

EAAP

European
Federation of
Animal Science



Individual Member Flash-e-news

The organization of our annual meeting is proceeding. Currently, over 50 sessions are already in place and more than 1000 participants are expected to attend! In order to make your research easier we have put the draft scientific programme in the next page. For any other information please see www.eaap2012.org

Please remember the deadline for participating actively to the EAAP annual meeting.

ABSTRACT SUBMISSION

March 1st is the deadline to submit an abstract at the 63rd annual meeting of EAAP that will be held in Bratislava, the beautiful capital of Slovakia (www.eaap2012.org)

All authors should also remember that to improve dissemination of the presentations that will be offered at the Bratislava meeting the complete PDF file of theatre presentations and posters should be also submitted before 20 September 2012 to EAAP for publication in the EAAP website.

Authors have to submit the PDF file any time from now up to 20 September by emailing it to paper@eaap.org.

Scholarships

EAAP every year gives a good number of scholarships depending on the available budget and on the eventual sponsor supporting the scholarships program. To participate to the scholarship program you must be EAAP individual member that is: resident in one of the EAAP member countries (with some restrictions for few countries) or if you are resident in a non EAAP member countries you need to become EAAP individual member directly. See http://www.eaap.org/Content/Individual_Membership.html for more information.

For the 63rd annual meeting in Bratislava from 27 to 31 AUGUST 2012 the deadline is

1st March 2012

All applications should be sent to EAAP:

Each applicant must send to the EAAP Secretariat in Rome (eaap@eaap.org):

- Name, address, fax and phone number, date of birth and short CV
- Name and address of the institution where he/she works.

Scientific programme for the 63rd Annual EAAP Meeting 2012 - Bratislava, Slovakia (Monday 27 August – Friday 31st August 2012)

