance

17.30 Removal of Monday's posters

DAY 3, Tuesday, 19.06.2006

8.00-8.30 Set up Tuesday's posters

8.30-12.20 PLENARY LECTURES (9.50-10.20 coffee break)

- 1. "Health and welfare in genetically high producing dairy cows and its economical implications"
- 2. "Animal welfare at transport and at slaughter of livestock and poultry"
- 3. "Environmental stress and reproduction in cows and sheep"
- 4. "Impact of human-animal interactions on the health and productivity of farm animals"
- 5. "Precision livestock farming health and welfare aspects"

12.20-13.15 Lunch

13.15-17.30 PARALLEL SESSIONS

(15.15-16.15 Poster presentations - sessions B1, B2, C1, D1 + coffee break)

B: Animal health - economical aspects in animal husbandry

B1 Animal health – economical aspects in cattle husbandry

B2 Animal health – economical aspects in pig and poultry husbandry

C: Animal welfare at transport and at slaughter

C1 Animal transport, euthanasia and slaughter - can good welfare be provided?

D: Precision livestock farming – health and welfare aspects

D1 Precision livestock farming – health and welfare aspects

17.30 Removal of Tuesday's posters

17.45 ISAH GENERAL ASSEMBLY

DAY 4, Wednesday, 20.06.2006

8.03-9.00 Set up Wednesday's posters

9.00-12.10 PLENARY LECTURES (9.20-10.50 coffee break)

- 1. "The zoonoses regulations new approaches to reducing zoonotic pathogens"
- 2. "Avian influenza current situation and future trends"
- 3. "Risk assessment of airborne emissions and waste effluence from livestock production"
- 4. "New challenges for environmental protection in terms of intensive animal production"

12.15-13.15 Lunch

13.15-17.30 PARALLEL SESSIONS

(15.15-16.15 Poster presentations - sessions E1, E2, F1, F2 + coffee break)

E: Risk factors for human health in farm animal species and husbandry systems

E1 Microbial risk - occurrences in species and husbandry systems and risks of spreading

E2 Feed hygiene - animal health - food safety

F: Risk from emissions and wastes in livestock husbandry

F1 Emissions and wastes in animal husbandry - risks for animal and human health

F2 Animal hygiene measures for the protection of environment and public

17.30 Removal of Wednesday's posters

DAY 5, Thursday, 21.06.2006

9.00-15.00 Professional excursions

All social events will be announced later.

We have invited well-known scientists as plenary lecturers as well as chairmen for parallel sessions. Most of them have accepted our invitation by now. All parallel sessions will start with a 15 min introductive talk given by the chairmen. We expect exciting oral presentations, both invited and proposed by participants.

An international scientific committee, comprising of outstanding scientists in the area of abovementioned topics, will select the abstracts for acceptation, most appropriate topics, oral and poster presentations regarding the appointed preference.

The Congress venue is a newly renovated, well-equipped and internationally-oriented concert and conference centre: Vanemuise Concert Hall.

Rooms of different categories from "low budget" to "first class" are reserved within a short walking distance or bus trip from the congress venue located downtown.

State of the art of the XIII ISAH congress will be updated regularly on the website of the congress (http://www.emu.ee/isah2007).

All new information concerning the scientific contribution and attendance of the event will be regularly updated there.

There are almost 120 pre-registered participants at the moment. We have decided that earlier announced second announcement will not be published. Instead, the final announcement with most comprehensive information concerning participation fees, committees (organizing, scientific), plenary lecturers and chairmen of parallel sessions, confirmed timetable, important dates, submission of abstracts and papers, social events, accommodation, various general information (venue, language, weather etc), young scientist support (PTF foundation), ISAH membership ... etc ... will be introduced.

