

**EAAP**



**1997**

48<sup>th</sup> Annual Meeting of the European Association for Animal Production  
PROVISIONAL PROGRAMME



**Vienna  
Austria  
25<sup>th</sup> - 28<sup>th</sup> August 1997**

The Annual Meeting is held by:

**European Association for Animal Production (EAAP)**

President:	Prof. Alessandro NARDONE
Secretary General:	Dr. Nicolas FRYDLENDER
Address:	Via A. Torlonia, 15/A, I-00161 ROME, Italy
Phone:	+ 39-6-442 380 13 / 442 414 66
Telefax:	+ 39-6-442 414 66
Telex:	+62 20 03 AIA I
E-Mail:	zoorec@rmnet.it

In co-operation with

**The Austrian Organizing Committee of the EAAP 1997**

Federation of Austrian Cattle Breeders (ZAR)  
and  
The Federal Ministry of Agriculture and Forestry (BMLF)

**Honorary Committee**

Mag. Wilhelm MOLTERER	Minister for Agriculture and Forestry
Prof. Dr. Leopold MÁRZ	Rector of the University for Agriculture, Vienna
Prof. Dr. Josef LEIBETSEDER	Rector of the University for Veterinary Sciences, Vienna
Dr. Karl STIX	Governor of Burgenland
Dr. Christof ZERNATTO	Governor of Carinthia
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Dr. Josef PÜHRINGER	Governor of Upper Austria
Dr. Franz SCHAUSBERGER	Governor of Salzburg
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Dr. Wendelin WEINGARTNER	Governor of Tyrol
Dr. Martin PURTSCHER	Governor of Vorarlberg
Dr. Michael HÄUPL	Governor of Vienna

**Organizing Committee**

Abg.z.NR. ÖKR. Willibald SAUER	President of ZAR, Chairman
MR Dr. Norbert RATHEISER	BMLF, Department Head (Organization)
Dr. Ernst POTUCEK	Managing Director ZAR (Finances)
Mrs. Evelin BEER	Secretariat
Mrs. Maria WINDSTEIG	Secretariat
Dipl.-Ing. Josef WIESBÖCK	BMLF, Department for Animal Breeding
MR Dr. Otto HARTMANN	Municipality of Pressbaum, Lower Austria
Prof. Dr. Walter SCHLEGER	University for Veterinary Medicine
Prof. Dr. Gottfried BREM	University for Veterinary Medicine
Prof. Dr. Rudolf LEITGEB	University for Agriculture
Doz. Dr. Josef SÖLKNER	University for Agriculture
Dipl.-Ing. Johann MAYRHOFER	Director of Animal Breeding, Lower Austria
Dr. Josef GRUBER	Director of Animal Breeding, Upper Austria
Dr. Josef A. LEDERER	Director of Animal Breeding, Salzburg
Dr. Heribert ROHRBACHER	Director of Animal Breeding, Styria
OLWR Ing. Richard PICHLER	Association of Cattle Breeders, Waldviertel
OLWR Ing. Hans WETCHY	Association of Cattle Breeders, Lower Austria
Dr. Leopold ERASIMUS	Association of Horse Breeders, Lower Austria
Dipl.-Ing. Alexander LIEBSCHER	Association of Swine Breeders, Lower Austria
Dipl.-Ing. Adolf MARKSTEINER	Standing Committee of the Presidents of the Austrian Chambers of Agriculture

## General Information

### Date of the Conference

**August 25 - 28, 1997**

### Conference Venue

AUSTRIA CENTER VIENNA  
Am Hubertusdamm 6  
A - 1220 VIENNA

All plenary lectures, symposia, working groups and the general assembly will be held at the facilities provided by this modern conference site located on the north bank of the Danube.