Monday am	Monday pm	Tuesday am	Tuesday pm	Wednesday am	Wednesday pm	Thursday am	Thursday pm
	Biology of lactation workshop (EAAP/ASAS)	Plenary session					
1 Mammary gland development and function Chair: K. Singh	9 Mammary health during the transition period Chair: K. Singh	18 Synthesis and secretion of specific constituents into colostrum and mature milk. Chair: R. Bruckmaier	19 Genomic selection. Chair: N. Ibanez	27 The effect of nutrition and metabolic status on follicle, oocyte and embryo development. Chair: H. Quesnel	35 Genetics business meeting and free communications Chair: H. Simianer	Industry session: 44 Precision dairy and beef farming. Chair: J. Hocquette	50 What's new about stress, behaviour, physiology and welfare in animals? Chair: I. Veissieri
2 Opportunities to use genomic information for in-situ and ex-situ conservation Chair: J. Fernandez	10 PRRS eradication or control: what needs to be done? Chair: A. Doeschl-Wilson	19 Genomic selection. Chair: N. Ibanez	20 Modelling complexity in LFS to address trade-offs and synergies for efficiency. Chair: M. Ticht	28 Livestock farming systems in emerging and developing countries: trends, roles and goals. Chair: S. Oosting/I. Stokovic	36 Cattle business meeting and free communications Chair: A. Kuipers / C. Lazzaroni		51 Analysis of complex traits based on genome sequences and high density genotyping Chair: M. Lund
3 Breeding and management for milk, beef and product quality Chair: M. Klopčič	11 Closing the phenomic gap – Methods, data collection and experiments to select for new traits Chair: R. Veerkamp	20 Modelling complexity in LFS to address trade-offs and synergies for efficiency. Chair: M. Ticht	21 Boundaries to the treatment of animals; the use of the concept of animal integrity. Chair: E. Stassen	29 Using genomic data for management and non-breeding purposes. Chair: M. Winters	37 Horse business meeting and free communications Chair: N. Miraglia	All-day Symposium	52 Efficiency, competitiveness and structure of ruminant husbandry in Eastern Europe. Chair: A. Rozstalnyy/A. Svitiojus
4 Labour issues in livestock farming systems (workload, gender, lifestyle, satisfaction, part-time agriculture, immigration) Chair: K. Eilers	12 Safety, economic and environmental impact of feed ingredients derived from new technologies on livestock production in the EU Chair: G. Flachowsky	21 Boundaries to the treatment of animals; the use of the concept of animal integrity. Chair: E. Stassen	22 Organic and Low Input Dairy Farming Systems Chair: N. Scollan	30 Nutritional value of by-products derived from the bio-based economy. Chair: L. Bailoni	38 Sheep and Goats business meeting and free communications Chair: L. Bodin	All-day Symposium: Industry session	46 Nutrient sensing and signalling in the gastrointestinal tract; mechanisms, physiological significance and impact on animal's performance and health. Chair: S. P. Shirazi-Beechey
5 Emerging diseases and challenges in horse production Chair: D. Burger	13 Breeding and conservation of dog breeds Chair: E. Strandberg	22 Organic and Low Input Dairy Farming Systems Chair: N. Scollan	23 Impact of market requirements and production conditions on pig breeding goals: mainstream and niche. Chair P. Knap	31 Piglet survival through lactation performance, milk composition and management. Chair C. Lauridsen/G. Bee.	39 Pigs business meeting and free communications Chair: P. Knap	All-day Symposium:	47 Genomics and horse production: from science to practice. Chair: J. Mickelson,/A. von Velsen-Zerweck
6 Impact of stockmanship on pig welfare. Chair A. Velarde.	14 Horse genetic resources focused to Central Europe Chair: D Lewzuck 14b Free Communications in Horse Genetics Chair: I. Cervantes	23 Impact of market requirements and production conditions on pig breeding goals: mainstream and niche. Chair P. Knap	24 Integrated aquaculture: for sustainable use of resources. Chair: S. Papoutsoglu	32 Entrepreneurship, farm and herd management. Chair: I. Halachmi/A. Kuipers	40 Nutrition business meeting and free communications Chair: J-E. Lindberg	All-day Symposium: Lactation and milking of small ruminants	53 Milk quality, technology and processing in sheep and goats Chair: E. Ugarte
7 Detection and control of mastitis and lameness Chair J. Krieter	15 Lamb, kid and piglet perinatal survival and vigour Chair: J. Conington	24 Integrated aquaculture: for sustainable use of resources. Chair: S. Papoutsoglu	25 Phenotyping complex traits in dairy and beef cows; applications. Chair: M. Coffey	33 Health and fertility: aspects of breeding, energy balance and transition periods. Chair: G. Thaller	41 Livestock Farming Systems business meeting and free communications Chair: A Bernués		54 Fibre production in Central and Eastern countries. Chair: R. Niznikowski
All-day Symposium: Nitrogen Utilization by Ruminants	All-day Symposium: Nitrogen Utilization by Ruminants	25 Phenotyping complex traits in dairy and beef cows; applications. Chair: M. Coffey	26 AI, reproductive technologies and fertility in sheep and goats. Chair: M. Milerski.	34 Animal welfare research and education in enlarged Europe. Chair H. Spoolder	42 Animal Physiology business meeting and free communications Chair: M. Vestergaard	All-day Symposium: Livestock and climate change: options for mitigation and adaptation	55 Adaptation of livestock farming systems to climate change and uncertainty. Chair: S. Ingrand 56 Adaptation of livestock to climatic stress. Chair: F. Ringdorfer
8 Feeds and feed evaluation for ruminants Chair: G. Broderick	16 Innovative and practical management strategies to reduce N excretion from dairy farms. Chair: A. van Vuuren	25 Phenotyping complex traits in dairy and beef cows; applications. Chair: M. Coffey	26 AI, reproductive technologies and fertility in sheep and goats. Chair: M. Milerski.	34 Animal welfare research and education in enlarged Europe. Chair H. Spoolder	43 Management and Health business meeting and free communications Chair: C. Fourichon /Gurbus Das		
	Industry session: 17 Risk management and communication in face of public health challenges Chair: M. Pearce	26 AI, reproductive technologies and fertility in sheep and goats. Chair: M. Milerski.					

