International Conference on
RESPONSIBLE USE OF ANTIBIOTICS IN ANIMALS

An exchange of views on the path forward

14-16 NOVEMBER 2011

Hotel Zuiderduin
Egmond aan Zee, the Netherlands

EARLY BIRD REGISTRATION ENDS 15 SEPTEMBER 2011
WELCOME

International Conference on Responsible Use of Antibiotics in Animals

It is with great pleasure that we announce the upcoming International Conference on Responsible Use of Antibiotics in Animals, to be held in the Netherlands, on 14-16 November 2011.

Antibiotics are used worldwide both in veterinary and human medicine. The widespread use has heightened concerns about the emergence of antimicrobial resistance, which impacts animal welfare, public health, food safety and environmental exposure. For example, the frequent occurrence of MRSA, the rapid increase of ESBLs and the recent outbreaks of EHEC have become a serious public health problem.

In recent years there has been a lot of debate about the use of antibiotics in animals. There has been much pressure to proscribe their non-therapeutic use and to remove antimicrobial growth promoters from the market. The European Union has already banned the feeding of antibiotics for growth promotion purposes. Restricting the range of antibiotics used in animals to those not regarded as important in human medicine or even prohibiting antibiotic use in animals has also been advocated as a means to reduce the spread of antimicrobial resistance.

To reduce the overall use of antibiotics in animals prudent antibiotics use is becoming increasingly promoted. Many national and international organisations, associations and federations associated with animal, human and public health have begun to develop guidelines, principles and other activities on responsible use of antibiotics. But what lies ahead?

An exchange of views on the path forward

The objectives of the International Conference on Responsible Use of Antibiotics in Animals are:

- to give an overview of the current status and ongoing activities with respect to the issue of antibiotic use in animals and antimicrobial resistance;
- to learn about the expectations of different parties involved;
- to identify the areas which need further action with respect to the current scientific knowledge and political expectations; and
- to identify possibilities for effective actions, including effective co-ordination of activities.

The conference is designed for the animal health industry and the medical community; all users of antibiotics in animals, such as veterinarians, animal feed producers, livestock and aquaculture producers, and nutritionists; food processors and manufacturers, and retailers; policy makers and regulatory agencies; researchers in universities and research institutes; and others with an interest in resistance and in the sustainability of antibiotics, such as educators, agricultural extension staff, consultants, and consumer organizations.

The Advisory Board of the International Conference on Responsible Use of Antibiotics in Animals looks forward to meeting you at Egmond aan Zee, the Netherlands, and assures that your participation will be fruitful and productive!
MONDAY 14 NOVEMBER 2011

13.00  Opening of the conference

PLENARY KEYNOTE LECTURES

Setting the scene

Chair: Dr. Stephen Page
Advanced Veterinary Therapeutics, Australia

13.15  Setting the scene – a US perspective
Dr. Christine Hoang, Assistant Director, Scientific Activities Division, American Veterinary Medical Association, USA

13.45  Setting the scene – a European perspective
Dr. Karolina Törneke, Medical Products Agency, Sweden; Chair of Scientific Advisory Group for Antimicrobials, European Medicines Agency

14.15  The future of antibiotics in animals – evolution or revolution?
Peter Allen, Chairman, RUMA Alliance, UK

14.45  Networking break

PLENARY MEETING

Development of legislation and regulatory policies: Tour du Monde

Chair: Dr. Thomas R. Shryock
Elanco Animal Health, USA

15.15  Development of regulatory policies in Europe
Prof.dr. Steve Dean, retired Chief Executive, Veterinary Medicines Directorate, UK

15.40  The evolution of statute and regulations governing the use of antibiotics in animals – how you can make a difference
Dr. Nancy E. Halpern, Attorney at Law – Associate, Intellectual Property Department, Fox Rothschild LLP, USA

16.05  New perspectives on the use of antibiotics in animals in Latin America
Dr. José Luis Rojas Martínez, National Laboratory of Veterinary Services, Ministry of Agriculture and Livestock, Costa Rica

