



# Pilot chain 1:

# Optimisation of animal health management

Susanne Ellebrecht and Detert Brinkmann

## Objective

The pilot chain focuses on the quality increase of piglet production and pig finishing in a sustainable way. For that an animal health status of piglet producing farms will be defined. In addition, a defined health status should support incentives to reduce the application of pharmaceuticals and strengthen the competitiveness within the pig production in this region.

## Acknowledgement

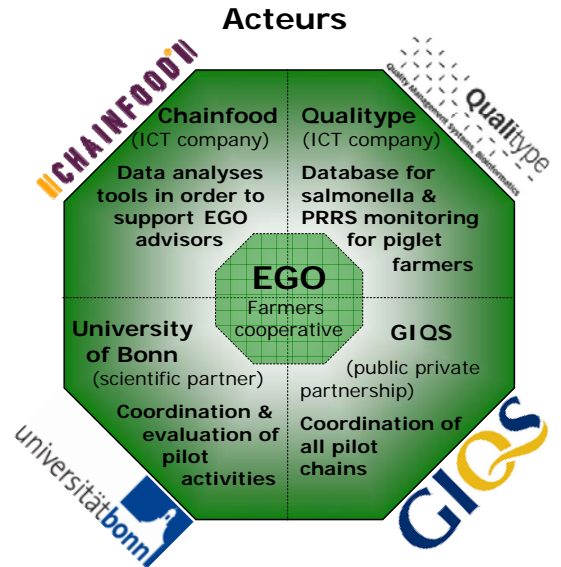
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## Farmer's cooperative Osnabrück

**Capacity:**  
458.000 pigs;  
Slaughter: 160 pigs/hour;  
8.500 cattle;  
50.000 to fresh meat  
**Turnover:** in group  
(consolidated)  
120 Mio. Euro  
**Staff:** 200  
(year 2007)



Divisions of the farmer's cooperative	
<b>Processing</b> Kinnius GmbH & Co. KG	
<b>EGO Schlachthof</b> Georgsmarienhütte GmbH & Co. KG (slaughterhouse)	
<b>Erzeugergemeinschaft für Schlachtvieh</b> (farmer's cooperative for finishers – pigs and cattle) im Raum Osnabrück eG	
<b>Erzeugergemeinschaft für Qualitätsferkel</b> (farmer's cooperative for piglets) im Raum Osnabrück eG	



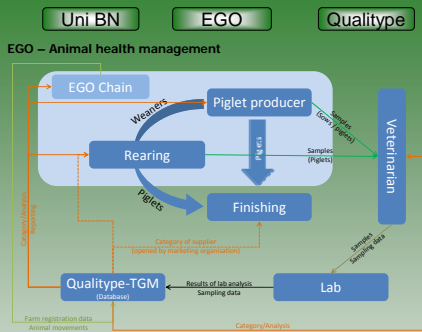
## Progress

2008

2009

June 2010

### Activity 1: Monitoring of PRRS and Salmonella in piglet production



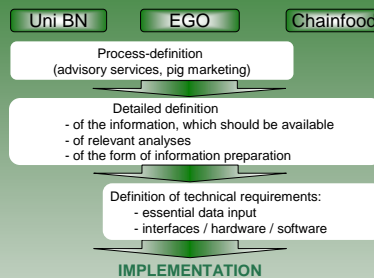
EU FP6 Q-PorkChains Brinkmann, ITW Uni Bonn

**Status:** At the moment this system is implemented for Salmonella and the online testing phase is running. The programming of the PRRS-database will take until spring next year, because of the higher complexity of this disease.

Module 4 researchers supported the development of a categorization scheme for farms and the data analysis. Modeling of information flows was a scientific task as well.

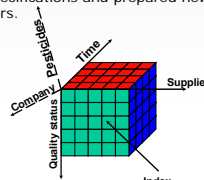


### Activity 2: Development of new tools for various real-time data analyses and better performance

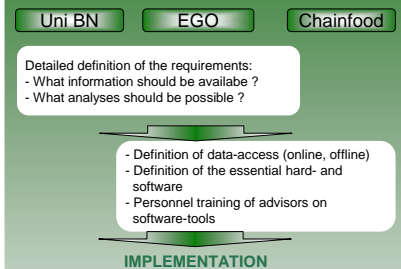


**Status:** OLAP (online analytical processing) analysis tools are adjusted to the quality requirements of the EGO meat brand program and the demand of advisory services. Data quality has been optimized by new plausibility analyses. Using this customized tools advisors are now able to perform strategic analysis during their work on finishing farms and in their office. Through facilitation by five standard analyses a fast overview of the process and product quality on farms can be achieved visually through diagrams and spread sheets. Important information are slaughter weight, lean meat percentage, backfat and loin thickness as well as results of meat inspection.

Module 4 researchers worked out quality criteria, designed standard analyses (incl. plausibility criteria) adapted to EGO specifications and prepared new training courses for advisors.



### Activity 3: Optimisation of decision-support tools concerning animal health questions using a mobile office



**Status:** In this activity a new reporting portal has been developed to facilitate the semi-annually reporting (also on demand possible) for finishing farms. Through a quality oriented analysis farmers can now get a fast overview about slaughter performance and economic optimisation potential of their delivered pig, not only in general, but also specific to gender. This portal is online available. Based on quality requirements and slaughter data a newly designed supplier index allows a ranking of finishing farms performance in the EGO meat brand programme.



### Activity 4: Evaluation

The evaluation of the activities will be performed in the end of the pilot chain period. It has not started yet.

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