### Organizing Committee

Organizing Committee EAAP 1997  
Federation of Austrian Cattle Breeders  
Universumstrasse 33/8  
A - 1200 Vienna  
Phone: +43-1-334 17 21  
Fax: +43-1-334 17 13

#### Facts about Austria:

Population:	Austria	7,800.000	inhabitants
Main cities:	Vienna	1,600.000	inhabitants
	Graz	238.000	inhabitants
	Linz	203.000	inhabitants
	Salzburg	144.000	inhabitants

Government:	Democratic Republic
Head of State:	Dr. Thomas Klestil, President
Head of Government:	Dr. Franz Vranitzky, Chancellor
Minister of Agriculture:	Mag. Wilhelm Molterer

### Vienna

The city of Vienna is not only the capital of Austria, it is also the country's smallest province. But it is a city with a very special atmosphere as well, a city where one feels the lasting effects of a long, glorious past. Vienna is still considered to be the intellectual center of a former multi-ethnic country and is an open-minded, multi-faceted city.

Vienna is located at an important cross-road of traffic and business in the heart of Europe and is one of today's major economic centers. The city is also renowned around the world for its excellence in music. Famous composers such as Strauss, Schubert, Mozart, Beethoven, Brahms, Haydn, Stolz and many more are among Vienna's great personalities. The city has also attracted brilliant figures from the fields of literature and science: Ferdinand Raimund, Arthur Schnitzler, Sigmund Freud and many others have chosen Vienna as their home.

It is impossible to list all of the city's attractions such as museums, churches, palaces, noble residences and the like. Nevertheless, a few of the most outstanding sights must be mentioned, such as the Imperial Palace (Hofburg), the national library, the Albertina, the Spanish Riding School, which houses the famous Lipizzaner horse shows, the Belvedere palace, the Schönbrunn



the Emperor's summer residence - and St. Stephen's Cathedral, dominating the skyline of the city center. The city's Ringstrasse is an elegant boulevard, where one finds many important institutions: the State Opera House, the Museum of Art History and Natural History, Parliament, the Burgtheater, the Rathaus (City Hall) and the University of Vienna. Vienna is the headquarters of many international organizations and an important meeting point of East and West.

### **Clothing and Weather**

At the end of August the weather in Vienna is usually mild and quite pleasant. During the day it is usually sunny and warm, while the evenings are somewhat cool this time of year.

### **Parking Facilities**

The Austria Center has adequate underground pay parking facilities.

### **Working Languages**

The working languages of the conference will be English, French and German. Simultaneous interpretation for these languages will be provided for the joint meetings and for the general assembly. Normal meetings of the commissions, working groups and symposia will not be interpreted.

### **Electricity**

Electricity is supplied at 230 V.

### **Currency**

All prices mentioned in this brochure are in Austrian Shillings (ATS). Shops and restaurants only accept Austrian Shillings. Credit cards can be used in most shops, department stores and restaurants.

### **Banking and Postal Facilities**

Banks are generally open from 09:00 to 12:30 and from 13:30 to 15:00 on weekdays and are closed on Saturdays and Sundays. Post offices are open from 08:00 to 18:00 on weekdays. Currency exchange is possible at banks, post offices banks, hotels, larger train stations and at the airport. The Austria Center Vienna has a post office (09:00 to 15:30) and a bank window (09:00 to 12:00) for currency exchange.

### **Insurance**

The event organizer accepts no liability for personal injury, loss or damage of property belonging to the conference participants. You are requested to arrange your own health and travel insurance.

### **Visa / Passports**

A valid passport is required for all visitors to Austria. Please contact the Austrian Embassy or Consulate in your country for details regarding any visa and entry requirements.

## Registration

The registration forms, hotel reservations and all correspondence concerning registration and accommodation payment should be sent to:

### Conference Secretariat

Before and after the Annual Meeting of the EAAP

#### NIEDERÖSTERREICHISCHES LANDESREISEBÜRO (NOL-TOURS)

EAAP 1997

Heidenschuss 2

A - 1010 VIENNA / Austria

Phone: +43-1-533-47 73 or 533-31 14

Fax: +43-1-535-0319

During the Annual Meeting the Secretariat will be:

AUSTRIA CENTER VIENNA

EAAP 1997

### Registration Form

Please fill out the forms carefully. All materials, including hotel and excursion requests, and the registrations fees, must be at the secretariat before May 31, 1997.

