4TH INTERNATIONAL CONFERENCE ON

Responsible Use of Antibiotics in Animals

26-28 SEPTEMBER
2016 THE HAGUE
THE NETHERLANDS

Integration of animal, human and environmental health

EARLY BIRD REGISTRATION

www.ResponsibleAntibioticUse.org
It is with great pleasure that we announce the 4th International Conference on Responsible Use of Antibiotics in Animals to be held in The Hague, the Netherlands, on 26–28 September 2016.

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.

The international conference series on Responsible Use of Antibiotics in Animals is an initiative independent from commercial companies, official organisations or authorities. The objectives of the initiative are:

• to give an overview of the ongoing activities with respect to the issue of antibiotic use in animals and antimicrobial resistance in animals and humans;
• to learn about the expectations of different parties involved;
• to focus on innovative approaches to disease prevention, rapid diagnostics and alternatives to antibiotics; and
• to identify the areas which need further research and action with respect to the current scientific knowledge and political expectations.

Key themes of the 4th International Conference on Responsible Use of Antibiotics in Animals include:

• integration of animal, human and environmental health;
• approaches at global and national levels;
• engagement of stakeholders;
• innovations in disease prevention and detection, including gut health, alternatives to antibiotics, rapid diagnostics, etc.; and
• new areas to explore.

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 organisations.

The Advisory Board members of the 4th International Conference on Responsible Use of Antibiotics in Animals are looking forward to meeting you at the Hague, the Netherlands!

ADVISORY BOARD

Prof. dr. Peter Borriello  
Veterinary Medicines Directorate, UK
Dr. Delia Grace  
International Livestock Research Institute, Kenya
Prof. dr. Samuel M. Kariuki  
Kenya Medical Research Institute, Kenya
Dr. Arie K. Kies  
DSM and Wageningen UR, the Netherlands
Prof. dr. Jan Kluytmans  
University Medical Center Utrecht, the Netherlands
Dr. Cristina Muñoz Madero  
The Spanish Agency of Medicines and Medical Devices, Spain
Peter J.G. Oostenbach, M.Sc.  
MSD Animal Health, the Netherlands
Dr. Stephen Page  
Advanced Veterinary Therapeutics, Australia
Prof. dr. Mark G. Papich  
North Carolina State University, USA
Dr. Thomas R. Shryock  
Antimicrobial Consultants, USA
Prof. dr. Peter Silley  
MB Consult Limited and University of Bradford, UK
Dr. Miliane M.S. Souza  
Universidade Federal Rural do Rio de Janeiro, Brazil
### PROGRAMME AT A GLANCE

**Monday 26 September 2016**

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<td>Conference opening</td>
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<td>10:15 – 10:45</td>
<td>Keynote lecture</td>
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<td>Keynote: Superbugs attack! How the world can win the war on antimicrobial resistance</td>
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<td>10:45 – 12:30</td>
<td>Plenary meeting</td>
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<td>Antibiotic use and resistance: cross-cutting themes</td>
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<tr>
<td>12:30 – 13:30</td>
<td>Lunch break &amp; poster viewing</td>
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<tr>
<td>13:30 – 16:00</td>
<td>Plenary meeting</td>
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<td>Global approaches to responsible use of antibiotics</td>
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<td>16:00 – 16:30</td>
<td>Networking break</td>
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<tr>
<td>16:30 – 18:30</td>
<td>Plenary meeting</td>
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<td>Antibiotic use and resistance – case studies from developing countries</td>
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<tr>
<td>18:30 – 19:30</td>
<td>Lounge party &amp; poster viewing</td>
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**Tuesday 27 September 2016**

