Adoption of the QM Qualification "Quality Systems Manager Junior" in Meat Chains

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QUARISMA

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- New National Representative of EOQ in the Netherlands





Project Partners





















Exchange of Knowledge

22 researchers will be **exchanged**between the **industrial and academic partners** *and*4 international researchers will be **recruited**.

Minimum 70% is cross-border exchange

The period of the exchange is between 2 and 24 months. Researchers from Academia will be seconded to Industrial partners vice versa. After the exchange period, they go back to their home institution.





Joint Research

The focus of the research within QUARISMA is linked to evaluation and education methods as well as integrated strategies of competent networking and innovation management. Three interrelated research priority areas are identified:

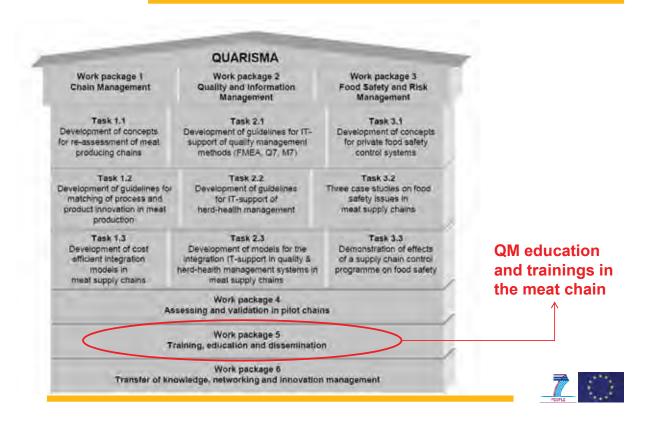
- · Chain management
- Quality and information management and
- Risk management and food safety

Further general information about QUARISMA can be found in the short paper of Lang, Brinkmann & Petersen





Position in the project





Partners and their Project Role



coordination and international adjustment NL-D-EU

academic QM courses and trainings (integrated in BSc and MSc Programs)

job oriented QM training & courses for professionals

testing & validation of developed QM training modules



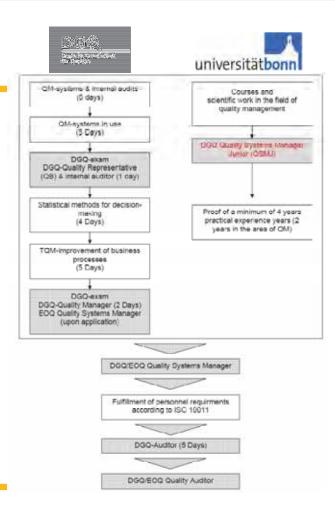


Tasks within WP 5

- 1. Status analysis of applied QM methods in the meat chain
- 2. Estimation of requirements and competences of quality managers in organizations/enterprises of the meat chain
 - expert interviews
- Comparison of actual subjects in QM qualification courses at WUR and UB
- Adjustment of QM qualification subjects to EOQ criteria of QMJ
 QMJ modules on EOQ level at universities
- Test and Validation of developed EOQ-QSM Junior program as part of career improvement in agriculture and food sector
- 6. Estimation of QM methods and qualification criteria used in monitoring and testing institutions
- 7. Development of monitoring strategies and risk management concepts (HACCP) for testing institutions (laboratories etc.)

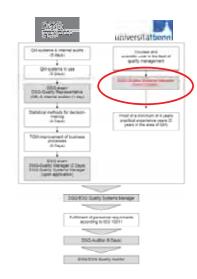


Qualification path of **DGQ German Association** for Quality and the **University of Bonn**



Additional qualification UARISMA DGQ Quality Systems Manager Junior (QSMJ)

- Accredited DGQ/EOQ qualification scheme at 13 Universities in Germany since 1996 -> advisory committee "Research + Teaching"
- Qualification scheme with specific courses and exams in 3 blocs
 - Bloc I Lectures and exercises (min. 100 hours)
 - Bloc II Seminars and group work (min. 40 hours
 - Bloc III Practical activity (min. 200 hours)
- All blocs are covered by specific course modules and the associated exams at the universities (accredited by the DGQ)



- One professor as authorized coordinator at each university
 - -> member of advisory committee "Research + Teaching"