### Registration Fees

	Prior to May 31, 1997	After May 31, 1997
Participant	ATS 6.500,--	ATS 7.000,--
Accompanying Person	ATS 2.800,--	ATS 3.200,--

The registration fee includes:

	Participant	Accompanying Person
Admission to scientific sessions	yes	no
Admission to the exhibition and poster area	yes	yes
Abstract book	yes	no
Conference Bag and List of Participants	yes	no
Lunch (25 <sup>th</sup> , 26 <sup>th</sup> and 27 <sup>th</sup> August 1997)	yes	yes
Refreshments during Breaks	yes	yes
Opening Ceremony and Special Visit to the Spanish Riding School	yes	yes
Excursion with Animal Exhibition or Production Facility Tour	yes	yes
Evening in a Wine Tavern in Klosterneuburg	yes	yes
Gala Dinner	no	no
Program for Accompanying Persons	no	yes

### Registration

Please complete the enclosed registration form carefully and return it to the Conference Secretariat. The deadline for early registration is 31 May 1997. Upon receipt by the Conference Secretariat of this form and the appropriate Conference dues, delegates will be officially registered and a letter of confirmation will be sent to you. Please check this letter of confirmation carefully to see if all items you have requested and paid for have been mentioned. This letter of confirmation must be presented upon registration at the beginning of the conference. Final registration is valid only upon receipt of the dues and confirmation by the conference organizers.

### Cancellation

Notification of cancellation must be made in writing or by fax to the Conference Secretariat.

Cancellations **before July 1, 1997** a refund of **80%** will be made.

Cancellations **after July 1, 1997** no refund.

The refund will be made after the conference.

### Payment

Payment, including the participant's name, should be made in Austrian Shillings (ATS) to the following address:

SCHOELLER BANK, Vienna  
c/o NIEDERÖSTERREICHISCHES LANDESREISEBÜRO (NOL-Tours)  
EAAP 1997  
Account No: 613.616  
Bank Code: 19.200  
SWIFT Code: SCHO AT WW

Payment via credit card can only be accepted if the credit card number, card expiration date and valid cardholder signature are indicated on the registration form. A credit card processing fee of 100 ATS must be included for payments made with credit cards.

### Registration and Information during the Conference

Delegates are kindly requested to register at the Conference Secretariat in the AUSTRIA CENTER VIENNA at the beginning of the Conference.

Saturday,	23 <sup>rd</sup> August	10.00 - 18.00	Tuesday,	26 <sup>th</sup> August	08.00 - 13.00
Sunday,	24 <sup>th</sup> August	10.00 - 19.00	Wednesday,	27 <sup>th</sup> August	08.00 - 18.00
Monday,	25 <sup>th</sup> August	08.00 - 18.00			

### Badge

Admission to scientific sessions and other events is permitted only for those wearing the official conference badge. Extra tickets will be provided for some events.

## Travel to Vienna

### Arriving by Air

Vienna's closest international airport is Vienna-Schwechat, located 17 km south-east of the city. Bus transfer to the city center is available from the airport (Hilton-City Air Terminal). The Austria Center Vienna is easily accessible from there with the metro.

<b>Prices:</b>	<b>Bus</b>	Schwechat - City Air Terminal	<b>app. ATS</b>	70,-
	<b>Taxi</b>	Schwechat - City Air Terminal	<b>app. ATS</b>	350,-

### AUSTRIAN AIRLINES - Official Carrier

Austrian Airlines is „the official carrier“ for our conference. It offers the most connections to and from Austria.

Please contact your nearest Austrian Airlines office or travel agent where you will receive information on flights and tariffs.

As participant of the „48<sup>th</sup> Annual Meeting of the European Association for Animal Production 25<sup>th</sup> -28<sup>th</sup> August, 1997“ you will benefit from a favourable congress fare on Austrian Airlines flights.\*

Please identify yourself as participant by presenting your registration and referring to: CODE-EAAP97VIECONG. In case of ticket issue at a travel agency, the agent is asked to contact his Austrian Airlines office.