16.30  Legislation and regulatory policies on the use of antibiotics in animals and fish in Africa
Prof.dr. George W. Nasinyama, Deputy Director Research, Department of Veterinary Public Health and Preventive Medicine, Makerere University, Uganda

16.55  Antimicrobial use and resistance in animals in Asia
Prof.dr. Yong Ho Park, College of Veterinary Medicine, Seoul National University, Korea

17.20  Regulation of veterinary antibiotics in Australia
Dr. John Owusu, Veterinary Medicines Program, Australian Pesticides and Veterinary Medicines Authority, Australia

17.45 - 19.30  The Lounge Party
TUESDAY 15 NOVEMBER 2011

PARALLEL SESSION 1:
The focus on veterinary medical practice

Chair: Peter J.G. Oostenbach, M.Sc.
MSD Animal Health, the Netherlands

08.30 Focus on veterinary medicine: uncertainties and demands
Prof.dr. Johanna Fink-Gremmels, Division Veterinary Pharmacology, Pharmacy and Toxicology, Utrecht University, the Netherlands

08.55 US perspectives on veterinarian oversight of antibiotics
Dr. Richard Carnevale, Vice President, Regulatory, Scientific and International Affairs, Animal Health Institute, USA

09.20 Consequences of generic marketing on antibiotic consumption and the spread of resistance: facts and hypotheses
Prof.dr. Pierre-Louis Toutain, Laboratory of Experimental Pathophysiology and Toxicology, National Veterinary School of Toulouse, France

09.45 Veterinary medicine use according to data sheet – exception rather than the norm?
Dr. Matt Dobbs, Director, Westpoint Veterinary Group, UK

10.15 Networking break

10.45 Demonstration of efficacy for antimicrobials now and in the future
Dr. Gesine Hahn, Department Veterinary Drugs, Federal Office of Consumer Protection and Food Safety, Germany

11.10 Formularies and other risk management strategies promoting responsible use
Dr. Annette Cleveland Nielsen, Danish Veterinary and Food Administration, Ministry of Food, Agriculture and Fisheries, Denmark

11.35 Advertising and promotion in the context of prudent and responsible use of antimicrobials
Anne Chevance, French Agency for Veterinary Medicinal Products / French Agency for Food, Environmental and Occupational Health & Safety, France

12.00 The veterinary contribution to the responsible use of antimicrobials: decoupling veterinary prescription and dispensing?
Prof.dr. Ludo J. Hellebrekers, Chair, Royal Dutch Veterinary Society and Faculty of Veterinary Medicine, Utrecht University, the Netherlands

12.30 - 13.30
Networking break
Poster viewing
TUESDAY 15 NOVEMBER 2011

PARALLEL SESSION 2:
The focus on feed industry practice

Chair: Prof.dr. Palermo Neto  
University of Sao Paulo, Brazil

08.30 Antimicrobial agent delivery to animals in the feed: responsible or irresponsible?  
Dr. Stephen Page, Director, Advanced Veterinary Therapeutics, Australia

08.55 Manufacturing and use of medicated feeds: feed industry issues  
Dr. Fabrice Putier, Director, Tecaliman, France

09.20 Are antibiotic residues a concern in distiller's co-products?  
Prof.dr. Gerald D. Shurson, Department of Animal Science, University of Minnesota, USA

09.45 Antibiotics in aquaculture: practice, needs and issues  
Prof.dr. Peter R. Smith, Department of Microbiology, National University of Ireland, Galway, Ireland

10.15 Networking break

10.45 Key management options in animal nutrition for food producing animals  
Alexander Döring, Secretary General, European Feed Manufacturers’ Federation, Belgium

11.10 Antibiotic use in animals and its relationship with resistance: the Chinese situation  
Prof.dr. Zhangliu Chen, College of Veterinary Medicine, South China Agricultural University, China

11.35 Putting the vet in the Veterinary Feed Directive  
Dr. Elizabeth Wagstrom, Chief Veterinarian, National Pork Producers Council, USA

12.00 Antibiotic use in the UK poultry industry – past, present and future?  
Dr. Stephen Lister, Partner, Crowshall Veterinary Services, UK