<table>
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<tr>
<th>Time</th>
<th>Parallel Session 1</th>
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<tr>
<td>08:30 – 10:45</td>
<td>National approaches to antibiotic use and resistance – focus on EU and USA</td>
<td>Importance and relevance of animal intestinal and respiratory health</td>
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<tr>
<td>10:45 – 11:15</td>
<td>Networking break</td>
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<tr>
<td>11:15 – 13:00</td>
<td>Parallel session 1 (cont’d)</td>
<td>Parallel session 2 (cont’d)</td>
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<td>13:00 – 14:00</td>
<td>Lunch break &amp; poster viewing</td>
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<tr>
<td>14:00 – 16:00</td>
<td>Parallel session 3</td>
<td>Parallel session 4</td>
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<tr>
<td>Parallel: The stakeholders’ view on antibiotic use and resistance</td>
<td>Ongoing research to control antibiotic use and resistance</td>
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<td>16:00 – 16:30</td>
<td>Networking break</td>
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<td>16:30 – 18:15</td>
<td>Parallel session 3 (cont’d)</td>
<td>Parallel session 4 (cont’d)</td>
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<tr>
<td>18:15 – 19:15</td>
<td>Poster viewing &amp; drinks</td>
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<td>20:00</td>
<td>Conference dinner</td>
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**Wednesday 28 September 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Plenary meeting</th>
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<tr>
<td>08:30 – 10:45</td>
<td>Towards a global approach to veterinary antimicrobial stewardship</td>
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<tr>
<td>10:45 – 11:15</td>
<td>Networking break</td>
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<tr>
<td>11:15 – 13:00</td>
<td>Final plenary meeting</td>
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<td>Where do we go from here?</td>
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<td>13:00</td>
<td>Conference closing</td>
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CONFERENCE PROGRAMME

10:00 Conference opening

10:15 KEYNOTE LECTURE
Superbugs attack! How the world can win the war on antimicrobial resistance
Dr. Steven J. Hoffman, Director, Global Strategy Lab at the University of Ottawa, Canada

PLENARY MEETING: Antibiotic use and resistance – cross-cutting themes
Chairs: Prof. dr. Peter Borriello, Veterinary Medicines Directorate, UK
Dr. Timothy Robinson, International Livestock Research Institute, Kenya

10:45 Modelling the distribution of intensifying livestock production systems
Dr. Marius Gilbert, Biological Control and Spatial Ecology, Université libre de Bruxelles, Belgium

11:10 Mapping the global use of antimicrobials in food animals
Dr. Thomas P. Van Boeckel, Department of Environmental Systems Science, ETH Zurich, Switzerland/
Department of Ecology and Evolutionary Biology, Princeton University, USA

11:35 Moving beyond the classic foodborne pathogens to quantify the total public health burden of using
antibiotics in food animals
Prof. dr. Lance B. Price, Department of Environmental and Occupational Health, The George Washington
University, USA

12:00 Resistance from food to humans: a multidimensional problem
Prof. dr. Jan Kluytmans, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht,
the Netherlands

12:30 Lunch break & poster viewing

PLENARY MEETING: Global approaches to responsible use of antibiotics
Chairs: Prof. dr. Peter Borriello, Veterinary Medicines Directorate, UK
Prof. dr. Jan Kluytmans, University Medical Center Utrecht, the Netherlands

13:30 OIE – World Organisation for Animal Health activities on antimicrobial resistance
Dr. Jean-Pierre Orand, OIE Collaborating Centre for Veterinary Medicinal Products, France

13:55 Building a global agreement on the responsible use of antibiotics in animals
William Hall, Senior Policy Advisor, Review on Antimicrobial Resistance, UK

14:20 Antimicrobial resistance: exploring the human animal link!
Perspectives from the Latin American Caribbean region
Dr. Jennie Ward-Robinson, President and CEO, PAHO Foundation, USA

14:45 Working together: Australia’s response to antimicrobial resistance
Dr. Mark Schipp, Chief Veterinary Officer, Department of Agriculture and Water Resources, Australia

15:10 Asian strategies against transmission of antibiotic-resistant microorganisms between animals and humans
Prof. dr. Yong Ho Park, College of Veterinary Medicine, Seoul National University, Korea

15:35 Transatlantic Taskforce on Antimicrobial Resistance (TATFAR), collaboration in veterinary medicine
Jordi Torren Edo, Veterinary Medicines Department, European Medicines Agency, UK

16:00 Networking break
PLENARY MEETING: Antibiotic use and resistance – case studies from developing countries