\* - excluding certain action - or promotional fares

### By Train

All international trains to Vienna arrive at the Westbahnhof or the Südbahnhof.

### By Automobile

Vienna is easy to reach by car, take the A1 from the west, A2 from the south or A4 from the east. The Austria Center Vienna is located next to the Donauuferautobahn (Danube Bank Freeway) A22 and has its own exit "Vienna International Center".

### Getting around in Vienna

Bus transportation from the hotels to the conference venue, as well as to the opening ceremony and gala dinner will not be provided. Each person will be given a 4-day city pass (Mon. - Thus.) allowing free use of the public transportation system.

The Austria Center Vienna is located on Metro Line U1 next to the Kaisermühlen / Vienna International Center station and can be reached from downtown in app. 10 minutes.

Buses for the accompanying persons program, the animal exhibition excursion and the post-conference excursions will depart directly from the Austria Center Vienna (except Tour III).



## Accommodation

The Conference Secretariat "Niederösterreichisches-Landesreisebüro (NOL-Tours)" has arranged hotel reservations for the conference participants.

Accommodation is divided into four categories. All of the hotels are located in the center of the city, along the metro line U1 and U4. Please note that number of available rooms in the Categories B, C and D is limited.

All rooms come with bathroom or shower and WC facilities.

Breakfast is included in the price, with the exception of the Hotel Sacher.

<b>Category A:</b>	First-class hotel (Hilton, Sacher)	
	Double Room:	ATS 1.800,- to 2.600,-
	Single Room:	ATS 1.600,- to 2.300,-
<b>Category B:</b>	Good, mid-range hotels, all rooms with bath and WC (e.g. Europa, Stefanie, Am Parkring, Mercure, Pannonia, Capricorno, Annanas, Scandic Crown, Royal)	
	Double Room:	ATS 1.700,- to 2.000,-
	Single Room:	ATS 1.300,- to 1.500,-
<b>Category C:</b>	Smaller hotels, all rooms with bath/shower and WC	
	Double Room:	ATS 1.200,- to 1.700,-
	Single Room:	ATS 900,- to 1.200,-
<b>Category D:</b>	All rooms with shower and WC	
	Double Room:	ATS 800,- to 900,-
	Single Room:	ATS 500,- to 600,-

With the exception of the deposit paid upon registration, participants should pay for the rooms directly at the hotels themselves.

## Conference Events

### Opening Ceremony

The opening ceremony will take place on Monday, the 25<sup>th</sup> of August at 19.30 at the Spanish Riding School. Following the ceremony there will be a special presentation of the world-famous Lipizzaner horses. The program for the rest of the evening is open.

### Excursions during the Conference

#### Tuesday, 26 August 1997

Departure at 13.30 for the Animal Exhibition in Zwettl or to a production facility in Lower Austria. All excursions will end with a visit to a wine tavern (with music) in Klosterneuburg, near Vienna. Before this, though, a visit to the monastery in Klosterneuburg and the "Thousand Bucket Barrel" is planned. Return to the hotels by bus at app. 22.30.

### Gala Dinner Program

The official dinner is planned for Wednesday the 27th, at 20.00 at the Palais Ferstel, Staudgasse 4, Vienna. Traditional Austrian cuisine will be served.

The price of ATS 900,- is not included in the registration fee.



## Programs and Excursions for Accompanying Persons

The event organizers welcome all accompanying persons to participate in the following events:

### Monday, 25 August 1997:

- 09.00 - 14.00** Departure from Austria Center for a city tour (Ringstraße, Staatsoper, Parliament, Burg Theater, Rathaus, and University) and a tour of the Schönbrunn Palace. Afterwards lunch and return to the Austria Center.
- 19.30** Opening ceremony and special performance of the Lipizzaners at the Spanish Riding School.

