UNLOCKING THE VALUE OF DATA IN THE FATTENING PIG SECTOR

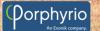


VIA INTERNET OF THINGS

CHARI VANDENBUSSCHE, ILVO, BELGIUM

August 28 2019











STARTING POINT

I have different monitoring machines that generate data. How can I combine them? I have a lot of data, but don't use it.

I only know when a problem has occurred when it is already too late.

I want an easy overview of my farm in one tool.



I want to combine on-farm data with slaughterhouse results.













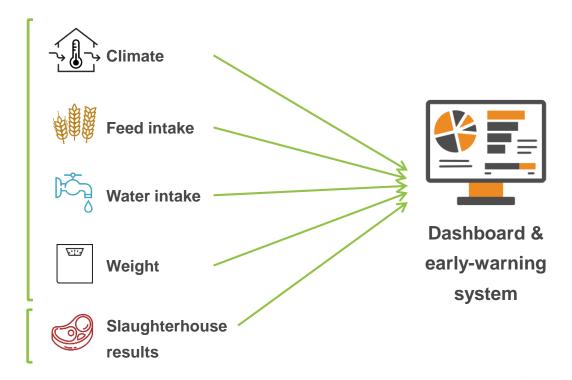
PROJECT OBJECTIVES

On-farm data

- System independent
- Real-time



Slaughterhouse data







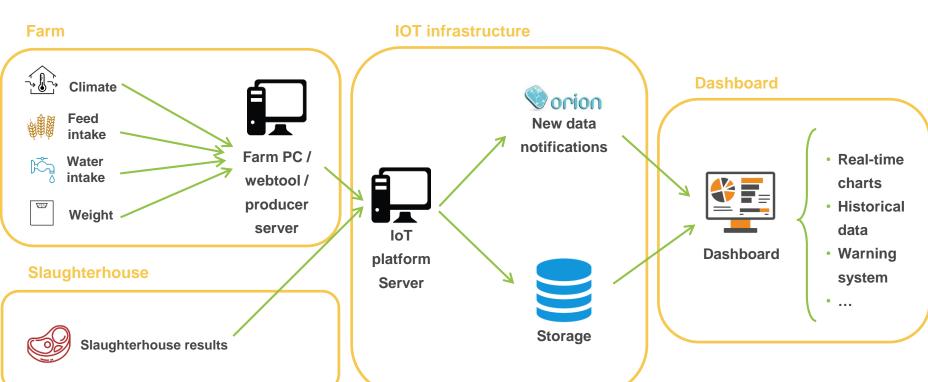








PRODUCT IOT STRUCTURE







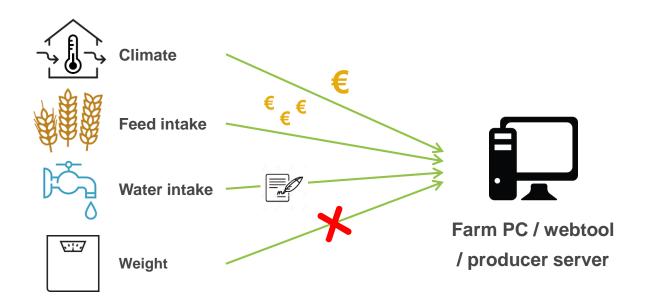








PROBLEMS ENCOUNTERED DATA OWNERSHIP









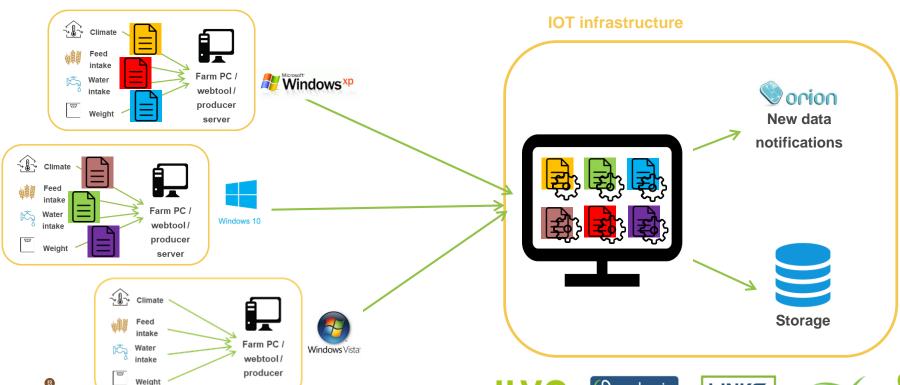






PROBLEMS ENCOUNTERED HETEROGENEOUS DATA & SYSTEMS

server





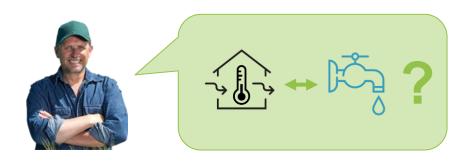


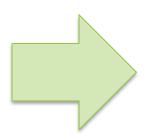






PROBLEMS ENCOUNTERED DETERMINING IMPORTANT INFORMATION





- ✓ Water usage
- ✓ Temperature



