

Plan of action consult

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Major: Applied Animal Science, Van Hall Larenstein
Thesis title: Risk assessment and risk management of Extended Spectrum Beta-Lactamases introduction and spread in pigs in Agroparks in the Netherlands.
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Background

To finish the major Applied Animal Science at Van Hall Larenstein a thesis was carried out titled: 'Risk assessment and risk management of Extended Spectrum Beta Lactamases (ESBL)¹ introduction and spread in pigs in Agroparks in the Netherlands'. Agroparks are spatial clusters of different production chains and agro-processing.

After a literature study and involvement of fifteen experts from five different countries and with different backgrounds (medical, food chain and food animal), a long list of risk factors for the introduction and spread of Extended Spectrum Beta Lactamases was made. After this the experts were asked to select and rank risk factors which led into three different top tens of risk factors for Dutch experts, Danish experts and other international experts. After presenting the outcomes to a group of Dutch experts, a final selection by Dutch experts took place. Together with researchers, entrepreneurs, Agropark specialists and veterinarians, management solutions for these risks were developed. During a consult on the 23rd of June 2009 the results of the thesis will be presented and discussed interactively.

The thesis was carried out for Alterra, a research centre for the green living environment, part of the Wageningen University and Research centre.

Goal

There are two goals of this consult:

1. To communicate the highlights of the research to the commissioner by presenting the research outcomes and a facilitating a workshop
2. To show the capacity to communicate, to reflect, to manage a project and to innovate to the assessors.

Activities

The consult will take place on the 23rd of June 2009 from 13:30 till 15:30 in room L652 in the Forum Building, Droevendaalsteeg 2 in Wageningen.

The consult will start with the presentation of the highlights of the research; the background, method, results, conclusions and recommendations. There is room for questions and a small discussion on the research outcomes and recommendations at the end of the presentation.

¹ In the total spectrum of antimicrobial drugs, beta lactams, that include antibiotics like penicillins and cephalosporin's, represent a class of antimicrobials which are important for the treatment of bacterial infections. The beta lactam antibiotics can be inactivated by Extended Spectrum Beta Lactamases (ESBL) which are bacterial enzymes. The worldwide emerge of ESBL has been mentioned by the WHO as a matter of particular recent concern. Resistance to this group of antibiotics can lead to therapy failure in animal and human treatment. To ensure food safety and safety of animal and public health, managing the risks for introduction and spread of ESBLs in Agroparks is necessary.

Afterwards a workshop titled "Discussion on design Agropark X" will take place. In the presentation the risk factors and ideas on how to manage these risk factors in agroparks will be given. With this information it is possible to assess a design of an agropark on the risks for introduction and spread of ESBL in the pig husbandry.

The guests will be put together in groups of 3 to 4 people to discuss a design of an agropark. The question to them: 'Take a look at the design of the Agropark X, as it is given to you and see if the design fits within the recommendations of the thesis.' The participants are free to make changes in the design of the agropark on paper by moving animal units, people, roads, transport lines etc. but changes need to be valid.

The groups will be made on forehand by using the participant list and combining different backgrounds. After half an hour of workshop, one of each group will be asked to shortly present the outcomes of their work. The other participants are free to ask questions or discuss the design.

Consult program

13:30 Welcome

13:35 Presentation of research outcomes and recommendations

14:05 Questions and small discussion on research outcomes and recommendations

14:30 Workshop "Discussion on design Agropark X"

15:00 Discussion on workshop outcomes

15:30 Closure

The invited guests will include all the Dutch participants in the expert meetings, agropark specialists, classmates and others involved or interested in the research. (See annex 1)

Planning

	Start	End
Develop consult idea	5-mei	20-mei
Make concept consult plan	20-mei	25-mei
Get approval for consult	20-mei	25-mei
Make guest list	25-mei	3-jun
Find route to location to send	3-jun	3-jun
Invite guests	3-jun	5-jun
Arrange location	3-jun	3-jun
Make maps of agroparks	3-jun	18-jun
Make name badges	18-jun	22-jun
Make handouts of presentation	22-jun	22-jun
Make presentation	10-jun	22-jun
Prepare discussion	15-mei	22-jun

Annex 1.

Invited guests

1	Prof. Dr. D.J. (Dik) Mevius, CVI
2	Drs. C.M. (Cindy) Dierikx, CVI
3	Dr. M.A. (Maurine) Leverstein – Van Hall, UMCU, RIVM
4	Dr. J. (Jobke) van Hout, Gezondheidsdienst voor Dieren
5	Drs. W.M.T. (Resie) Oude Luttikhuis, Van Hall Larenstein
6	Drs. P.J.A.M. (Peter) Smeets, Alterra

7	Dr. M. (Manon) Swanenburg, CVI
8	Drs. E.M. (Els) Broens, WUR
9	Drs. M.J.M. (Madeleine) van Mansfeld, Alterra
10	Ing. B. (Ben) Wit, VWA
11	Dhr. G. (Gertjan) Vullings, Varkenshouder, NGB
12	Drs. G. (Gerard) van Eijden, KNMvD, Vakgroep Gezondheidszorg Varken
13	Drs. B.G.M. (Björn) Eussen, FIDIN
14	Ir. J.B. (Bennie) van der Fels, Animal Science Group (WUR)
15	Dr. Ir. J. (Jan) Broeze, Agrotechnology & Food Sciences Group (WUR)
16	Dhr. J. (Jaco) Geurts, Nederlandse Vakbond Varkenshouders (NVV)
17	Ine vd Fels, RIKILT
18	Piet Sterrenburg, RIKILT
19	Karel de Greef, ASG
20	Nico Bondt, LEI Dier
21	Armin Elbers, CVI
22	Bas Engels, WU Statistiek
23	Karen Eilers, Animal Production Systems, WU
24	Ron Bergevoet, LEI Dier
25	Nienke Dirx-Kuijken, onderzoekscentrum Sterksel
26	Siem Korver, VION
27	Leon Arnts, MINLNV
28	Max Simelink, MINLNV
29	Rob van Oosterom, VWA
30	Paul Wever, GD Deventer
31	Arjen Simons, Alterra
32	Lan Ge, LEI
33	Gerbert Oosterlaken, LTO
34	Hugo de Groot, KNMvD
35	Jos Klessens, COV
36	Anne Corine Vlaardingerbroek, CBL
37	Piet en Anneke de Olde
38	Marieke de Olde
39	Hanne De Witte
40	Kris van 't Klooster
41	Maarten Voors
42	Ellen Jansen
43	Chris de Bruijn
44	Stefan Sand
45	Stefan Sjoers
46	Rosanne Vijzelaar
47	Ted Hilderink
48	Lianne Zonneveld
49	Karlijn Ettema
50	Noor van Schayk
51	Nick Schoemaker