### Tuesday, 26 August 1997:

- 09.00 - 12.30** Meet in front of St. Stephen's Cathedral for a special tour of "Imperial Vienna and its Treasures". (St. Stephen's, Austrian National Library, Imperial Palace incl. the Imperial Silver and Tableware Collection). Afterwards lunch at the Austria Center.
- 13.30** Departure for animal exhibition excursion or production facility tour.
- 20.00** Visit to a "Heurigen" wine tavern with music in Klosterneuburg monastery near Vienna

### Wednesday, 27 August 1997:

- 09.00 - 17.00** Departure from Austria Center for a day-trip to the Wachau Valley, including a tour of the baroque monastery in Melk, St. Michael, a visit to the historical town of Dürnstein and a city tour of Krems, with lunch.
- 20.00** Gala dinner with traditional Austrian cuisine at the Palais Ferstel, Staudgasse 4, Vienna.

All accompanying persons will also receive a 4 day pass (Mon-Thu) for Vienna public transport.

## Excursions and Trips after the Conference

**Tour I:           Thurs. - Sat., 28 - 30 August 1997**  
**Styria - Salzburg - Upper Austria**

**Departure at 13.00 by bus from the Austria Center to the Ennstal (Styria) and tour of the Research Facility at Gumpenstein (cattle), accommodation in Irnding. Continuing on to the Pinzgau farm in Pongau, afterwards city tour of Salzburg's famous city center with an evening reception and accommodation. Visit to the International Agricultural Expo in Ried with a large exhibition of brindled cattle and breeding cattle.**  
**Return to Vienna on Saturday at app. 17.00.**

**Tour II:          Thurs. - Fri., 28 - 29 August 1997**  
**Styria**

**Departure at 14.00 by bus from the Austria Center to Styria for a visit to a brindled cattle breeding farm in Voralpe. Afterwards a short tour of the monastery in Voralpe. Continuing on to the provincial capital of Graz, tour of the old town, dinner and accommodation.**  
**Departure to the National Stud Farm Piber with a presentation of Lipizzaners and a tour of the Lipizzaner museum. Continuing through Gabeln for a tour of cattle breeding farm in Murtal. Afterwards return to Vienna, arriving Friday at app. 17.00.**

**Tour III:        Fri., 29 August 1997**  
**Burgenland**

**Departure at 09.00 by bus from the Hotel Hilton-City Air Terminal (Stadtpark), travel to Eisenstadt, tour of the Haydn Church and Esterhazy Palace. Continuing to Rust am Neusiedlersee incl. a walk around town, lunch and a lake tour by boat.**  
**Return to Vienna app. 17.00, drop-off at Vienna International Airport (Schwechat) possible.**

## Scholarship Fund

### INSTRUCTIONS FOR APPLICANTS

All Member Organizations have the right to propose young scientists - max. 30 years of age - as candidates for the Annual EAAP Conference. Individuals who have already obtained a scholarship in the past may not re-apply for a period of three years. A maximum of two scholarships per country can be granted.

The candidate should inform the relevant Member Organization of his/her application as soon as possible after circulation of the **provisional program** of the Study Commissions.

#### **Before the 1<sup>st</sup> of February 1997:**

For each applicant, the EAAP Secretariat in Rome should receive from the **Member Organization a letter announcing and supporting the candidacy** of the applicant, along with:

- Name, address, fax and phone number, date of birth, official title or function, short description of the scientific work and main publications of the applicant.
- Name and address of the employing institution.
- This formal request should be accompanied by:
- Five copies of the full text of the paper which the applicant intends to present to the Study Commissions. The topic of the paper should, of course, be relevant to the Agenda of the Conference. The copies should be drafted in one of the Association's working languages (English, German or French) and not exceed five pages (including tables and references).
- A copy of the original abstract form, properly completed in accordance with instructions.
- The estimated round-trip travel costs (flight APEX / student - economy class or 2<sup>nd</sup> class rail ticket) to and from the Conference venue.
- Bank references of the applicant.

#### **Before the 15<sup>th</sup> of February 1997 (deadline):**

The applicant must send the original abstract form and **two copies** of the intended paper **directly to the publisher**.

The original abstract must be "camera ready". It will be printed as it is by the publisher in the Abstract Book. Consequently, it must be typed in accordance with the authors' instructions listed on the back of the original pre-printed forms available from the EAAP Rome Secretariat, the publisher or the Organizing Committee.

