

Developing and introducing a Sectoral Qualifications Framework for the European Construction Industry

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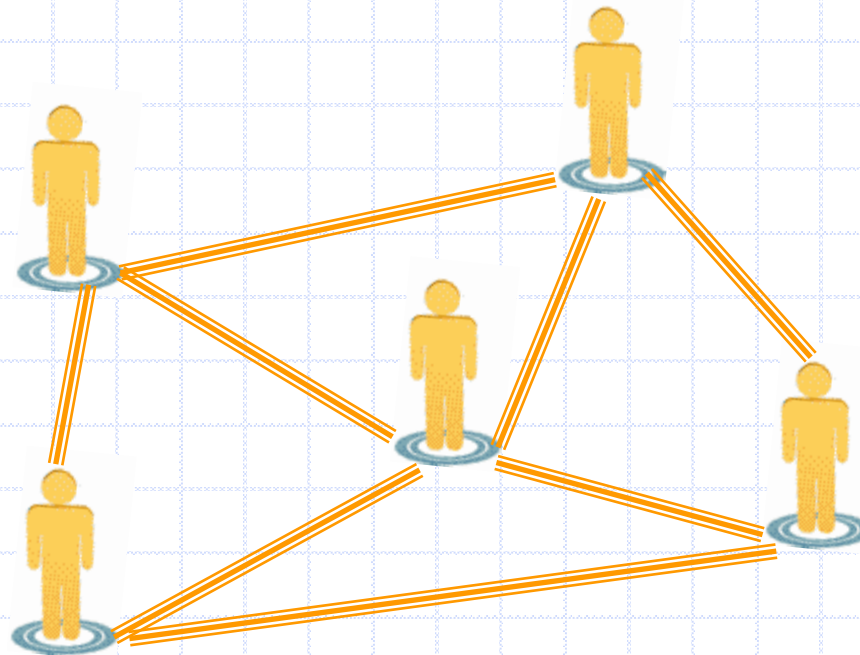
Title: Developing and introducing a
"Sectoral Qualifications Framework
for the European Construction Industry"
(Acronym: SQF-CON,
LdV-Project «137865-LLP-2007»-«DE-KA1EQF»)

Duration: 01.02.2008 – 31.01.2010

Result: Uniformed matrices for the European
Construction Industry

Characteristics of the project:
... elaborating a Sectoral Qualification Frame
... by promoting the idea in a strong network

SQF-CON Network





Italy, Roma, Formedil:



Netherlands, Groningen, GOA Infra:



Romania, Bucharest, Casa de Meserii a Constructorilor:



Brussels



BAQ, Research Institute, Bremen

BZB
Bildungszentren des Baugewerbes e.V.