The organizing committee and the Estonian University of Life Sciences (http://www.emu.ee) welcome you in TARTU – CITY OF GOOD THOUGHTS (http://www.tartu.ee). Come and enjoy our long warm days and short light nights at the eastern border of the European Union. Important dates:

FINAL ANNOUNCEMENT: August 2006
ABSTRACT DEADLINE: November 1, 2006
FINAL REGISTRATION DEADLINE FOR EARLY PARTICIPATION FEE: March
15, 2007

PAPER DEADLINE: April 1, 2007 ISAH-CONGRESS: June 17–21, 2007

Important contacts:

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CONGRESS OFFICE

Frens Conference Services Toompuiestee 30 10149 TALLINN, ESTONIA TEL: +372 6 979 290

FAX: +372 6 979 201

E-MAIL: conference@frens.ee

Looking forward to seeing you all in Tartu in June 2007,

Andres Aland, 2nd Vice-president of ISAH

Prof. Tielen Foundation supports again young scientists from developing countries to participate in the XIIIth ISAH Congress on Animal Hygiene in TARTU, Estonia.

One of the special activities of the organising committee of the Xth Congress on Animal Hygiene in 2000 in Maastricht (NL) was that for the first time young scientists from developing countries could get a grant for financial support to attend the congress. The organising committee of Maastricht founded the "Prof. Tielen Foundation (PTF)" dedicated to this purpose and it was very successful.

After the congress, the PTF continued to collect money from individual veterinarians and companies to support young scientists in the next congresses also.

On that way the PTF supported in the last 3 congresses all together 55 young scientists from over 20 different developing countries for a total amount of \in 51500.00. In the last congress in september 2005 in Warsaw the PTF supported 15 young scientists from 13 different countries.

The Board of the PTF decided to open again the opportunity for young scientists in the developing countries to apply for a grant to attend the XIIIth congress of the ISAH from 17-21 June 2007 in Tartu in Estonia.

We will use the same design for the application for this financial support as used for in the former congresses.

So for the XIIIth congress in Tartu, young scientists in the East European Countries can apply for a support of a maximum of 400 Euros for the congress fee and a part of the lodging costs. The young scientists from developing countries "overseas" can apply for an additional contribution in the travel costs with a maximum of 500 €.

The conditions are as follows:

- Only young scientists of developing countries (South America, Africa, Asia and Eastern Europe) can apply for financial support.
- The applicant has to be no more than 35 years of age.
- The young scientist has to present a paper with sufficient scientific quality at the congress.
- The young scientist has no opportunity to find financial support by other sources

- All applications are pre-selected by the country representative of the ISAH in the country of origin. There may be more than one application submitted, however in principle only one will be selected per country for the grant by the Board of the PTF.
- There will be only one young scientist awarded per country
- Country representatives can ask for application forms by e-mail to the Prof. Tielen Foundation (e-mail: martiel@planet.nl or fax: *31 411 672852)
- Completed Application Forms from the young scientist should be sended by e-mail together with a copy of the submitted abstract for the congress to Prof. Tielen (e-mail: martiel@planet.nl) or faxed to the PTF-secretariat:

PTF-Secretariat Att. Dr. P. van Gulick Elsendorpseweg 44 5424 TB Elsendorp, The Netherlands Fax: * 31 492 351484

- Selection of the applications will be carried out by the Board of the PTF in the Netherlands.
- Payment of the promised financial support will take place at the venue of the congress in Warsaw after handing in the registration confirmation and the travel tickets.

The PTF expects that it will be able to support about 15 young scientists for participation in the congress under the mentioned conditions. Applications will be handled in order of reception. In cases of equal capability the order of reception will determine the final decision.

We hope that we can stimulate the attendance of young scientists and realise in that way a contribution to the education of these young scientists in Animal Hygiene and enhance the exchange of scientific knowledge between scientists within our Society of Animal Hygiene.

Prof. Martin Tielen
Treasurer of the
Executive Board
of ISAH
Chairman of the PTF

Dr. P. van Gulick Practitioner Secretary PTF

Membership Fee ISAH

Scientists interested in the field of Animal Hygiene can become member of the International Society for Anima Hygiene by paying a yearly membership fee.

For the years 2006 and 2007 the membership fee is fixed on 10 Euro per year.