#### **By the 15<sup>th</sup> of April 1997:**

The EAAP Rome Secretariat will inform the applicant as to the result of the examination of candidacy by the **Board of Examiners**.

At the same time, the applicants will be notified of the amount, conditions and uses of the scholarship (amount depends on the funds available).

#### **By the end of July 1997:**

Subject to the same conditions as all other authors of abstracts, the selected candidates will be informed by the responsible Commission President regarding the modalities of presentation.



## Papers

In 1994 the system for submitting papers was simplified, in order to prepare for the publication of a new EAAP series "Abstract Books of the Annual Meetings".

All authors wishing to present papers in Vienna in 1997 in the framework of the EAAP Study Commissions are requested to submit the title and abstract of their presentation on the pre-printed form; this can be found in the provisional program which will be distributed at the beginning of 1997. It is also available from the EAAP Rome Secretariat, the Austrian Organizing Committee or from the publisher (Wageningen Pers, P.O. Box 42, NL - 6700 AA Wageningen, The Netherlands).

The original abstract, plus two copies, must be sent to the publisher by all authors and the scholarship applicants **before the 1<sup>st</sup> of March 1997**.

### Guidelines for the Preparation of Abstracts

Abstracts are required in one of EAAP's three working languages (English, German or French), as the author chooses.

The abstract should be as informative as possible and should contain the specific objectives, experimental methods and statistical analyses employed, together with a synthesis of the results and conclusions.

The title and the abstract must not exceed the space provided in the box on the front of the preprinted form, which allows for app. 230 words. Please note once again that **the abstracts will be printed exactly as they are submitted**. Hence, the **guidelines** on the back of the form **must be complied with**.

Authors who submit abstracts but fail to register for the Conference by May 31, 1997 run the risk of having their abstracts withdrawn from the book.

### Length of the Papers

Invited papers should normally not exceed 8 pages, contributed papers should be no longer than 5 pages, summaries should be no longer than 1 page, including tables, diagrams and references.

The guidelines for authors are included in the provisional program and are available from the offices listed in paragraph one.

### Provision of full papers

Authors should bring 150 copies of papers (for normal meetings) to be given to the responsible Commission Secretariats (deposit after registration in the preparation rooms) and 250 copies (for general meetings) of papers for distribution in front of the lecture hall.

### Data Bank

The EAAP Rome Secretariat intends to establish a central data bank of all papers presented at EAAP-sponsored events. The texts will be available by e-mail.

All authors who wish to participate in this initiative should provide a copy of their work on diskette to the EAAP Rome Secretariat. **Only texts written according to the "Guidelines for Authors"** will be included in the data bank (in order of their reference number listing in the Abstract Book).

## Satellite Symposium I

### Beef Production and Special Aspects of Beef Quality

Saturday, 23 August 1997, 10.00 - 18.00

This symposium is taking place within the framework of the 48<sup>th</sup> Annual Meeting of the EAAP and is being organized by the Organizing Committee in co-operation with University for Agriculture, Vienna - Institute for Animal Production.

**Venue:** AUSTRIA CENTER VIENNA, Am Hubertusdamm 6, A - 1220 Vienna

**Fees:** ATS 500,-- (includes lunch)

**Topics:**

- Beef Production with Pure and Cross-breed Animals
- Hormonal Aspects for Increased Muscle Growth
- Energetic Changes of the Carcass at Different Final Live Weights
- Beef Production under Sustainable Conditions
- The Influence of Castration on Live Weight - Gain and Muscle Fiber Development
- Factors influencing Beef Quality

**For further information regarding papers and poster:**

Ass.Prof. Dr. Rudolf LEITGEB  
Institute for Animal Production  
University for Agriculture  
Gregor Mendel Strasse 33  
A - 1180 Vienna, Austria

Phone: +43-1-476 54 32 84  
Fax: +43-1-310 51 75

## Satellite Symposium II

### Innovative Reproduction Techniques in Animal Production

**Sunday, 24 August 1997, 13.00 - 18.00**

This symposium is taking place within the framework of the 48<sup>th</sup> Annual Meeting of the EAAP and is being organized by the Organizing Committee in co-operation with University for Veterinary Sciences, Vienna - Institute for Animal Breeding and Genetics.