Vocational Training Institute for Construction, Erfurt

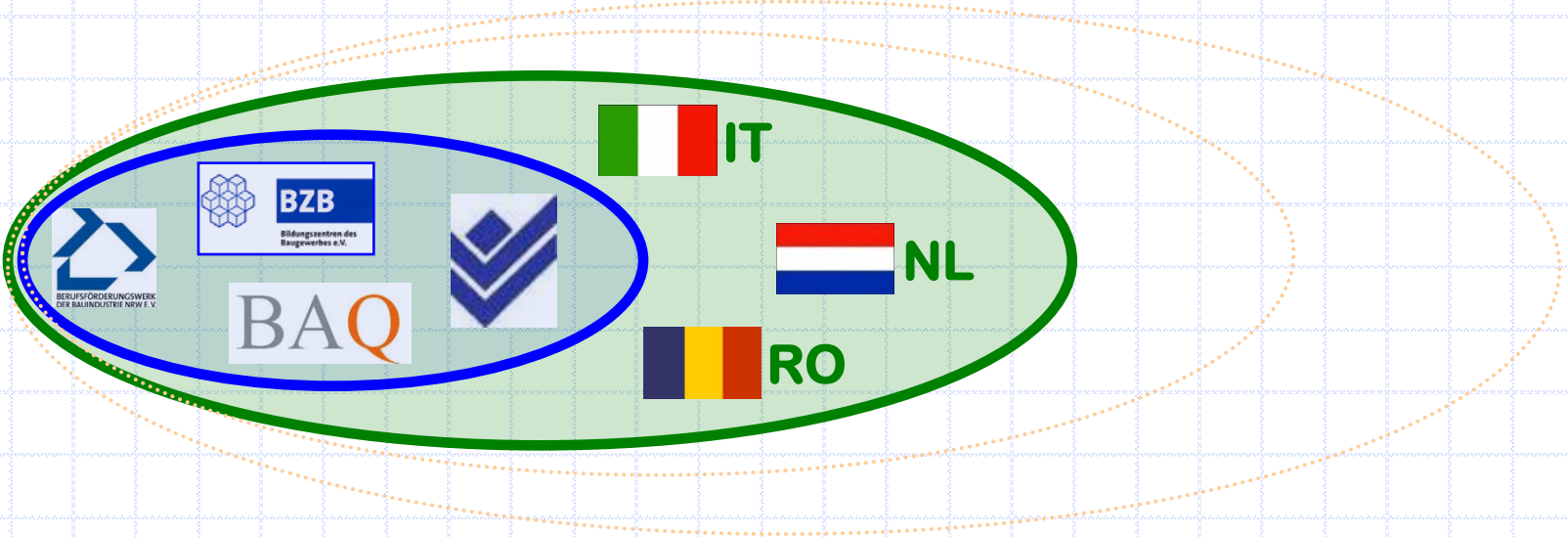
Supported by FIEC, EFBWW, HDB, ZDB

➤ German Core Group

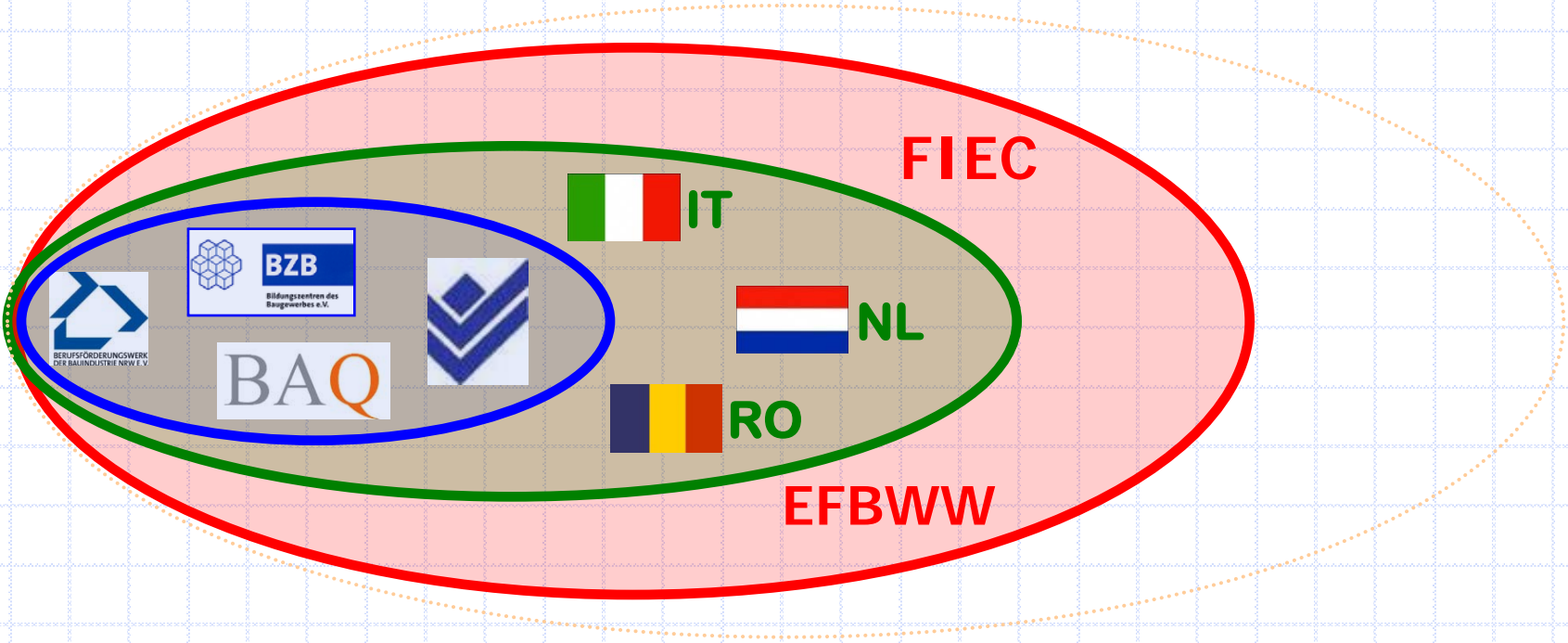


The German Core Group logo is a blue oval containing the logos of the following organizations: **BZB** (Bildungszentren des Baugewerbes e.V.), **BAQ** (Berufsbildungswerk der Bauindustrie NRW e.V.), and the logo of the Bauingenieurverband.