Chair: Dr. Timothy Robinson, International Livestock Research Institute, Kenya
Dr. Delia Grace, International Livestock Research Institute, Kenya

16:30 Chair’s introduction

16:40 Development and migration of antimicrobial resistance in livestock in China
Dr. Dengpan Bu, Institute of Animal Science, Chinese Academy of Agricultural Sciences (CAAS), China

17:00 Antibiotic use in small holder peri-urban dairy farms in India: sowing ignorance, reaping resistance
Dr. Manish Kakkar, Public Health Foundation of India, India

17:20 A veterinary intervention to reduce antimicrobial usage in chicken production in Vietnam (ViParc programme)
Dr. Juan J. Carrique-Mas, Oxford University Clinical Research Unit, Hospital for Tropical Diseases, Vietnam

17:40 Multiresistant E. coli in small vs. large scale pig farms in North Eastern Thailand
Dr. Jatesada Jiwakanon, Department of Medicine, Khon Kaen University, Thailand

18:00 Epidemiology and genomics of antimicrobial resistance in key bacterial pathogens of human and livestock importance in Kenya
Prof. dr. Samuel M. Kariuki, Kenya Medical Research Institute, Kenya

18:20 Chair’s summary

18:30 Lounge party & poster viewing
PARALLEL SESSION 1: National approaches to antibiotic use and resistance – focus on EU and USA

Chairs: Dr. Cristina Muñoz Madero, The Spanish Agency of Medicines and Medical Devices, Spain
Prof. dr. Mark G. Papich, North Carolina State University, USA

08:30 Update on the U.S. National Action Plan to Combat Antibiotic-Resistant Bacteria
Dr. Thomas R. Shryock, Antimicrobial Consultants, USA

08:50 Implementation of the Veterinary Feed Directive in the USA: issues and impacts
Dr. Jeffrey L. Watts, Zoetis, USA

09:10 The CVMP Strategy on Antimicrobials 2016 to 2020 – an EU regulatory perspective
Dr. Helen Jukes, Veterinary Medicines Directorate, UK

09:30 Evaluation of the EU Action plan against the rising threats from Antimicrobial Resistance
speaker to be confirmed

Case studies from the USA

09:50 Strategies in U.S. veterinary medicine for antibiotic use and surveillance of antibiotic resistance
Dr. Rick Sibbel, Merck Animal Health, USA

10:10 Incentivising R&D for new antimicrobial drugs and non-antibiotic alternatives
Dr. Stacy Sneeringer, Structure, Technology, and Productivity Branch, Economic Research Service, U.S. Department of Agriculture, USA

10:30 Environmental, economic and animal health implications from antibiotic-free production of broilers in the USA
Dr. Matthew J. Salois, Elanco Animal Health, USA

10:50 Networking break

Measures taken in the EU to reduce the need for and the use of antibiotics in animal husbandry

11:15 Actions promoting prudent use of antibiotics in Spain: One Health approach
Dr. Antonio Lopez, The Spanish Agency of Medicines and Medical Devices (AEMPS), Spain

11:35 The French national plan to reduce the risk of antimicrobial resistance in veterinary medicine: a global collective and voluntary approach
Dr. Jean-Pierre Orand, The French Agency for Veterinary Medicinal Products/The French Agency for Food, Environmental and Occupational Health & Safety (ANMV/ANSES), France

11:55 Antimicrobial consumption and resistance in animals: the Belgian approach
Ms. Bénédicte Callens, Center of Expertise on Antimicrobial Consumption and Resistance in Animals (AMCRA), Belgium

12:15 Results of the public/private approach to reduce antimicrobial resistance in production animals in the Netherlands, what’s the next step?
Dr. Hetty van Beers-Schreurs, The Netherlands Veterinary Medicines Authority (SDa), the Netherlands

12:35 Antimicrobial resistance and use, the Danish experience
Dr. Elisabeth Okholm Nielsen, Animal Welfare and Veterinary Medicine Division, Danish Veterinary and Food Administration, Denmark

13:00 Lunch break & poster viewing
PARALLEL SESSION 2: Importance and relevance of animal intestinal and respiratory health