**Venue:** Austria Center Vienna, Am Hubertusdamm 6, A - 1220 Vienna

**Fees:** ATS 300,--

#### Topics

- Follicle Punction and in vitro production of bovine embryos
- Development and testing of embryonic stem cells in livestock
- Embryo cloning in livestock applications
- Sperm separation and embryo sexing
- Use of ultrasonics in the reproduction of livestock
- Endoscopic procedure of embryo transfer in agricultural livestock

#### For further information regarding papers:

Univ.Prof. Dr. Gottfried BREM  
Institute for Animal Breeding and Genetics  
University for Veterinary Sciences, Vienna  
Joseph Baumanngasse 1  
A - 1210 Vienna, Austria

Phone +43-1-250 77-56 00  
Fax: +43-1-250 77-56 90  
+43-1-250 77-56 92



PROVISIONAL PROGRAMME

**PROVISIONAL SCIENTIFIC PROGRAMME  
(VIENNA, 1997)**

Study Commission	Topic	Chairperson	Time 20 August 1.30 - 12.00 Session III
<b>Genetics (G)</b> <i>Chairperson:</i>	Free communications H. Bovenhuis (NL)	(G* + C + S) Breeding strategies for small populations E. Verrier (F)	Fitness and longevity in animal breeding J. Sölkner (A)
<b>Animal Nutrition (N)</b> <i>Chairperson:</i>	(N + M + C* + S) Sustainable livestock production systems C. Thomas (UK)/A. Gibon (F)	(N + Ph*) Nutritional and physiological control of carcass and meat quality Y. Geay (F)	(N* + M + P + Ph) Mode of action of feed additives and their physiological basis in relation to animal welfare, health and the quality of animal products P. J. Buttery (UK)
<b>Animal Management and Health (M)</b> <i>Chairperson:</i>	(M + N + C* + S) Sustainable livestock production systems C. Thomas (UK)/A. Gibon (F)	Human health aspects of swine production P. Colin (F)	(M + N* + P + Ph) Feed additives P. J. Buttery (UK)
<b>Cattle Production (C)</b> <i>Chairperson:</i>	(C* + N + M + S) Sustainable livestock production systems C. Thomas (UK)/A. Gibon (F)	(C + G* + S) Breeding strategies for small populations E. Verrier (F)	Free communications K. Sejrsen (DK)
<b>Sheep and Goat Production (S)</b> <i>Chairperson:</i>	(S + N + M + C*) Sustainable livestock production systems C. Thomas (UK)/A. Gibon (F)	(S + G* + C) Breeding strategies for small populations E. Verrier (F)	Free communications D. Croston (UK)
<b>Pig Production (P)</b> <i>Chairperson:</i>	Factors affecting cost prices in pig production A. Dijkhuizen (NL)	Nitrogen and phosphorus nutrition of the pig. Productivity and env. aspects J.A. Fernández (DK)	(P + N* + M + Ph) Feed additives P. J. Buttery (UK)
<b>Horse Production (H)</b> <i>Chairperson:</i>	Physiology of exercise A. Lindner (D)	Breeding plans J. Philipsson (S)	Horse breeding in Austria H. Polhammer (A)
<b>Animal Physiology (Ph)</b> <i>Chairperson:</i>	(Ph* + H) Physiology of exercise A. Lindner (D)	(Ph* + N) Nutritional and physiological control of carcass and meat quality Y. Geay (F)	(Ph + N* + M + P) Feed additives P. J. Buttery (UK)

48<sup>th</sup> ANNUAL MEETING OF THE E.A.A.P.