Membership fee can be paid by different ways:

Transferring the fee to the bank account of ISAH:

1) Bank: Rabobank Boxtel

Stationstraat 22

52 80 AA Boxtel, The Netherlands

BIC: RABONL2U

IBAN: NL86 RABO 0168879581 Att. M.J.M. Tielen, inz. ISAH

Korte Heide 6

Boxtel

Accountno: 16 88 79 581

All costs of the bank transfer has to be paid by the member.

- 2) To avoid high transfer costs in relation to the payment, the country representative can collect the money in his country and transfer it to the treasurer on the way mentioned under point 1 or hand it over to the treasurer during the next congress. In that case the country representative has to send the name and address of the registered member(s) as soon as possible by e-mail also to the treasurer (martiel@planet.nl)
- 3) By sending the appropriate amount of money in either EURO (20) or USDollar (25) to the treasurer of ISAH by regular mail:

Prof. Dr. Ir. M.J.M. Tielen Korte Heide 6 5281 PM Boxtel, The Netherlands

4) By paying the membership fee at the registration desk at the congress venue for the next years after the running congress. That will mean, that you are registered as member of ISAH from that moment on and that you cannot be considered for the reduction in the congress fee for existing members. Reduction on the congress fee can only be applied for the members who paid the membership fee for the preceding "between congress" period.

Attention: Direct after individual payment you have to send an e-mail to the treasurer (martiel@planet.nl) with your name, address, phone, e-mail and profession. The treasurer will send you then by e-mail a confirmation of the receipt of the fee after reception. This e-mail is the approval of your membership.

Prof. Dr. Ir. Martin Tielen, treasurer ISAH

News from Greece

SUPPORTING EUROPEAN ORGANIC ANIMAL PRODUCTION VIA PORTAL TECHNOLOGY

¹ Eftychia Xylouri, ¹Eirini Fragkiadaki, ²Constantina Costopoulou, ²Alexandros Sideridis*

Agricultural University of Athens, ¹Department of Anatomy & Physiology of Farm Animals, and ²Informatics Laboratory, Iera Odos 75, 118 5 Athens, Greece

1. Introduction

Food safety and traceability are the key points of the future demands of the consumers due to the last decade's problems in food chain. Organic Animal Production (OAP) is a promising sector, that provides: (a) the protection of the environment, (b) the maintenance and growth of soil fertility, (c) the respect on consumers' health, (d) the biodiversity maintenance of agricultural ecosystems, (e) the recycling of substances and resources within the agricultural exploitations, (f) the view of agricultural exploitations as units in equilibrium, (g) the ensuring of crop cultivation and animal keeping in harmony with natural laws, (h) the optimal agricultural production yield, and (i) the use of new and effective technologies on OAP and on animal breeding, according to each species demands (IFOAM 2005).

OAP, even though is a quite new sector for some European countries, has gained increasing interest, due to European Union (EU) and national governments' political support, as a result of consumers' demand for organic food products. The problems that the new sector is facing can be solved using appropriate information and communication technologies.

The aim of this paper is to present a Webbased information system for OAP (termed as OAPIS) using Web portal technologies. The OAPIS system aims at providing a central access point for all participants involved in the OAP value chain (veterinarians, organic farmers, etc). It will provide (i) access to multilingual, specialized, updated and certified OAP online information (ii) access to electronic business (e-business) services

and mobile services (e.g. alerts for production protection), and (iii) user-friendly access via various communication channels. The OAPIS system is part of an electronic services (eServices) system for overall organic agriculture in Europe that based on the research work performed in the context of EU *e-Content programme* 11293 "BIO@GRO".

2. Materials and Methods

The OAP system will have two important characteristics: Firstly, the services provided by the system will be specialized according to different OAP needs in local, regional, national or European level. Secondly, the provision of these services will fulfill the OAP participants' requirements.

The participants and their roles in the OAP value chain are the following (Costopoulou et al., 2004): Veterinarians, Organic farmers, Traders, Processing companies, Consumers, Ministries of Agriculture, Certification and Inspection Organizations, Research institutions and Universities, EU Agricultural Agencies.

3. Results

OAPIS will support information services, e-business services, and mobile services. Information services will include OAP news, announcements, events, best practice guides, links with related agencies such as certification bodies, monitoring organizations etc. E-business services will include legislation, law and administrative documents related to OAP, market reports, market

information and trends, product price reports, advertisement services, online markets etc. Mobile services will include alerts for OAP announcements, production protection etc. In addition, these services will be distinguished into public and private services. Public services concern information that are available free of charge. Private services are the e-business, and mobile services and are only available to registered users.

OAPIS users will be: (a) consumers (b) organic providers (e.g. farmers, traders, processing companies) (c) third parties (e.g. certification and inspection organizations, Ministries, Universities and Research Institutes). The implementation of OAPIS will be based on Web portal technologies (e.g. HTML, XML, Web services, databases) and will allow content management functionalities.

4. Conclusions

The fully implementation of OAPIS will become a gateway for providing the participants with rapid access to accurate and specialized OAP information and services, and help them to apply their organic activities more efficiently, to take better informed decisions and to become more competitive (Xylouri et al., 2001). We believe that OAPIS will contribute to overall development of organic agriculture sector in Europe. Visit http://bioagro.aua.gr

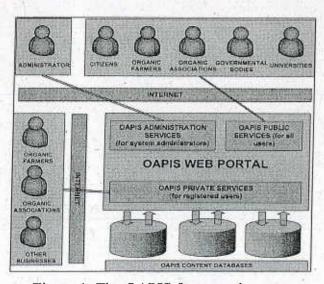


Figure 1: The OAPIS framework

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Announcements

Don't forget: the next Congress of the ISAH !! (See also P4)

Venue: Tartu, EstoniaDate: 17-21 June 2007

- Main organizer: Dr. Andres Aland, Estonian Agricultural University,

2nd Vice President of the ISAH

- Please visit the website: www.eau.ee/isah2007

40th International Congress of the International Society for Applied Ethology

Venue: Bristol (UK)Date: 8-12 August 2006

Main organizer: Chris Sherwin

Main theme: Applying ethology: links between fundamental and applied research

Contact: website: www.isae2006.co.uk

8th World Congress on Genetics applied to Livestock Production

Venue: Belo Horizonte, BrazilDate: 13-18 August 2006

- Contact: secretariat@wcgalp8.org.br

- Website: www.wcgalp8.org.br

XIIth European Poultry Conference

Venue: Verona, Italy

Date: 10-14 September 2006Website: www.epc2006.wpsa.it

12th Ramiran International Conference (Network on Recycling of Agricultural, Municipal and Industrial Residues in Agriculture)

Venue: Aarhus, Denmark Date: 11-13 September 2006

Contact: Danish Institute of Agricultural Sciences, Dpt of Agricultural Engeneering, Research

Centre Bygholm. Dr. S.G. Sommer: E mail: steng.sommer@agrsci.dk

57th Annual meeting of the EAAP (European Association for Animal Production)

Venue: Antalya, Turkey

Date: 17-20 September 2006

Contact: Organizing secretariat, Saltur Tourism and Travel Agency

E mail: saltur@eaap2006.gen.tr Website: www.eaap2006.gen.tr

7th International Congress of the European Society for Veterinary Virolgy (ESVV).

Venue: Fac. Med. Vet., Lisbon, Portugal

Date: 24-27th September 2006 Main organizer: Prof. Carlos Martins

Website: www.esvv2006.org

XXIVth World Buiatrics Congress

Venue: Nice, France **Date**: 15-19th October 2006

Secretariat: nskandul@nice-acropolis.com

Website: www.wbc2006.com

International Symposium on Emerging and Re-emerging Pig Diseases

Venue: Krakow, Poland Date: 24-27 June 2007

Main organizer: Prof. Z. Pejsak

Website: www.piwet.pulawy.pl/pigdiseases2007/