- The full paper which the applicant intends to present, written in English. The paper should not exceed 5 pages including tables, figures and references. The contribution should be in line with the agenda of one of the provisional sessions.
- A copy of the original abstract form (in English), completed in accordance with the instructions given by Wageningen Academic publishers.



The paper can be sent by email (eaap@eaap.org) or by post (5 copies) to: EAAP - Via G. Tomassetti 3 A/1, I-00161 Rome - Italy

The applicant should send directly to the Publisher the completed abstract form. The form and guidelines for completing the Abstract form can be downloaded from www.WageningenAcademic.com/eaap. Please follow

the instructions carefully. If you encounter problems downloading the form or guidelines, please contact Wageningen Academic Publishers directly (eaap2012@WageningenAcademic.com)

The EAAP Secretariat in Rome will inform the applicants of the result of the examination by the Board of Examiners of their application by April 30th.

The Successful applicants will receive information on the conditions and uses of

the lump sum, according to the financial situation of the Scholarship Fund. In the same way as for all other authors, the successful applicants will be informed by the relevant Commission President on the method of presentation chosen for the paper in question that can be either oral presentation or poster. Not successful applicants will also be advised by that date. Please note well that the failure to obtain a scholarship does not entail the removal of the abstract and the relevant Commission President will also inform you if the paper was accepted and eventually about which method of presentation was chosen for the paper in question.

We are pleased to announce that Morocco is again an EAAP member!

The Moroccan Association for Animal Production (ANPA) is an NGO that has been involved in livestock development in Morocco for more than 40 years. Mainly composed by scientists, central and regional agricultural development institutions representatives, livestock producer associations, private sector operators ..., ANPA has been very active in promoting livestock sector studies, development strategies, research and education programs, extension, packages of technology

production and diffusion, socio economic and marketing analysis, environmental issues ... in relation with animal production. Cattle, small ruminants as well as poultry and camels have received most of attention.

In parallel, ANPA had developed international linkages. In 1987, ANPA became member of EAAP as Moroccan representative. Since that time, ANPA members have actively participated to different activities within EAAP: annual meetings, Mediterranean international

livestock symposia, collaborative research networks, publications... Moroccan animal scientist community in particular has been very present within the Mediterranean basin and contributed to several collaborative research and higher education programs as well as networks dealing with different animal science disciplines.

Because of financial difficulties, ANPA membership to EAAP was suspended during the last



few years. This situation has now been overcome. It is the hope of our association to develop from now on a new phase of participation within EAAP family and consolidate partnership with European and Mediterranean animal production scientist communities and livestock professionals.

Prof. Fouad Guessous is the Secretary General of ANPA

Short news of animal science and related industry

The KTN, an offshoot of the Technology Strategy Board (TSB) UK innovation agency, announced the establishment of 12 new collaborations with SMEs - Crown Research Institutes as part of SPARK project. The SPARK projects are intended to encourage the establishment of new collaborations between

small businesses (SOHO / SMEs) and research institutes. With a modest sum (£ 5,000), the SPARK funds research partnerships in the areas of bioscience (pets, food technology and production, bioscience industry, plants and seeds). With regard to Animal health, there are

the following projects:

- Development of a test for multiple pathogens in poultry (Diagnostics Ltd - University of Edinburgh)
- Study of a plant extract to fight against certain forms of lameness (Superfix Supplements - University of Liverpool)
- Creation of a reference population of male terminal in sheep in the UK to work on decoding the GWS (Texel Sheep Society - Scottish Agricultural College (SAC))
- New research strategy on carcinomas in horses (ProKyma Ltd - University of Liverpool)