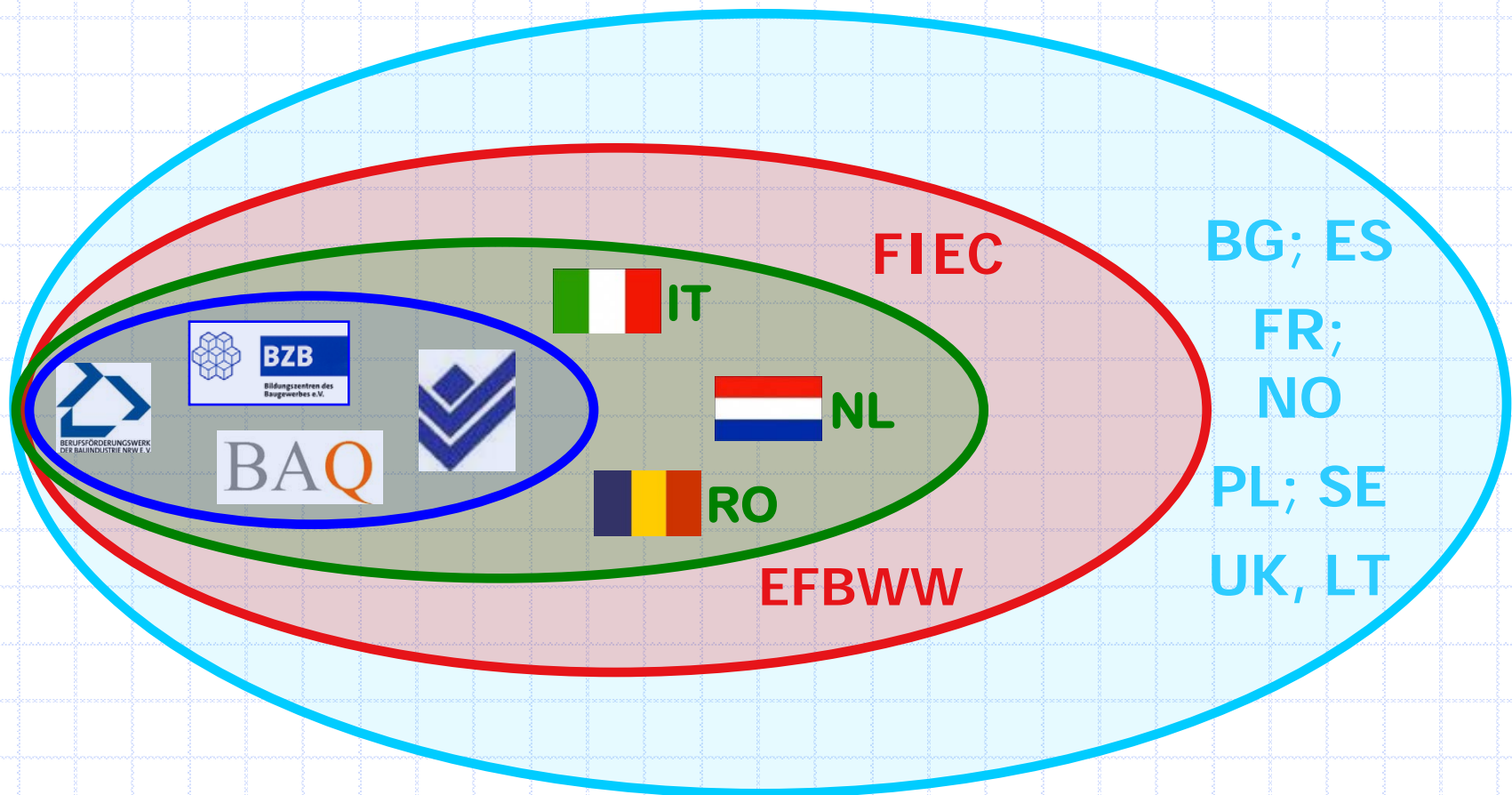
International Working Group



➤ *EU-Consortium*



➤ *International participants*



Preparation of work



➤ **German Core Group**
February and April 2008
*... preparation of framework: tasks,
responsibilities, WP time periods ..*