12.30 - 13.30  
Networking break  
Poster viewing
TUESDAY 15 NOVEMBER 2011

PARALLEL SESSION 3
The role of monitoring antibiotic use and resistance

Chair:  Prof.dr. Peter Silley  
MB Consult Limited and University of Bradford, UK

13.30 DANMAP - integrated surveillance of antimicrobial consumption and resistance  
Dr. Yvonne Agersø, Department of Microbiology and Risk Assessment, DTU Food, Technical University of Denmark, Denmark

13.55 Antibiotic use data: the long way from numbers to knowledge  
Nico Bondt, Market & Chains, LEI, Part of Wageningen UR, the Netherlands

14.20 Opening and closing the links: antimicrobial use and resistance  
Dr. Paula J.F. Cray, Bacterial Epidemiology and Antimicrobial Resistance Research Unit, Agricultural Research Service, U.S. Department of Agriculture, USA

14.45 Containment of antimicrobial resistance in India  
Prof.dr. Rishendra Verma, Head & Government of India Analyst, Division of Biological Standardization, Indian Veterinary Research Institute, India

15.15 Networking break

15.45 Antimicrobial resistance in companion animals and horses  
Dr. Gina Pinchbeck, Department of Animal and Population Health, School of Veterinary Science, University of Liverpool, UK

16.10 Challenges in harmonising resistance monitoring programmes in veterinary medicine  
Prof.dr. Peter Silley, MB Consult Limited and Department of Biomedical Sciences, University of Bradford, UK

16.30 Discussion / Q&A

17.00 - 18.00  
Poster viewing
TUESDAY 15 NOVEMBER 2011

PARALLEL SESSION 4
Future research, specific approaches

Chair: Dr. Christine Hoang  
American Veterinary Medical Association, USA

13.30 Why anti-inflammatory compounds are the solution!  
Prof.dr. Theo Niewold, Department of Biosystems, K.U. Leuven, Belgium

13.55 EU regulation of feed & feed additives - strategic opportunities for alternatives to antibiotics  
Dr. Elinor McCartney, Director, Pen & Tec Consulting, Spain

14.20 Antibiotic alternatives: vaccine, probiotic and functional metagenomic approaches  
Dr. Heather Allen, Food Safety and Enteric Pathogens Research Unit, Agricultural Research Service, U.S. Department of Agriculture, USA

14.45 Improving animal hygiene and housing conditions and measuring its effect on the use of antibiotics  
Prof.dr. Thomas Blaha, Field Station for Epidemiology, University of Veterinary Medicine Hannover, Germany

15.15 Networking break

15.45 Veterinary education and antibiotics  
Dr. Virginia Fajt, Department of Veterinary Physiology and Pharmacology, College of Veterinary Medicine, Texas A&M University, USA

16.10 Innovation in regulatory agencies to keep pace with innovative technology  
Dr. Thomas W. Campi, Elanco Animal Health, USA

16.35 Quick and accurate diagnostic tests to find definitive diagnosis before initiation of treatment  
speaker to be confirmed

17.00 - 18.00  
Poster viewing
PARALLEL SESSION 5
Evidence-based use of antibiotics

Chair: Dr. Annette Cleveland Nielsen
Danish Veterinary and Food Administration, Ministry of Food, Agriculture and Fisheries, Denmark

08.30 Antimicrobial prescribing in veterinary practice is evidence-based: true or false?
Dr. Ana Mateus, Centre for Emerging, Endemic and Exotic Diseases, Royal Veterinary College, University of London, UK

08.55 Case study
Evidence-based treatment guidelines for swine practitioners in Denmark

- General outline and purpose: Dr. Annette Cleveland Nielsen
- Antimicrobial resistance data: Dr. Sven Erik Jorsal, Division of Veterinary Diagnostics and Research, DTU Veterinary, Technical University of Denmark
- Clinical effects: Jens Christian Eskjær Jensen, the Danish Animal Health Industry and Orion Pharma Animal Health
- Pharmacokinetics: Prof.dr. Christian Friis, Department of Veterinary Disease Biology, University of Copenhagen
- Human health concerns – risk profiling: Dr. Yvonne Agersø, Division of Microbiology and Risk Assessment, DTU Food, Technical University of Denmark
- The swine industry’s participation and use of the guidelines: Margit Andreasen, Danish Agriculture & Food Council