The University of Aarhus, in cooperation with the company HJ Agroteknik A / S (manufacturer of livestock equipment) and the Danish poultry company Hans Rauff Hansen will launch a

research program on the use of hot plates as a parent incubators replacement. This experiment aims to encourage the natural behaviour of chicks to take refuge under a heat

source to be heated after birth, and avoid behaviours harmful to animal welfare (feather pecking, cannibalism, ...), improving the feed efficiency in the chick. The funds for this program is of € 320k for a period of 3 years

SEND YOUR COMMENTS TO:
eaap@eaap.org



BASF has secured an agreement with DIREVO Industrial Biotechnology GmbH to put on the market of animal feed a new enzyme, Mannanase developed by Direvo. Direvo (Cologne, Germany) is a company that specializes in development tools enzymes and microorganisms and Industrial process for converting biomass into energy.

Direvo has four families of different patents on mannanases. The company has developed from the enzyme of *Trichoderma Reesei*, a filamentous fungus, via its platform screening Broadband. The latest patented enzyme can withstand high temperatures encountered during the manufacture of animal feed and the acidity of the digestive tube. This product complements the range BASF enzyme that already distributes a phytase, a xylanase and a β -glucanase in different mixtures for pigs and poultry.



Boehringer Ingelheim Vetmedica Ltd. (BIV), a subsidiary of Animal Health Boehringer Ingelheim group, is developing a new strategy, focusing on disease prevention and health of the cattle in the USA. For the company, a prevention strategy goes well beyond vaccination campaigns and must have a more comprehensive approach. This approach (the Prevention Logic[®]) is presented in four points on a New website:

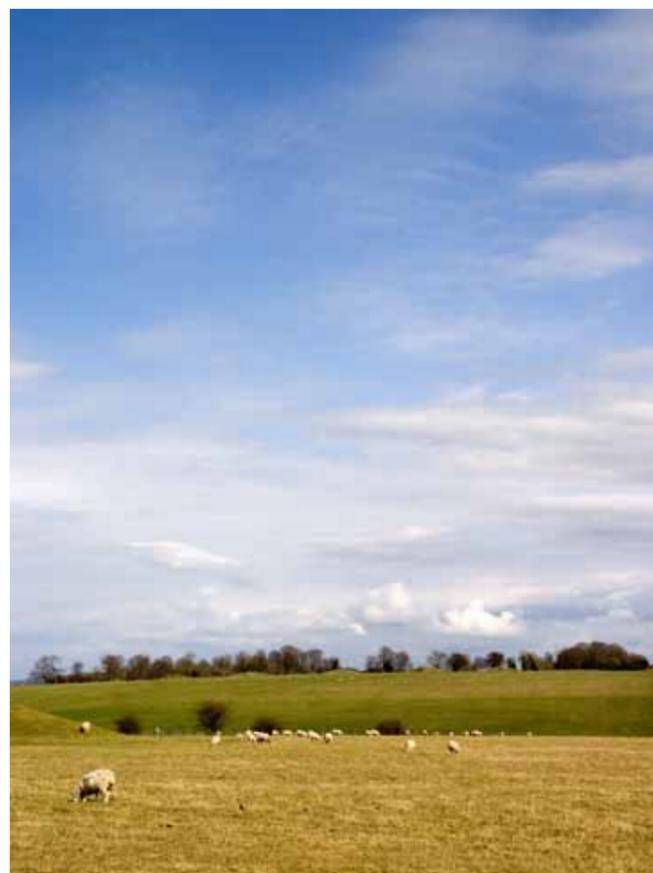
- Risk assessment and prevention
- Detection of sub-clinical signs
- Treatment of disease and avoiding complications taking in account the welfare of the animal
- Slaughtering animals not responding to treatment or that may pose risks to other animals.

For Vetmedica, this strategy meets the expectations of breeders but also of the consumers in order to take better account of the welfare of the animals.