Development



1. International Working Group

Kerpen, June 2008

... *agreement on approach of*

- *procedure and division of labor,*

- introduction of a **Work-Phase-Plan** made by BAQ

Work-Phase-Plan

➤ Strict orientation towards
“learning outcome approach”:

... *what a learner knows and is able to do,
regardless where and how it was learned
and how long the learning process has
taken*

Gearing to the common EQF Grid:

- 8 levels (EQF) / 5 levels (SQF)
- 3 columns: knowledge, skills, competence
- aligning procedures

Work-Phase-Plan

To avoid, that the partners emanate from different building-sites,
the consortium agreed on following model:



1	Planning and w			
2	Setting out site			
3	Surveying			
4	Production			
4-1	-Building			
4-2	-Civil engineeri			
5	Check specificat			
5-1	-Cost estimatio			
5-2	Check specific			
5-3				
5-4				
5-5				

Residential area with 24 apartments



Work-Phase-Plan

Phases of construction		Levels worked out					
		1	2	3	3a	4	5
1	Planning and work preparation	-Phases were chosen by the SQF-Consortium, regarding the building project seen before					
2	Setting out site	•	•	•	•	•	•
3	Surveying		•		•		•
4	Production	-Tasks and duties of workers (qualification levels) regarding phases of construction, can vary concerning the size of firms and projects!					
4-1	-Building	•	•	•	•	•	•
4-2	-Civil engineering	•	•	•	•	•	•
5	Check specifications, final accept	- Duties and tasks of workers (qualification levels) can vary in different countries!					
5-1	-Cost estimation						•
5-2	-Check specification	-Furthermore the level of work experience can affect the assignment of workers!					
5-3	-Carry out quality inspections					•	•
5-4	-Carry out project's admin.						•
5-5	-Carry out final acceptance						•

2. International Working Group

Weimar, October 2008

- *development of a "prototype" matrix regarding the Work-Phase-Plan,*

- *placing of subtitles,*

Knowledge
Skills
Competence

Subtitles were chosen by SQF-CON Consortium!
Other criteria are possible!

- *preparing the 1. International FIEC Conference*

Sectoral Qualifications Frame for the Construction Industry in Europe (SQF-Con)

Phase: 1

Level: 4

Planning und work preparation

Knowledge („knows“)	Skills („can“)	Competence („is able to“)
<p>Tools, equipment Knows all relevant tools and equipments needed on site</p>	<p>Execute logical operations (cognitive skills) Can read construction plans and can give suitable orders especially for his divisions</p>	<p>Manage, control Is able to manage several divisions of a site so that quality, delay and amount of work as well as variations, offering alternative solutions is met including control processes</p>
<p>Rules, norms, regulation Knows all relevant standards, associations, laws, arrangements and rules in essence, e.g. the task of planned activities, enforcements of audits, bill of quantities for special or additional capacities</p>	<p>Planning, organising Can specify all essential site activities especially in his division Can calculate the required floor space for several building materials and excavations on the building site</p>	<p>Take responsibility Can take responsibility for the result of his divisions and performances</p>
<p>Procedures Knows the proceeding of construction projects and time tables</p>	<p>Execute practical operations (practical skills) Can understand planning, assess performances and feasibility</p>	
<p>Frame of action, actors, interfaces Knows the responsibilities, roles, competence, rights duties and way of work of other involved actors</p>		
<p>Material Knows all relevant materials needed on site especially for his division</p>	<p>Communicate Can give to and receive from other actors involved all information necessary to plan and run a site</p>	

Development of matrices regarding the “SQF-CON Work-Phase-Plan”

1. European SQF-CON Conference

Brussels, 20. January 2009



- presenting preliminary results and matrices



3. International Working Group

Groningen, April 2009

- revising the preliminary matrices technically as well as editorially



Dissemination



Dissemination towards countries which are not active partners within the project

SQF-CON:

e.g. BG, FR, NO, LT, PL, SE, UK

- Presenting and informing
- Questioning and participating

Forschungsinstitut für Beschäftigung Arbeit Qualifikation 

Sectoral Qualifications Framework for the Construction Industry in Europe

Project "Developing and Introducing a
Sectoral Qualifications Framework
for the European Construction Industry
(SQF-Con)"