Chairs: Dr. Arie K. Kies, DSM Nutritional Products and Wageningen UR, the Netherlands
Dr. Miliane M.S. Souza, Universidade Federal Rural do Rio de Janeiro, Brazil

08:30 Chair’s introduction

08:40 Microbial colonisation is essential for the development of the gut immune system in chickens
Prof. dr. Bernd Kaspers, Institute for Animal Physiology, Ludwig-Maximilians-Universität München, Germany

09:05 Antibiotic usage during early life perturbs gut development in pigs
Dr. Dirkjan Schokker, Animal Sciences Group, Wageningen UR, the Netherlands

09:30 Antibiotic therapy in poultry: friend or foe to the gastrointestinal tract?
Dr. C. Stephen Roney, College of Veterinary Medicine, University of Georgia, USA

09:55 Modulating the gut flora to reduce antibiotic usage in livestock
Prof. dr. Roberto Marcello La Ragione, Veterinary Pathology Centre and Department of Pathology and Infectious Diseases, University of Surrey, UK

10:20 Factors affecting the gastro-intestinal microbial balance and the impact on the health status of pigs
Dr. Paolo Trevisi, Department of Agricultural and Food Sciences, University of Bologna, Italy

10:45 Networking break

11:15 Proteolytic fermentation and the effects on intestinal health in broilers
Francois J. Nell M.Sc., Animal Nutrition and Health, DSM Nutritional Products, Switzerland and Animal Nutrition, Wageningen UR, the Netherlands

11:40 ResPig: impact of a structural respiratory health approach on antibiotic use
Victor Geurts, M.Sc., MSD Animal Health, the Netherlands

12:05 The nutritional costs of the immune response in pigs
Dr. Elodie Merlot, Physiology of Adaptation, Animal Nutrition and Health, INRA/Agrocampus Ouest (PEGASE), France

12:30 Costs of broiler and fattening pig diseases, with reference to antimicrobials
Dr. Helmut Saatkamp, Business Economics Group, Department of Social Sciences, Wageningen UR, the Netherlands

12:55 Chair’s summary

13:00 Lunch break & poster viewing
PARALLEL SESSION 3: The stakeholders’ view on antibiotic use and resistance

Chairs: Peter J.G. Oostenbach, M.Sc., MSD Animal Health, the Netherlands
Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia

14:00 Veterinary antibiotics: a perspective on usage, innovation incentives and effective policies
Carel du Marchie Servaas, Executive Director, HealthforAnimals (Global Animal Medicines Association)

14:20 Stewardship through sound science – the role of the veterinarian
John M. Blackwell, Past president British Veterinary Association, on behalf of the World Veterinary Association (WVA)

14:40 Reducing the need for antibiotics through animal nutrition
Predrag Persak, Chairman of the Animal Nutrition Committee, European Feed Manufacturers’ Federation (FEFAC)

15:00 title to be confirmed
speaker on behalf of the European Farmers – European Agri-Cooperatives (Copa-Cogeca)

15:20 The links between animal health, welfare and antibiotics use from a public health perspective
Sascha Marschang, Policy Manager for Health Systems, European Public Health Alliance (EPHA)

15:40 Public health points of view regarding antibiotic resistance
Dr. Aura Timen, President of the Section Infectious Disease Control, European Public Health Association (EUPHA)

16:00 Networking break

16:30 The future of broiler breeding in an ever-changing world
Dr. Mitchell Abrahamsen, Senior Vice President R&D, Cobb-Vantress, USA

16:50 Interventional genomics for the prevention of antibiotic resistance
Prof. dr. Alex Friedrich, Faculty of Medical Sciences, University Medical Center Utrecht, the Netherlands

17:10 Animal production without any antimicrobials: potential scenario or license for euthanasia
Prof. dr. Jaap Wagenaar, Department of Infectious Diseases and Immunology, Utrecht University, the Netherlands

17:30 Panel discussion

18:15 Poster viewing & drinks

20:00 Conference dinner
PARALLEL SESSION 4: Ongoing research to control antibiotic use and resistance