Pfizer Genetics and the Association of American Breeders of Angus Cattle, Trademark owner Certified Angus Beef[®], have developed a genetics test called GeneMax allowing breeders of angus cows to evaluate the marbling and gain post-weaning animals.

For \$ 17 the test (analysis of the blood of the animal), farmers will receive three values per animal: a score (on a scale of 1 to 100) that combines gain post-weaning and marbling growth; and a score (on a scale of 1 to 5) for each character. To read the presentation of GeneMax: www.cabpartners.com/genemax

The American Angus Association (AAA), creator of the brand CAB committed itself 5 years ago in the use of genomics to Improve livestock American Angus. The AAA created in 2007 "Angus Genetics Inc." or AGI, a subsidiary dedicated to the use of test to assess the genetic traits of economic importance but also parenthood verification and detection of genetic disease. AGI has been working with Pfizer Genetics (HD50K test) and IGENITY, the subsidiary for genetic analysis of Meril.



The company TOPIGS will introduce in Holland and Germany its concept "NADOR" in order to select boars (piétrains lines) with a decrease of 40% of boar taint on subsequent generations without castration. To implement this selection, which will prevent the castration of piglets, Topigs identified some breeders (after having tested over 27,000 samples of fat from non-castrated males, by a panel of testers to evaluate the smell after cooking and combine this data with information on the genetic heritage of animals) and having set up a traceability system that guarantees transformers using selected non-castrated males selected.

Topigs, has been working on the selection of lines "boar taint" for several years now and has developed an index "boar taint" for its selection and a DNA chip called "Andro Chip" for genomic selection.

The results of a study on the genetic correlation between evaluation the smell (nose score) and the chemical compounds responsible for odor boar's breeding program TOPIGS were published in January 2012. This study was conducted by Wageningen University (Animal Breeding and Genomics Centre) and the IPG, Institute for Pig Genetics (Netherlands)



Workshops

"New Dietary Recommendations INRA horses

Friday 2 March 2012 AgroParisTech Tisserand Amphitheatre (formerly INAPG)

16 rue Claude Bernard - 75005 PARIS

INRA published its new recommendations in the field of horse feed.

The AFZ and AFTAA associate with INRA, in partnership with the IFCE, AVEF and IDELE are organizing a training day which is aimed at nutritionists, feed

formulators, veterinarians, livestock technicians and specialists in the development of equine products. The workshop, managed by INRA researchers, agronomic teachers, professionals in the animal feed and Equine sector, will address the

changes in nutritional systems, prediction of the value of food intake of food for horses. New aspects will be discussed concerning the welfare of horses during various periods of breeding and utilisations, together with the role of horses in the environment on plant biodiversity and waste.

Association Française de Zootechnie gives the PhD 2011 prize

For 5 years now, the thesis prize of the French Association for Animal rewards a thesis during the year on a topic regarding Animal Sciences.

The evaluation committee noted the high quality of the cases received; the committee particularly appreciated the work in the field of animal genetics. It was also noted with interest the proposals coming from neighbouring countries. Like last year, the disciplinary areas of Animal Science and the species studied were very different. The offers concerned nutrition (9), genetics (5), pathology (4), breeding systems (3), welfare (2), physiology and reproduction (2).

After deliberation it was decided to award the PhD AFZ 2011 prize to Sophie ALLAIS for her work entitled "Detection and validation of genetic markers involved in beef quality" presented on the 04/03/2011. This work was carried out at INRA Jouy-en-Josas in partnership with the National Union of Breeding and Animal Insemination Agricultural Cooperatives (UNCEIA). Sophie ALLAIS will therefore receive the sum of € 1,000 to attend the next congress of the European Federation of Animal Production (EAAP) in Bratislava (Slovakia) on 27-31 August 2012.

IDF / INRA International Symposium on Spray Dried Dairy Products

The 2012 International Symposium on Spray Dried Dairy Products is organized by INRA, the French National Institute for Agricultural Research - as the research institution, in collaboration with IDF, the International Dairy Federation - as the international dairy industry platform. For more information on how to submit your abstract, please check the abstract submission guidelines. The Symposium's website is now available at <http://colloque.inra.fr/sddp2012>.