Subject Chairperson	Chairperson	Chairperson	Chairperson
<b>Genetics (G)</b> Chairperson:	(G* + P + Ph) Physiological aspects of genetic changes A. Blasco (E)	Business meeting/ Free communications L. Dempfle(GAM)/H. Swalve(D)	Ideas box / Free communications G. Christensen (DK)
<b>Animal Nutrition (N)</b> Chairperson:	Interactions between disease, intake and nutrition in farm livestock  I. Kyriazakis (UK)	Free communications and Business meeting  T. Zebrowska (PL) Y. Van der Honing (NL)	Progress in management of feed information and establishment of feed information centres  N. Benedictus (NL)
<b>Animal Management and Health (M)</b> Chairperson:	(M* + C) Mastitis control programmes Y. H. Schukken (NL)	The periparturient sow  G. Bilkei (CH)	Business meeting  F. Madec (F)
<b>Cattle Production (C)</b> Chairperson:	(M* + C) Mastitis control programmes Y. H. Schukken (NL)	Milk recording - New developments E. Kalm (D)	Business meeting  C. Thomas (UK)
<b>Sheep and Goat Production (S)</b> Chairperson:	Welfare aspects of sheep husbandry A. H. Visscher (NL)	AI in small ruminants - , developments and practical applications J. Folch (E)	Business meeting 1. Main Paper 2. Business Meeting D. Croston (UK)
<b>Pig Production (P)</b> Chairperson:	(G* + P + Ph) Physiological aspects of genetic changes A. Blasco (E)	Free communications J. A. Fernández (DK)	Business meeting  J. A. Fernández (DK)
<b>Horse Production (H)</b> Chairperson:	Educational aspects in horse production F. Habe (SLO)	Free communications I. Bodó (H)	Business meeting  E. W. Bruns (D)
<b>Animal Physiology (Ph)</b> Chairperson:	(Ph + G* + P) Physiological aspects of genetic changes A. Blasco (E)	-----  -----	Business meeting  M. Bonneau (F)

\* = Commission responsible for the organization of the joint session

PROVISIONAL PROGRAMME

48th ANNUAL MEETING -Vienna, Austria, 25 - 28 August 1997

Provisional Schedule

Saturday, 23 August

10:00 - 18:00	Registration
10:00 - 18:00	Meetings of the Council and various Working Groups
10:00 - 18:00	Symposium I - Beef Production - Beef Quality

Sunday, 24 August

10:00 - 19:00	Registration
10:00 - 13:00	Meeting of the Council with Presidents and Secretaries of Study Commissions - Wrap-up 1997
14:00 - 16:00	1 <sup>st</sup> Preparatory Meeting for the 1998 and 1999 Conferences
13:00 - 18:00	Symposium II - Reproduction Techniques in Animal Production

Monday, 25 August

08:00 - 18:00	Registration
09:00 - 12:30	Session I
14:00 - 17:30	Session II
19:30	Opening Ceremony at the Spanish Riding School
20:00	Special Performance at the Spanish Riding School

Tuesday, 26 August

08:00 - 13:00	Registration
08:30 - 12:00	Session III
13:30	Excursion: Animal Exhibition in Zwettl, Lower Austria
20:00	„Heurigen“ Wine Tavern with music in Klosterneuburg, near Vienna

Wednesday, 27 August

08:00 - 18:00	Registration
08:30 - 12:00	Session IV
14:00 - 17:30	Session V
20:00	Dinner in the Palais Ferstel, Staudgasse

Thursday, 28 August

08:00 - 10:00	Session VI (Business Meeting)
10:30 - 12:30	General Assembly
14:00 - 16:00	2nd Preparatory Meeting for the 1998 and 1999 Meetings
14:00	Start of the INTERBULL - Conference at the University of Veterinary Sciences, Vienna
13:00	Departure for Tour I (Styria, Salzburg, Upper Austria)
14:00	Departure for Tour II (Styria)

Friday, 29 August

9:00 - 17:00	Continuation of the INTERBULL Conference at the University of Veterinary Sciences, Vienna
08:00	Continuation of the Post-Conference Tours: Tour I and Tour II
09:00	Departure for Tour III (Burgenland)
17:00	End of Tours II and III in Vienna

Saturday, 30 August

08:00	Continuation of Tour I
17:00	End of Tour I in Vienna