Chairs: Dr. Thomas R. Shryock, Antimicrobial Consultants, USA
Prof. dr. Peter Silley, MB Consult Limited and University of Bradford, UK

14:00 A rapid procedure of PCR and a microarray lateral flow test for detection of antibiotic resistance genes
Dr. Aart van Amerongen, BioSensing & Diagnostics, Wageningen UR, the Netherlands

14:20 Host defence peptides: natural anti-infectives?
Prof. dr. Henk Haagsman, Department of Infectious Diseases and Immunology, Utrecht University, the Netherlands

14:40 Unlocking the medieval medicine cabinet to help fight antimicrobial resistance
Dr. Steve Diggle, Centre for Biomolecular Sciences, University of Nottingham, UK

15:00 Human contact with dogs and the risk of carriage of antimicrobial resistant E. coli
Emma Ormandy, Institute of Infection and Global Health, University of Liverpool, UK

15:15 The influence of farm-specific characteristics and production management on antibiotic usage in conventional broilers
Tommy Van Limbergen, Department of Obstetrics, reproduction and herd health, Ghent University, Belgium

15:30 Impact of facilitated structural animal health management on antimicrobial use and animal health parameters in Dutch dairy farming
David Speksnijder, Department of Infectious Diseases and Immunology, Utrecht University and Veterinary Clinic Tweestromenland, the Netherlands

15:45 Organic farming and antimicrobial resistance in Germany – the example of E. coli in dairy herds
Dr. Bernd-Alois Tenhagen, Department Biological Safety, Federal Institute for Risk Assessment, Germany

16:00 Networking break

Focus on the environment

16:30 Antibiotic resistance in aquatic environments: from the evidences to the mitigation measures
Dr. Célia Manaia, Faculty of Biotechnology, Portuguese Catholic University, Portugal

16:55 The soil resistome, antibiotic resistance genes, and transfer to human and animal pathogens
Dr. Pascal Simonet, Environmental Microbial Genomics Group, École Centrale de Lyon, France

17:20 Antibiotic resistance in the environment: inferences, challenges and data gaps
Dr. Randall S. Singer, College of Veterinary Medicine, University of Minnesota, USA

17:45 Unpacking factors influencing antimicrobial use in global aquaculture
Dr. Patrik J.G. Henriksson, Beijer Institute of Ecological Economics, The Royal Swedish Academy of Science, Sweden

18:15 Poster viewing & drinks

20:00 Conference dinner
PLENARY MEETING: Towards a global approach to veterinary antimicrobial stewardship

Chairs: Prof. dr. John F. Prescott, University of Guelph, Canada
Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia

08:30 Introduction to veterinary antimicrobial stewardship
Prof. dr. John F. Prescott, Ontario Veterinary College, University of Guelph, Canada

08:45 Antimicrobial stewardship in healthcare in Scotland – key success factors
Dr. Jaqueline Sneddon, Scottish Medicines Consortium, UK

09:05 Antimicrobial stewardship in livestock: principles and practice
Prof. dr. Guy H. Loneragan, Department of Animal and Food Sciences, Texas Tech University, USA

09:25 Antimicrobial stewardship in livestock: experiences in dairy practice
Dr. Andy Millar, Purata, New Zealand

09:45 Antimicrobial prescribing in the real world of companion animal practice: challenges and recommendations
Prof. dr. Jill Maddison, Department Clinical Sciences and Services, The Royal Veterinary College, UK

10:05 Antimicrobial stewardship in companion animal practice: a pilot programme in Canberra, Australia
Dr. Alison Taylor, Kippax Veterinary Hospital, Australia

10:25 Developing a global veterinary antimicrobial stewardship support programme
Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia

10:45 Networking break

FINAL PLENARY MEETING: Where do we go from here?

11:15 The economic costs of withdrawing antimicrobial growth promoters from the livestock sector
Dr. Ramanan Laxminarayan, Director, The Center for Disease Dynamics, Economics & Policy (CDDEP), USA

11:35 One Health; bridging the gap between surveillance and stewardship
Dr. Luke Moore, Department of Medicine, Imperial College London, UK

12:00 Panel discussion: Conclusions and path forward

During this three-day conference the present and future of antibiotic use and resistance have been discussed from different viewpoints. Has the path forward become clearer? What are the ‘take-home’ messages? After a brief introduction by the moderators, questions from the participants will be answered.

Moderators:
Prof. dr. Peter Borriello Veterinary Medicines Directorate, UK
Prof. dr. Jan Kluytmans University Medical Center Utrecht, the Netherlands

Panel members:
Dr. Arie K. Kies DSM and Wageningen UR, the Netherlands
Dr. Delia Grace International Livestock Research Institute, Kenya
Dr. Cristina Muñoz Madero The Spanish Agency of Medicines and Medical Devices, Spain
Peter J.G. Oostenbach, M.Sc. MSD Animal Health, the Netherlands
Dr. Stephen Page Advanced Veterinary Therapeutics, Australia
Prof. dr. Mark C. Papich North Carolina State University, USA
Prof. dr. Peter Silley MB Consult Limited and University of Bradford, UK

13:00 End of conference
WEBSITE
The latest details of the 4th International Conference on Responsible Use of Antibiotics in Animals can be found at the conference’s website: www.ResponsibleAntibioticUse.org

WHO SHOULD ATTEND
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 antimicrobial resistance and sustainability of antibiotics, such as educators, agricultural extension staff, consultants, and consumer organisations.

HOW TO REGISTER AND BOOK A HOTEL ROOM?
For all relevant information on registration fees, on-line registration and hotel accommodation, please go to the conference’s website: www.ResponsibleAntibioticUse.org

VENUE
The 4th International Conference on Responsible Use of Antibiotics in Animals will be held at The Hague Marriott Hotel, one of the best located hotels in The Hague, the Netherlands. The hotel is situated in the middle of the ‘Statenkwartier’ area across the ‘Catshuis’ – the official residence of the Prime Minister of the Netherlands – within walking distance of ‘Gemeente Museum Den Haag’ (Municipal Museum The Hague) and the Peace Palace.

ABOUT THE HAGUE
The Hague is a city of many faces: a centre of government, a royal residence, an international city of peace and justice, great for shopping, visiting museums, etc. Located near the beautiful North Sea coastline, The Hague offers something for everyone. Top things to do include: ‘Het Binnenhof’, the center of politics in the Netherlands; the iconic Peace Palace, used by the International Court of Justice; The Royal Picture Gallery Mauritshuis, a marvelous collection of art from the old masters of the 17th and 18th century; the Municipal Museum The Hague, the world’s biggest Mondrian collection including the famous work Victory Boogie Woogie; the Hofjes Itinerary, hidden places, tucked away from the hustle and bustle of the city; miniature park Madurodam, the ultimate place to discover what makes the Netherlands so unique; Panorama Mesdag, a 360 degree vista of the sea, the dunes and the fishing village of Scheveningen as it was in 1881; Noordeinde Palace, used by our king as a working palace; the North Sea Beach, where you can enjoy the wide variety of restaurants and entertainment, no matter the season!

CALL FOR POSTER ABSTRACTS
Interested participants are strongly encouraged to submit poster abstracts (max. 400 words) by no later than 1 August 2016. Abstracts should be submitted only as a Microsoft Word file attached to an e-mail message sent to the Conference Secretariat: antibiotics@bastiaanse-communication.com
The members of the Advisory Board of the 4th International Conference on Responsible Use of Antibiotics in Animals will evaluate the abstracts and inform the participants of the acceptance. Posters will be displayed throughout the conference. Poster size: A0 portrait (841 mm x 1189 mm).

BUSINESS OPPORTUNITIES
The 4th 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 exists.

- 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.

More information on the business opportunities can be found at the conference’s website: www.ResponsibleAntibioticUse.org

LANGUAGE
English will be the official language at the 4th International Conference on Responsible Use of Antibiotics in Animals. Simultaneous translation will not be provided.

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.

CONFERENCE SECRETARIAT
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SEE YOU IN
THE HAGUE

Integration of animal, human and environmental health