

## Background and Objectives

### Exchange of Knowledge

In the Quarisma project Researchers from Academia will be seconded to Industrial partners vice versa. After the exchange period, they go back to their home institution. Hence there will be a double transfer of knowledge and expertise between Industry and Academia. The research focus is linked to evaluation and education methods as well as integrated strategies of competent networking and innovation management. QUARISMA is funded by the IAPP (Industry-Academia Partnerships and Pathways) Programme, which is an element of the specific Programme Marie-Curie Actions of the EU 7th Framework Programme

### Interdisciplinary Research Activities

QUARISMA has three interrelated research priority areas, which can be identified (see figure). These areas are:

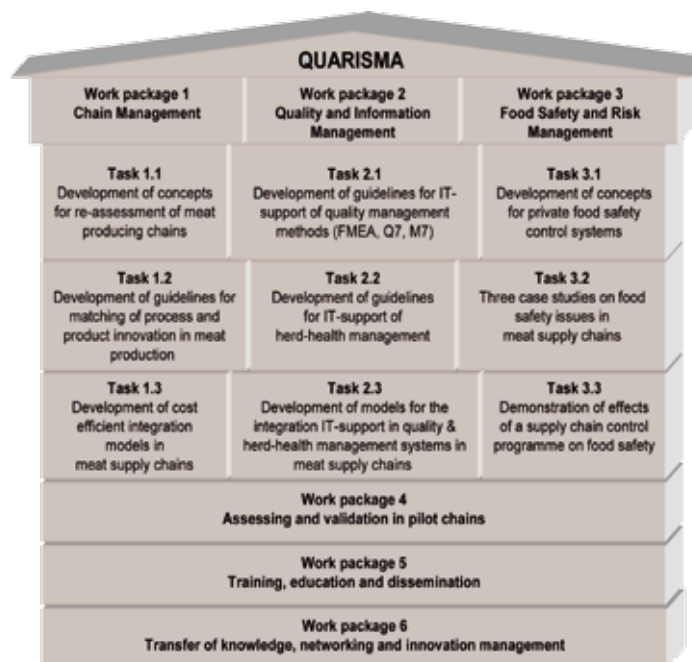
- Chain management,
- Quality and information management and
- Risk management and food safety.

The transfer of knowledge to different actors in the field of expert of Quarisma is organized in the three horizontal work packages:

- Assessing and validation in pilot chains,
- Training, education and dissemination and
- Transfer of knowledge, networking and innovation management.



The “Chain Management” work package will develop concepts for reassessment of meat producing chains, guidelines for matching of process and product innovation in meat production and costs efficient integration models in meat supply chains.



In work package 2: “Quality and Information Management” guidelines for IT support of quality management, guidelines for IT support of herdmanagement and models for the integration IT support in quality & herd management systems in meat supply chains will be developed.

New concepts for private food safety control systems will be designed in the work package “Food Safety and Risk Management”. In addition, three case studies on food safety issues in meat supply chains will be conducted and a demonstration of the effects of a supply chain control programme on food safety will be held during the running time of the project.

## Halfway the Project Period

Halfway the project researchers are seconded from University of Bonn to VION, Agri-Q and EGS, and from Agri-Q to Wageningen University. From Wageningen University researchers will soon be seconded to VION and EGO. The activities on Chain Management will start at the end of 2011 with implementation of a sustainability model at the Deutsche Raiffeisenverband (DRV), a study on effective use of information in planning, and logistics modeling and optimization in meat chains and a study on the cost efficiency of measures to limit outbreaks of Classical Swine Fever in Lower Saxony.



Work in Quality and Information Management is currently focused on the value and use of serological data and observation obtained in an abattoir together with production- and health data in knowledge management in the pig farms and the whole meat chain. Other activities will start soon.

The objectives Risk Management and Food Safety are to improve food safety by developing and introducing new elements into the supply chain oriented management system.

## Partners from Industry and Academia

For this purpose several studies were done:

- 1) A structured approach was developed to compare the microbiological quality of minced meat produced in different production plants,
- 2) Validation of a serological screening method for *Mycobacterium Avium* was tested.
- 3) A boar taint detection method was developed and validation was started.
- 4) *Listeria* growth potential and risks were assessed in different meat products.
- 5) An alternative system for disinfection of slaughter equipment to replace 82°C water was investigated to improve microbiological quality of slaughter equipment.
- 6) Data from a past dioxin incident in pork were analysed to distil the lessons to be learned.
- 7) Studies were done to improve the knowledge of *Salmonella* control in slaughterhouses.



In the Training, Education and Dissemination Revision package lecture materials of the 'Quality Systems Manager Junior Programme' (QMJ) University of Bonn, main mandatory module in the programme according to the EOQ Qualification profile were revised and updated under consideration of the

work in the QUARISMA project, laboratory procedures and test were optimized and the HACPP concept was revised.

A pilot qualification EOQ qualification program at the University of Wageningen was established. The expected impact is an improved education in the qualification QMJ and better qualification on the international job market. Additional qualification for students in the area of quality management will be possible at Wageningen University and in industry courses.



The Quarisma project is coordinated by:



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## Sharing Knowledge and Expertise between Industry and Academia

Quarisma:  
Halfway the  
Project Period