- ✓ Number of animals
- √ Feed intake
- ✓ Feed composition
- ✓ Age of animals
- **√** ...





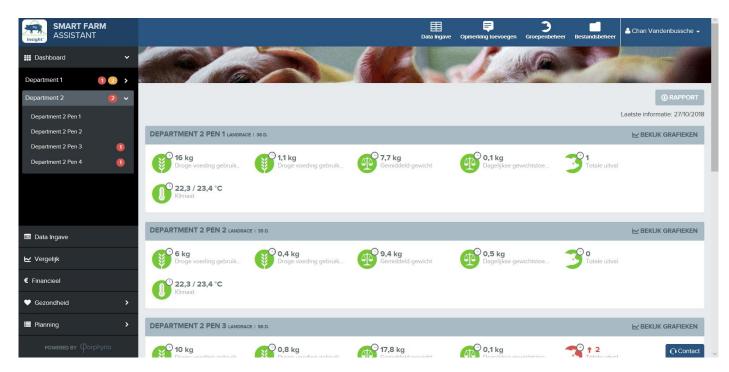








PRODUCT DEMO VERSION















PRODUCT DEMO VERSION







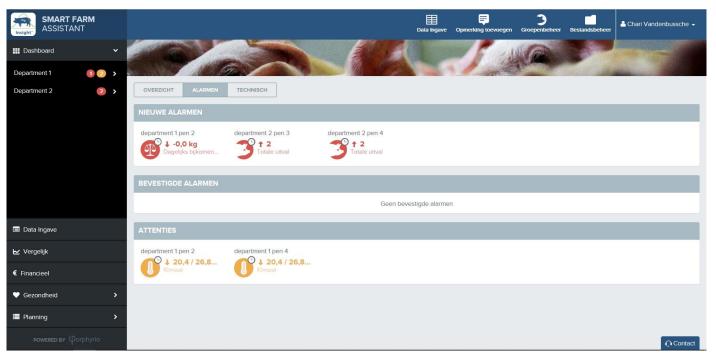








PRODUCT DEMO VERSION















PRODUCT USER FEEDBACK

1. Need for aggregated data to keep overview

2. Automatic start-up of fattening rounds based on acquired data















PRODUCT CURRENT STATUS & FUTURE WORK



Version 1

September – November 2019

- Release of version 2, including:
 - Early-warning system
 - Department level data
 - Automatic start-up of rounds













CONCLUSIONS

- 1. Need for standardized procedures to get data
 - Uniform data availability
 - Clarity about data ownership
- 2. Need clear overview and ease-of-use of product

 - Fully automatic



CONTACT INFORMATION



Chari Vandenbussche

chari.vandenbussche@ilvo.vlaanderen.be



Francesca Renzi

francesca.renzi@porphyrio.com



Teodoro Montanaro

teodoro.montanaro@linksfoundation.com



Daniëlle Aarts-van de Loo

danielle.aarts@zlto.nl



Ronald Klont

ronald.klont@vionfood.com