QSMJ qualification at the **University of Bonn**

Bloc I: Lectures and exercises			
Required course	Optional courses		
Quality management in agricultural and food	Cold Chain Management		
economy	Product and Process Quality		
	Specific aspects of the quality of animal products		
Bloc II: Seminars and group work			
Required course	Optional courses		
Quality management in agricultural and food economy Seminar* (Use of quality management tools)	Cold Chain Management Seminar* (temperature mapping and innovative tools) Practical course* (Issues of cold chain management for plants and foods of animal origin)		
	Product and Process Quality Seminar* (Product Quality Management)		
	Specific aspects of the quality of animal products Seminar*		
Block III: Practical activity			
Master thesis (in the field of quality managemen	t)		

related to the mentioned courses in bloc I

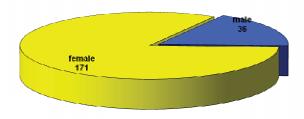




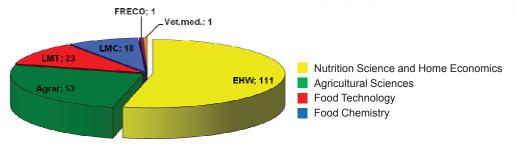




Graduates female/male (n=207)



Graduates (n=207)



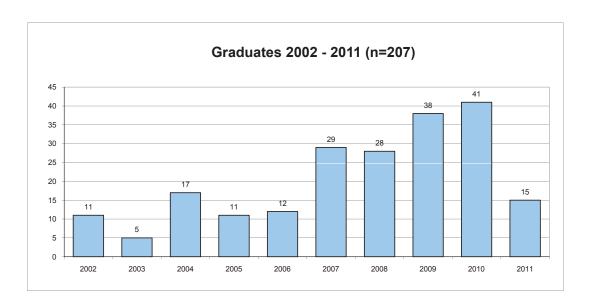
Last updated: May 2011





QUARISMA Graduates of QSM Junior at





Last updated: May 2011







Revision of the qualification QSMJ at the University of Bonn

- Adjustment of the qualification QSMJ to the master study program at the University of Bonn, taking into account the EOQ qualification profile for the education of an EOQ Quality Auditor
- Revised qualification scheme accredited by the DGQ in February 2011
- Open for the following study courses:
 - MSc Agricultural Science
 - MSc Nutrition and Food Science
 - MSc Food and Resource Economics and Management
 - Food chemistry (state examination)
 - Until 2013 also open for the expiring diploma study courses Agricultural Science, Nutrition Science and Home Economics as well as and Food **Technology**





Actual academical QM courses at university level





MSc Food Quality Management

subjects

MSc Agr Science / MSc Food + Nutrition Science

academic qualification, branches

orientation

academic qualification,

DGQ (national)

certificate

QSMJ Quality Systems Manager

Junior (DGQ)

Dr. Pieternel Luning

coordination

Prof. Dr. Petersen

Common EOQ oriented QSM Junior Program





Adoption of EOQ criteria to QM education in meat chains

- 1 Quality Management
- 2 Organization of quality function
- 3 Process management principles
- 4 Quality improvement techniques
- 5 Resource management
- 6 Quality in logistics and sales
- 7 Design and development in process management
- 8 Purchasing and subcontracting
- 9 Production and service process
- 10 Monitoring and measurement of process /product
- 11 Data collection and analysis
- 12 Inspection, testing and metrology
- 13 Control of nonconformity
- 14 Social aspects

EOQ criteria for QM education & trainings

15 Legal and regulatory aspects

15 criteria for Food Quality Systems Manager Junior



Inventory of Courses for QSM Junior in meat chains





QUARISMA 15 EOQ Qualification criteria - examples

No.	Topic	Subjects	Qualification criteria	Level *
1	Quality Management			В
		Basic management principles	Decision making, Planning, Organizing, Human resources,	
			Reviewing	
		Standards	ISO 9000,ISO 9001 and 9004	С
		Quality management principles	Importance of systematic quality approach for society, interest	С
			of producer, consumer and government and for the	
			environment; Use of QM principles	
		Concepts	Quality of all production/enterprise areas, TQM, QMS and	В
			auditing	
		Quality policy	Quality as a profession and as a management task,	В
			management by objectives, quality reporting/accounting and	
			policy formulation	
		Organizational concepts	Organisational principles, organisational structures of	В
			responsibilities, tasks and competences	
		Policy Making	Vision and mission, strategy and policy, objectives and	В
			operational objectives	
		System-approach of managing	Models of management, effectiveness and efficiency, project	В
		organisations	management	

QUARISMA 15 EOQ Qualification criteria - examples

No	Subject	Qualifcation criteria	Level
2	Organization of the quality function		
	Organization	Delegation of responsibilities, co-ordination of tasks	С
	Co-ordination mechanism	Objectives, procedures, QMS documentation	С
	Auditing	Auditing and reviewing the organisations quality, product,	В
		process- and systems audits, principles of interview techniques	
3	Process Management principles	Process identification, planning, management and	С
		measurement/improvement	
4	Quality improvement techniques	·	•
	Organisation of an investigation	Programming, budgeting and process control	С
	Motivation	Theories of motivation in relation to quality	С
	Techniques	Planning of investigations, development and use of models,	С
		plan-do-check-act circle, "Seven Tools"	
	Observation	Observation methods, registration methods, observation	С
		errors	
	Interpretation	Interpretation of results of observations, signification of	С
		testing and estimating, etc.	