64TH EAAP ANNUAL MEETING – NANTES, FRANCE 2013

I am pleased to inform you that the French National Scientific Committee for the organization of the Annual meeting of the EAAP in Nantes (France) in 2013 has been established. There will be two persons as coordinators for each of the nine scientific commissions. For general matters about this Committee the contact person is the past Vice President of EAAP, Michel Bonneau, who is one of the executive secretary of the Committee.

EAAP 2013: French National Scientific Committee

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Scientific sessions that are impossible to miss at Bratislava annual event!

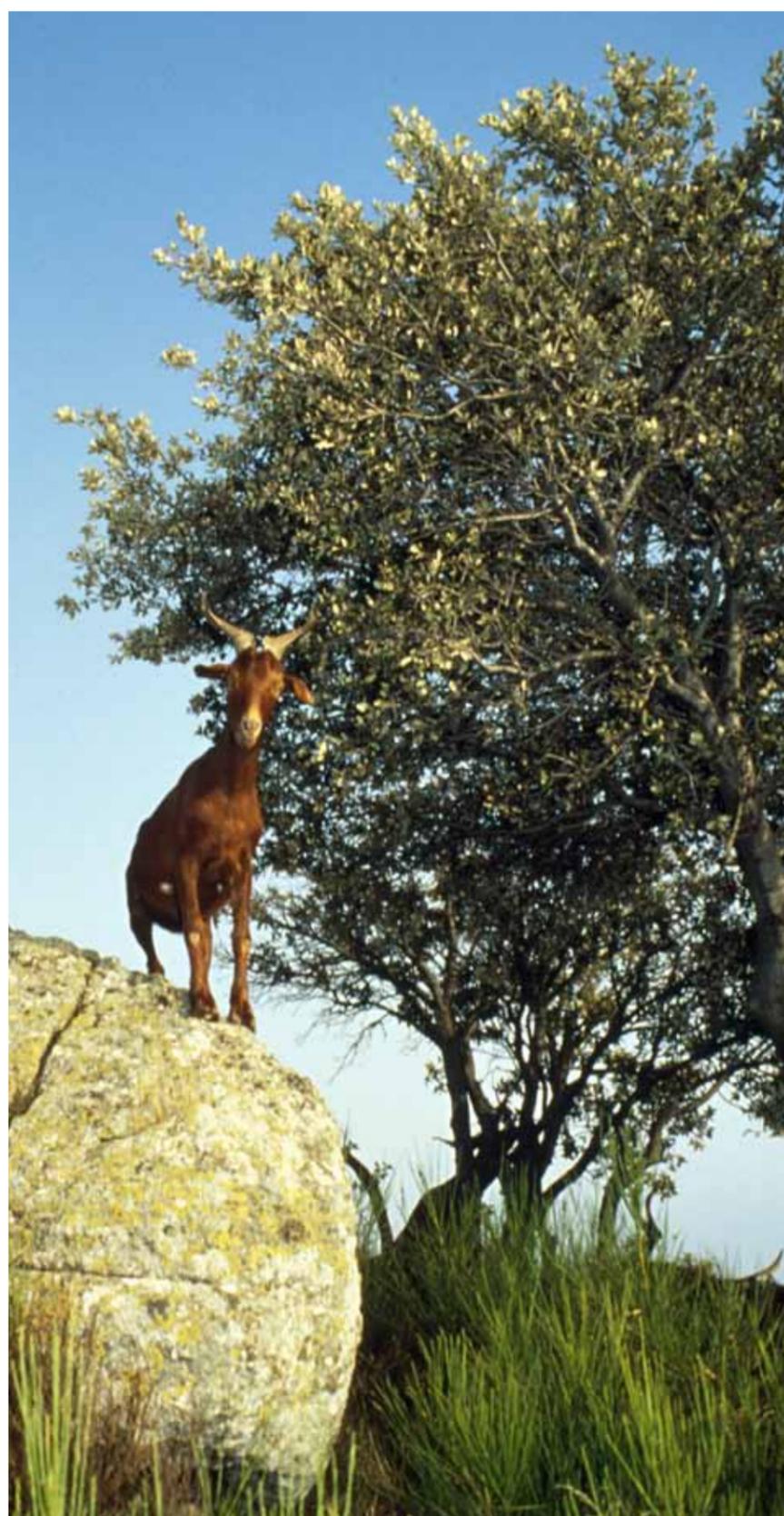
We know very well that all sessions at Bratislava are important and, as animal scientists, impossible to miss. Still from now until the time of the meeting in August, the EAAP newsletter will draw your attention to some session, being sure that you will find that most of them will catch your attention. We are also waiting for your relative abstracts submissions.