10.30 Discussion / Q&A

11.00 Networking break
WEDNESDAY 16 NOVEMBER 2011

PARALLEL SESSION 6
Food chain perspectives on antibiotic use

Chair: Prof. Dr. Yong Ho Park
Seoul National University, Korea

08.30 Responsible use – contribution of the animal health industry
Dr. Olivier Espeisse, Chair of Antibiotics Working Group, International Federation for Animal Health (IFAH), Belgium; Director, Elanco Animal Health, Belgium

08.55 The responsible use of antimicrobials on a global level: the view of the profession
Dr. Tjeerd Jorna, President, World Veterinary Association (WVA), the Netherlands

09.20 Prudent use of antibiotics
Dr. Coen H.M. Smits, Manager, Nutreco Ingredients Research Centre, Nutreco Research and Development, the Netherlands

09.45 Demonstrable controlled prudent use of antibiotics in the food chain
Prof. Dr. Bert Urlings, Director Quality Assurance, VION Food Group, the Netherlands and Animal Nutrition Group, Wageningen University, the Netherlands

10.10 The view of a retailer
Speaker to be confirmed

10.35 Antibiotics and animals – communicating societal uncertainties to an unknown public
Prof. Dr. Lynn J. Frewer, Centre for Rural Economy, School of Agriculture, Food and rural Development, Newcastle University, UK

11.00 Networking break
WEDNESDAY 16 NOVEMBER 2011

PLENARY MEETING

Conclusions & path forward

11.30 - 12.30 Brief presentations and panel discussion

Moderator
• Prof.dr. Peter Silley
  MB Consult Limited and University of Bradford, UK

Panel members
• Dr. Annette Cleveland Nielsen
  Danish Veterinary and Food Administration, Denmark
• Dr. Christine Hoang
  American Veterinary Medical Association, USA
• Prof.dr. Palermo Neto
  University of Sao Paulo, Brazil
• Peter J.G. Oostenbach, M.Sc.
  MSD Animal Health, the Netherlands
• Dr. Stephen Page
  Advanced Veterinary Therapeutics, Australia
• Prof.dr. Yong Ho Park
  Seoul National University, Korea
• Dr. Thomas R. Shryock
  Elanco Animal Health, USA

Purpose and organisation of the panel discussion
During this three-day conference the present and future of the use antibiotics in animals have been discussed from different viewpoints. But has the path forward become clearer? What of the future?

During the first part of this final plenary discussion the panelists (session chairs) will give brief summaries tying the keynote talks to the content throughout the conference to the ‘take-home’ messages.

During the second part of the discussion questions from the participants will be answered.

12.30 Closing of the conference
# PROGRAMME AT A GLANCE

## MONDAY 14 NOVEMBER 2011

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<th>Time</th>
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<tr>
<td>13.00</td>
<td>Plenary Keynote Lectures: Setting the scene</td>
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<tr>
<td>15.15</td>
<td>Plenary meeting: Development of legislation and regulatory policies: Tour du Monde</td>
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<tr>
<td>08.30</td>
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<td>12.30</td>
<td>Networking break and Poster viewing</td>
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<td>13.30</td>
<td>Parallel session 3: The role of monitoring antibiotic use and resistance</td>
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<tr>
<td>17.00</td>
<td>Parallel session 4: Future research, specific approaches</td>
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<td>17.00</td>
<td>Poster viewing</td>
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<td>20.00</td>
<td>Conference dinner (reservations only)</td>
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<tr>
<td>08.30</td>
<td>Parallel session 5: Evidence-based use of antibiotics</td>
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<td>11.30</td>
<td>Parallel session 6: Food chain perspectives on antibiotic use</td>
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<td>11.30</td>
<td>Conclusions &amp; path forward</td>
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## ADVISORY COMMITTEE

