



Algemene gegevens	
PPS-nummer	AF 16117
Titel	Enhancing the South Korean pig supply chain
Thema	Internationalisering
Uitvoerende kennisinstelling(en)	Wageningen Economic Research, Wageningen Livestock Research
Projectleider onderzoek (naam + emailadres)	Mr Robert Hoste - robert.hoste@wur.nl
Penvoerder (namens private partijen)	Mr Mark Janssen - markjanssen@fancom.com
Contactpersoon overheid	
Startdatum	1-1-2017
Einddatum	31-12-2020

Goedkeuring penvoerder / consortium	
De penvoerder heeft namens het consortium de jaarrapportage	<input checked="" type="checkbox"/> goedgekeurd <input type="checkbox"/> niet goedgekeurd
Evt. opmerkingen over de jaarrapportage:	

Korte omschrijving inhoud/doel PPS
<p>Zootechnical, animal health, food safety, and environmental performance of the pig sector in the Republic of Korea (South Korea) is problematic. Innovation development, knowledge sharing, and (veterinarian) management in the South Korean pig supply chain need to be improved to tackle the problems related to production performance on these aspects.</p> <p>Using Dutch knowledge sharing and innovations systems and state-of-the-art knowledge on pig husbandry as a basis, this project aims to tackle the problems on these aspects in South Korea, by establishing an innovation and knowledge sharing system between pig producers and between pig producers and supply chain partners. Different means of knowledge sharing in the Korean pig industry are being tested, in order to optimize knowledge sharing for improved pig production.</p>

Resultaten
<p>Three forms of learning and knowledge sharing among pig producers will be tested on their effectiveness in South Korea:</p> <ul style="list-style-type: none">- Mastery learning by setting up a Pig Development Centre in South Korea as demonstration farm where virtual open days will be organised. Status: in 2017 a farm has been identified and necessary adaptations are made. The first open day will take place in Spring 2018.- Instruction/coaching learning by trainings to South Korean pig producers and advisors. The trainings are focused on the state-of-the-art technologies and management practices for professional pig farming. The advisors will also receive training to improve their coaching role. Status: In October 2017 the first training for 9 advisors took place in The Netherlands. From the feedback of the group it can be concluded the trainees were generally satisfied about the training. For 2018 two more trainings are planned, one for farmers (May 2018) and one for advisors (October 2018).

- Cooperative learning by setting up study groups of pig producers in South Korea. The pig producers that have been on training in The Netherlands will be organised in study groups, aiming to exchange knowledge on pig production. Status: After the training of the first group of pig producers a study club will be established, starting before the Summer of 2018.

These innovations and knowledge sharing interventions will be designed based on the results of a study on learning styles and social competences among about 500 South Korean pig producers. Status: In 2017 a baseline survey was developed: an extensive questionnaire including some basic information on farm characteristics, current farm practices and management capacities, learning styles and social competences, challenges and risks, investments, trust, support and training. These questions were translated to Korean and back into English to check for correctness of the translation. Currently the survey is being finalised. The survey is being taken with about 400-500 Korean pig farmers. Planned activity for 2018 is analysis of the baseline as soon as the data are received.

A software tool will be developed for bidirectional information exchange (benchmarking) between pig producers and meat industry. Status: This activity has to be started yet.

Further the following activities were performed in 2017:

- Kick-off meeting in Wageningen with all project partners. To achieve conformity and consensus of the project, aims and approaches were extensively discussed.
- The project leader Robert Hoste visited South Korea; he discussed with the Korean project partners, visited the demonstration farm, and gave four presentations
- A short analysis was performed with observations and suggestions for the South Korean pig sector.
- Robert Hoste has been interviewed by Nongmin Newspaper (June 2017) and KBS Television (broadcasted October 2017). And an interview with him about the project was published in the Dutch journal 'Nieuwe Oogst'.
- Dr Min, former vice Minister Agriculture in South Korea, visited the Netherlands for a 1-year sabbatical period in order to get to know the Dutch agriculture.
- Two students, one South Korean and one from The Netherlands, worked in the project on evaluation of the training, and management support respectively.

Wat levert het project op?

This project aims to result in improved zootechnical performance, food security, food safety, animal health situation, and environmental impact in the pig meat supply chain in South Korea, due to implementation of the innovation and knowledge sharing arrangements. The project aims to increase farm income, to increase zootechnical performance with at least 1 pig slaughtered per sow and year, substantially reduce antibiotics' use, improve the animal health situation, and substantially decrease CO₂ and NH₃ emissions.

Dutch pig supply chain companies will be able to strengthen their export position to South Korea, because the Dutch partners can show their knowledge and products to organizations in and around the South Korean pig sector.

Of scientific interest are the learning styles and social competences of South Korean pig producers and the effectiveness of innovation and knowledge exchange arrangements.

Project results are potentially interesting for other animal sectors in South Korea and for other Asian countries.

Aantal opgeleverde producten in 2017			
Wetenschappelijke artikelen	Rapporten	Artikelen in vakbladen	Inleidingen/ workshops
0	0	2	4

Bijlage: Titels van de producten of een link naar de producten op een openbare website

- Zuid-Korea als springplank naar heel Azië: interview projectleider Robert Hoste in Nieuwe Oogst, 16 December 2017 <https://www.nieuweoogst.nu/nieuws/2017/12/14/nederlanders-jagen-zuid-koreaanse-varkenshouderij-aan>
- De productiviteit van Koreaanse varkenshouderijen, een groot verschil met die van Nederland: interview projectleider Robert Hoste in Nonming Newspaper, June 2017
- TV interview Robert Hoste KBS (Korean Broadcasting System) about Smart Farming. Link: <https://youtu.be/eEzWGzN9Ntg> (starts at 2'); broadcasted October 8, 2017.

Het project is zichtbaar op KennisOnline via onderstaande link:

<https://www.wur.nl/nl/project/AF-16117-Enhancing-the-South-Korean-Pig-Supply-chain-1.htm>