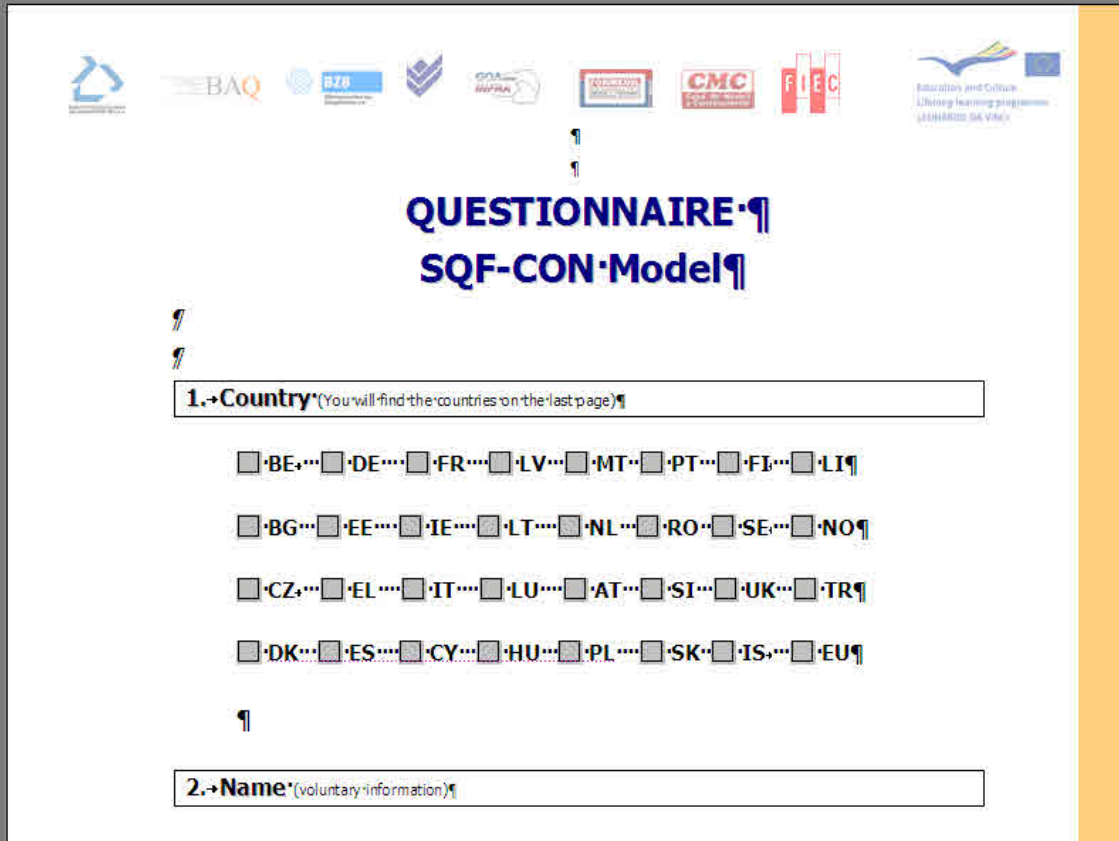
Final report of the Working Group



Bremen, April 2009



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The form contains the following logos at the top: BAQ, BZB, GOA INFRA, CMC, FIEC, and Education and Culture DG Lifelong Learning Programme LEONARDO DA VINCI.

QUESTIONNAIRE ¶ SQF-CON Model ¶

¶

1. → Country* (You will find the countries on the last page) ¶

·BE... ·DE... ·FR... ·LV... ·MT... ·PT... ·FI... ·LI ¶

·BG... ·EE... ·IE... ·LT... ·NL... ·RO... ·SE... ·NO ¶

·CZ... ·EL... ·IT... ·LU... ·AT... ·SI... ·UK... ·TR ¶

·DK... ·ES... ·CY... ·HU... ·PL... ·SK... ·IS... ·EU ¶

¶

2. → Name* (voluntary information) ¶

Final steps



2. European SQF-CON Conference

Brussels, 01. October 2009



- Guidance Tool*
- Reporting on "Disseminations-Travels"*
- Results of questionnaires*

Desired result:

**Agreement on a SQF-CON in the
whole European Construction
Industry**



Please send any further questions to:

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Thank you ...