Among the sessions proposed by the Livestock Farming System commission we would love to draw your attention to the following sessions:

- Labour issues in livestock farming systems (workload, gender, lifestyle, satisfaction, part-time agriculture, immigration) Monday 27 August 08.30 - 12.30
- Modelling complexity in LFS to address trade-offs and synergies for efficiency Tuesday 28 August 14.00 - 18.00
- Livestock farming systems in emerging and developing countries: trends, roles and goals Wednesday 29 August 08.30 - 11.30
- Livestock and climate change: options for mitigation and adaptation Thursday 30 August 08.30 - 18.00
 - New systems design and technologies to mitigate emissions
 - Adaptation of livestock farming systems to climate change and Uncertainty

The Genetic commission proposed the following sessions to draw your attention to:

- "Closing the phenomic gap - Methods, data collection and experiments to select for new traits" Monday 27 August 14.00 - 17.30
While genomic tools open new opportunities to intensify selection, widespread and accurate phenotyping remains the basis for successful breeding. In this session, the focus of this session will be especially on the phenotyping challenges in the context of novel selection goals.
- "Analysis of complex traits based on genome sequences and high density genotyping" Thursday 30 August 14.00 - 18.00
While high and very high-density genotyping nowadays is standard, whole genome sequencing is just one step ahead and probably will be the standard technology in the near future. Two invited speakers will report on their practical experience with large scale sequence data: *Ruedi Fries* from the Technical University of Munich will report first results obtained from 50 sequenced Simmental bulls, and *Augustine Kong* from deCODE genetics Inc. in Iceland will talk on "Haplotypes, mutations, rare variants and population structure" in the context of human genetics.