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<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>Dr. Awa Aidara-Kane</td>
<td>World Health Organization, Switzerland</td>
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<tr>
<td>Prof.dr. Leonard A. den Hartog</td>
<td>Nutreco and Wageningen University, the Netherlands</td>
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<td>Dr. Herbert Schneider</td>
<td>Agrivet International Consultants, Namibia</td>
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<tr>
<td>Prof.dr. John Turnidge</td>
<td>University of Adelaide, Australia and SA Pathology, Australia</td>
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GENERAL INFORMATION

Who should attend?
The International Conference on Responsible Use of Antibiotics in Animals is designed for:
- the animal health industry and the medical community
- all users of antibiotics in animals, such as veterinarians, animal feed producers, retailers, policy makers, regulatory agencies, researchers in universities and research institutes
- others with an interest in resistance and the sustainability of antibiotics, such as educators, agricultural extension staff, consultants, consumer organizations.

Registration
Registration for the International Conference on Responsible Use of Antibiotics in Animals can be done on-line at the conference’s website: www.bastiaanse-communication.com/RUA

An invoice including bank transfer details will be sent by the Secretariat after receipt of the registration. Payment must be received prior to the conference date. If payment is not received on time, admission to the conference will be refused.

Venue and hotel accommodation
The International Conference on Responsible Use of Antibiotics in Animals will take place at Hotel Zuiderduin in Egmond aan Zee, the Netherlands. Egmond aan Zee is a small village located on the central coast of the Netherlands, 12 km northwest of Amsterdam. From way back, Egmond was a fishing village. Historical fishermen’s houses still determine the image of its centre. The Jan van Speijk lighthouse, with its striking white appearance, keeps a watchful eye over the sea and the village.

The 4-star Hotel Zuiderduin is situated in the middle of the dunes directly on the sea. The hotel features various facilities such as a swimming pool, a sauna and a fitness room, which are free for guests. The hotel also offers the Wellness Center, the Time-Out Bar and a restaurant.

Please note: Participants are responsible for making their own room reservations online at the conference’s website: www.bastiaanse-communication.com/RUA

Shuttle bus service
A complimentary shuttle bus service will be provided for conference participants. The buses will depart from Amsterdam Schiphol Airport to the conference venue on:
- Sunday 13 November 2011 at 14.00, 16.00 and 20.00 h
- Monday 14 November 2011 at 10.00 and 11.30 h

On Wednesday 16 November 2011, after the last session at 13.00 h, a shuttle bus will leave from the conference venue to Amsterdam Schiphol Airport.

Please note: Participants not arriving on Sunday 13 November or Monday 14 November 2011, and not leaving on Wednesday 16 November 2011 at the specific times announced, have to arrange their own transportation. Information on ‘how to reach the conference venue’ can be found at the conference’s website: www.bastiaanse-communication.com/RUA

Call for poster abstracts
The Advisory Board of the International Conference on Responsible Use of Antibiotics in Animals issues a call for poster abstracts. Interested participants are strongly encouraged to submit abstracts (400 words) for posters to the Secretariat by e-mail: antibiotics@bastiaanse-communication.com

Important deadlines:
- deadline for submission 1 October 2011
- deadline of notification of acceptance 15 October 2011

The members of the Advisory Board will evaluate the abstracts and inform the participants of acceptance or their poster.

Business opportunities
The International Conference on Responsible Use of Antibiotics in Animals offers various business opportunities including:

Sponsoring of the conference
- Benefit from excellent name recognition!
- Sponsoring opportunities covering lunch, evening functions and conference programme material also exist.

Exhibiting at the conference
Gain valuable direct exposure!
Parallel to the conference a commercial exhibition will be organised in which presentations of services and products are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks.

Companies and organisations interested in having an exhibition stand or in sponsoring, are invited to contact the Secretariat.

Internet
The latest programme details of the International Conference on Responsible Use of Antibiotics in Animals can be found at: www.bastiaanse-communication.com/RUA

Language
English will be the official language at the International Conference on Responsible Use of Antibiotics in Animals.

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It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers.