

Second joint meeting of the HealthyLivestock project

Tackling Antimicrobial Resistance through improved livestock Health and Welfare

AGENDA

Wednesday morning, August 28

Venue: Conference Centre of the EAAP venue

(This session is open to all EAAP conference delegates).

08:00 EAAP Registration desk open

08:30 Start of Scientific Session 37: Strategies Reducing Antimicrobial Need I

Room: Hubert Van Eyk

Chair: Dr. Stefano Messori (OIE (Paris) and member of EAAP Health & Welfare Commission).

Welcome

08:30 **Matthias Gauly**

President of the EAAP.

08:35 **Hans Spoolder**

Healthy Livestock Project Coordinator for the EU.

HealthyLivestock: a Chinese - European project to reduce the need for antimicrobials

Scientific session

PLEASE NOTE: the EAAP conference uses presentation intervals of exactly 15 mins (or multiples thereof) and time will be kept very strictly by the session chair.

HealthyLivestock speakers are printed in **bold**.

08:45 **More, S.J.**

Invited key-note: Strategies to reduce the need and use of antimicrobials in animal production: a European perspective

09:15 **Ayongxi, A.**

Reduce Antimicrobial Use through Better Animal Welfare Practices in China

09:30 **Fourichon, C.**

Biosecurity challenges to reduce the needs of antimicrobials in pig and broiler farming systems

09:45 **Bokma-Bakker, M.H.**

Critical fail and success factors for reduced use of antibiotics in veal calves

10:00 **Leblanc-Maridor, M.**

Effective waterlines cleaning protocols: a new way to reduce antibiotic usage?

10:15 Coffee break

10:45 Bareille, N.

Levers to reduce antibiotic use in French beef farming : a multilevel perspective

11:00 **Kemp, B.**

Early life experiences affect the adaptive capacity of animals to cope with challenges in later life

11:15 Averós, X.

Ewe prepartum supplementation with polyunsaturated fatty acids affects lamb immunity and behaviour

11:30 Rebel, A.

Impact of Interventions during the Neonatal development of Piglets

11:45 **Giersberg, M.F.**

Automated monitoring of broilers from different hatching conditions: the HealthyLivestock approach

12:00 Ayrle, H.

Effects of oral administered garlic on postweaning pig's health and performance

12:15 Messori, S.

Introduction to the Posters on strategies to reduce the need for antimicrobials (*by the poster presenters – 1 to 3 slides each*)

12:30 Closure of the scientific session

12:30 Lunch at EAAP

Wednesday afternoon, August 28

(The afternoon part of the programme is only for Healthy Livestock participants and their guests)

13:30 Walk from EAAP main entrance to NH Hotel Ghent

14:00 WP sessions

Venue: six separate meeting rooms at NH Hotel, one per WP.

Chairs: the two WP leaders.

14:00 Welcome and introduction of WP representatives. Overview of the objectives of the WP as defined in the EU and Chinese contracts by the two WP leaders (10 - 15 minutes)

14:15 Presentations by each institute in the WP (15 min per institute).

Each presentation includes

- Per objective: the experiments that are planned (please provide details on number of animals used per treatment, methodologies used, etc.)
- Deliverables, timing and deadlines for these deliverables
- Involvement of any collaborators (within or outside HealthyLivestock)
- Any foreseen deviations from the EU proposal or the Chinese contract

Discussion of all presentations and overall progress of the WP. All partners are invited to provide comments and suggestions on each other's plans, time schedule, potential joint approaches, missing activities, dependencies between the Chinese and EU work. The discussions aim to reach agreement on how to resolve any obstacles.

Finally: each WP1-4 makes a 10 minute presentation for the General Assembly meeting on the 29th. WPs 5 + 6 prepare a longer presentation aimed at making links with the other WPs.

Meetings close 18:00 hours.

Scientific Advisory Board and guests

14:00 The SAB and guests from MOST and the EU Commission are invited to join any of the WP sessions.

16:00 Separate meeting for SAB and guests only. Meeting room to be decided. The SAB will discuss their way of working with the project and talk about project progress in general. Hans Spoolder can be present at the start, and stay for as long as the SAB wants.

Meeting closes 18:00.

Posters at EAAP

17:00 The posters linked to the HealthyLivestock sessions will be on display at the EAAP poster rooms between 17:00 and 18:00 hours. During this hour, **the authors should be in attendance**.

18:00 Close

18:45 Group picture

Everybody to meet in the hotel lobby.

19:00 Dinner at Hotel

Thursday morning, August 29

(The morning session is open to all EAAP conference delegates)

08:00 Departure from the lobby of the hotel, walk to EAAP.

08:00 EAAP Registration desk open

08:30 Start of Scientific Session 57: Strategies Reducing Antimicrobial Need II

Room: Hubert Van Eyk

Chair: Prof. Bas Kemp (Wageningen University. HealthyLivestock Scientific Coordinator (EU)).