EAAP publication No. 131

Animal farming and environmental interactions in the Mediterranean region

Edited by: I. Casasus, J. Rogosic, A. Rosati, I. Stokovic, D. Gabina

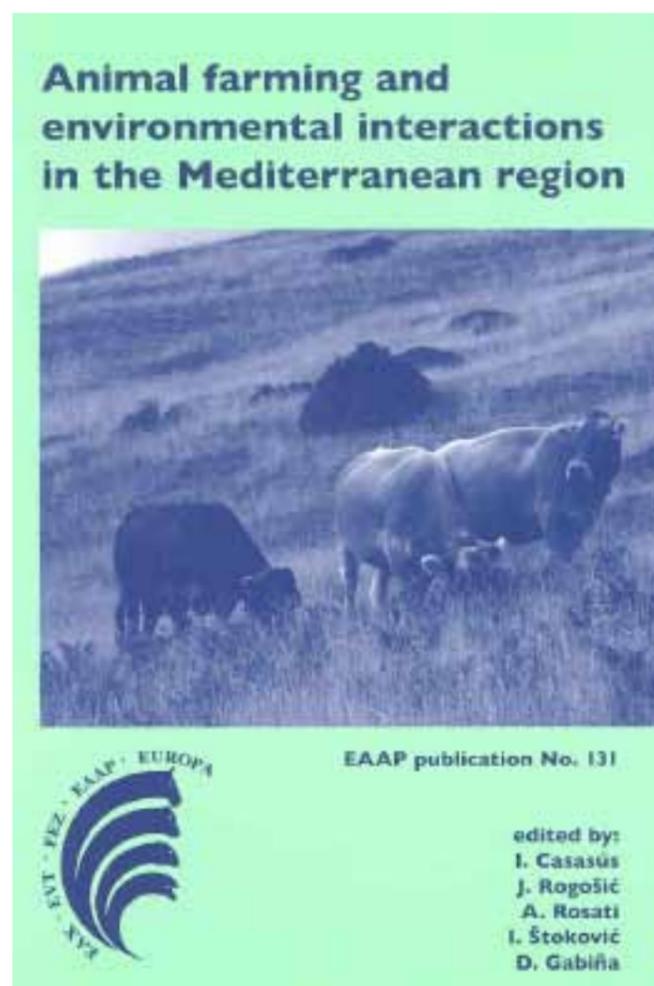
The last Symposium organised by the Mediterranean Contact Group of the EAAP was held in Zadar and this publication presents the papers of the four sessions in which the Symposium was arranged.

Livestock production systems are the result of an interaction between domestic animals and the environment, modulated by man, that dates back to Neolithic times. As a consequence of this interaction among the wide diversity of animal resources, natural habitats and population needs, very different farming systems have developed across the Mediterranean Basin.

Understanding the mechanisms and effects of these relationships is key to design the farming systems best adapted to each conditions, guaranteeing an adequate balance between target animal production and environmental outcomes provided by these systems. This is indeed a multidimensional topic, influenced by animal genetics, feeding resources, flock management, and economic and social aspects inside and outside the household.

Therefore, this book focuses on the basis of the animal environment interactions and the impact of human activities on the type and magnitude of these interactions. In this context, the issue of sustainability of livestock production is evaluated considering economic, social and environmental aspects.

This book contributes to upgrade the state of the art in Mediterranean conditions, providing indicators and procedures of application across a wide range of systems, and hence of interest for researchers, students and professionals concerned with livestock production and the environment.



UNIVERSITY "Ss. CYRIL AND METHODIUS" INSTITUTE OF ANIMAL SCIENCE SKOPJE - MACEDONIA
V INTERNATIONAL SYMPOSIUM OF LIVESTOCK PRODUCTION
SKOPJE, 5-7 SEPTEMBER, 2012

FIRST ANNOUNCEMENT

Institute of Animal Science organizes the 5th International Symposium of Livestock Production, which will be held in the period 5-7 September, 2012 in Skopje, Republic of Macedonia. The program of the Symposium will be focused on the most significant achievements in the field of livestock production, as well as on the exchange of knowledge and experience in the agricultural practice.



TOPICS OF THE SYMPOSIUM:

1. Genetics and Selection
2. Animal Nutrition
3. Food Safety and Quality
4. Ecology, Natural Resources and Environment
5. Fishery and Aquacultures
6. Economics in Animal Husbandry
7. Open topics

Deadline for submission of abstracts is 30.04.2012 and for complete papers is 31.07.2012. Along with abstract, authors should to send a Registration form. Notification of abstract acceptance you will receive at the latest to 31.05.2012. Working languages are Macedonian and English.

All papers will be subject of recension by the Scientific Committee. Book of abstracts will be published at the beginning of the Symposium. Only complete papers who will obtain a positive recension, will be published in the International Journal „Macedonian Journal of Animal Science“, which is to publish in printing and electronic form (www.mjas.ukim.edu.mk).

Registration fee which includes: symposium material, attendance of all sessions of the Symposium, publishing of paper in journal "Macedonian Journal of Animal Science" and tourist program (sightseeing of Skopje) is 100 EUR. Papers shall not be published without the payment of registration fee.