EOQ qualification criteria for QM education

QM basics 5 Resource Mar Q in design + development Production + service Statistics 14 Social aspect	8 Purchasing 10 Monitoring
Inspection	
	·

Level A= To understand and to be able to explain; Level B= In addition to A, to be able to indicate relevant methods and to apply them; Level C= In addition to B, to elaborate and integrate relevant methods and to interpret the results.



S. Lehnert, P.Luning 2011



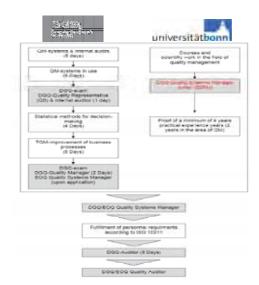
Competences of QSM Juniors

- Principles of quality management
- Introduction, maintenance and development of a quality management system
- Internal auditing
- Tools and methods of quality management and its application
- Decision making based on statistical data
- Active and successful organization of the process from quality management to total quality management in a company



QUARISMA Benefits of a QSM Junior certificate

- Evidence of extensive knowledge in the field of quality management
- Additional qualifications for career entry
- Time and cost savings compared to non-university education as "DGQ-auditor"

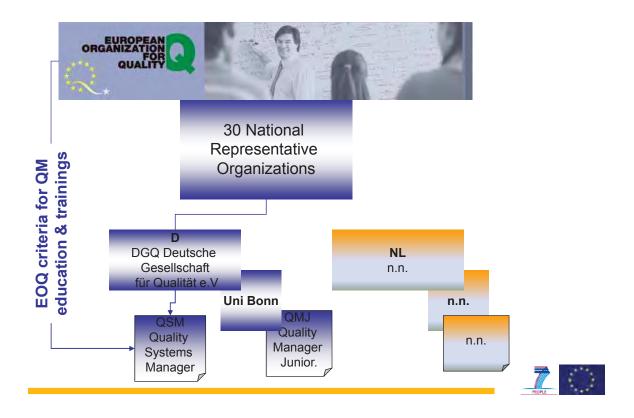








EOQ European Organization for Quality





EOQ Reqirements for National Representatives

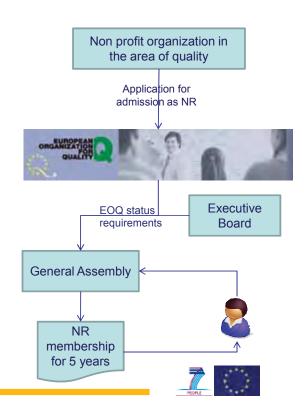
- Have been an EOQ associated or affiliated (non for profit) member for at least 3 years*
- Be able to demonstrate its Quality Management System
- Be willing to share its know how at European level
- Support and promote in an active manner EOQ key products and services in its own country
- Have a significant impact in its country in promoting Quality in its broadest sense
- Be willing to integrate the spirit of the vision and mission of EOQ into its own organization
- Formally commit to an active contribution and participation in EOQ activities
- Show data stating these criteria





How to become an EOQ National Representative

- The EOQ aims at having national representative organization in each European country
- Actually the EOQ has 30 National representatives





Rights and Duties of National Representatives

Rights:

- To be the official representative of EOQ in the country
- To have the exclusivity to distribute EOQ products/services
- To propose and develop EOQ projects
- To participate in the development of the EOQ policy
- To use the EOQ logo
- To attend the General Assembly (voting right)
- To be possibly elected as president or member of the Executive Board
- · To receive the EOQ news
- To participate at the EOQ Website
- To be informed on main events
- To receive discount on conferences and workshops

Duties:

- To share the EOQ charter as well as the statutes of EOQ
- Has the obligation to distribute EOQ products
- To attend the General Assemblies
- To actively transpose the EOQ mission, vision and objectives in its own country
- To pay its fees
- To support the distribution of EOQ certificates





Thank you!



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