- 08:30 **Marchant-Forde, J.N.** *Invited key-note:* Dietary modification of gut microbiome and behavior in pigs (*This key-note replaces the programmed paper by Prof Yin*).
- 09:00 **Belloc, C.** Antimicrobial usage evolution between 2010, 2013 and 2016 in a group of French pig farms
- 09:15 **Belloc, C.** Antimicrobial usage: Pig farmers' perceptions, attitudes and management
- 09:30 **Leen, F.** DISARM: Community of Practice for Antibiotic Resistance Management via Multi-Actor Farm Health Plans
- 09:45 **Leblanc-Maridor, M.** First step to increase Swine Farmers' Trust in their Veterinarians: development of a scale
- 10:00 **Hemonic, A.** Early disease detection for weaned piglet based on live weight, feeding and drinking behaviour

10:15 Coffee

- 10:45 **Egger-Danner,** Added value of data integration to reduce the use of antimicrobials on dairy farms
- 11:00 **Malchow, J.** Elevated platforms as enrichment and to monitor activity and weight in broilers
- 11:15 **Liu, L.S.** A smart ear-attached sensor for real-time sows behaviour classification
- 11:30 **Alameer, A.** Individual pig tracking across multiple cameras for the extraction of behavioural metrics
- 11:45 **Kanellos, Th.** How many pigs within a group need to be sick to cause a diagnostic change in the group's behaviour?
- 12:00 **Yang, S.M.** Veterinary precision medicine and reducing veterinary drugs in animal production in China: a case study
- 12:15 **Bousquet-Melou, A.** Monitoring individual water consumption for optimization of antibiotic treatments in herds

12:30 Closure of the scientific session

12:30 Lunch at EAAP

Thursday afternoon, August 29

(The afternoon part of the programme is only for Healthy Livestock participants and their guests)

13:30 General Assembly meeting

Room: Guislain 2

Chairs: Yang Shuming and Hans Spoolder

13:30 Short presentations providing feed-back from WP1-4 discussions. Each WP leaders duo: presentation of 10-15 minutes per WP (60 min)

14:30 Overview of WP5 activities and interactions between partners. Kees de Roest and Yang Shuming (15 mins + 30 mins discussion)

15:15 Overview of WP6 activities and interactions between partners. Ayoshi and Jan Vaarten (15 mins + 15 mins discussion)

15:45 Coffee break

16:15 General Assembly (cont.)

16:15 Any Other Business. This is the opportunity to talk about non-scientific issues related to our project.

AOB discussion topics can be proposed by the delegates.

Scientific Advisory Board meeting

16:15 The SAB has the opportunity to discuss the project's progress, and prepare their feedback. Room to be decided.

17:00 Close, and re-join the General Assembly in room Guislain 2.

17:00 Feedback from the Scientific Advisory Board

17:30 Closing of the meeting

Friday, August 30

Please see separate agenda.

Participants per WP

WP1	SONG Weiping (DBN) Christine FOURICHON (INRA) Martien BOKMA, Hans SPOOLDER (WLR) Kyriacos ANGASTIONIOTIS (VTN) Paolo FERRARI (CRPA) Sotiris PAPASOLOMONTOS (VTN) Fan Yu (DBN) Catherine BELLOC (INRA)	WP4	Alain BOUSQUET-MELOU (INRA) LI Janxi (LIHPS) Georgios KEFALAS (VTN) LIU Rui (IOSTAP) ZHANG Kai, WANG Xuezhhi, ZHANG Jingyan, XIN Ruihua (LIHPS) Didier CONCORDET (INRA)
WP2	Bas KEMP (WUR) YAN Hua (IAS) Ingrid DE JONG (WLR) Carol SOUZA DA SILVA (WLR) Julia MALCHOW (FLI) Jowita NICZYPORUK (NVRI) Sandra EDWARDS (UNEW) ZHENG Weijiang (NAU)	WP5	YANG Shuming (IOSTAP) Kees DE ROEST (CRPA) Mily LEBLANC-MARIDOR (INRA) Anke DE LORM (WLR) Björn FRIEDRICHSEN (P+M) Tomasz BŁADEK (NVRI)
WP3	YAO Wen (NAU) Lars SCHRADER (FLI) <i>will stand in for prof Kyriazakis</i> Ali ALAMEER (UNEW) Mona GIERSBERG (WUR) Anne HEMONIC (IFIP) LIU Longshen, SHEN Mingxia (NAU)	WP6	Jan VAARTEN (FVE) AYOSHI (CAPIAC) Shaileen MCGOVERN, Theo KANELLOS (Zoetis Europe) Roland AUMULLER (GlobalGAP) KONG Yibo (Zoetis China) LIU Ting Alice (CAPIAC) Dotan YAEL (FVE)

Scientific Advisory Board

Ted Whitem
 Simon More
 Jeremy Marchant Forde
 Jörg Hartung