

COMPETENCE – Matching competences in higher education and economy:

Experience Compilation

Partner: University of Zenica



Overview of experience

Short name	Competence assessment	Competence catalogue	Pilot study
QA A2B	x		x
QA IntEv	x		
AlumniEv		x	X
SMENA		X	X
JMS	X		x

Experience 1: *QA A2B*

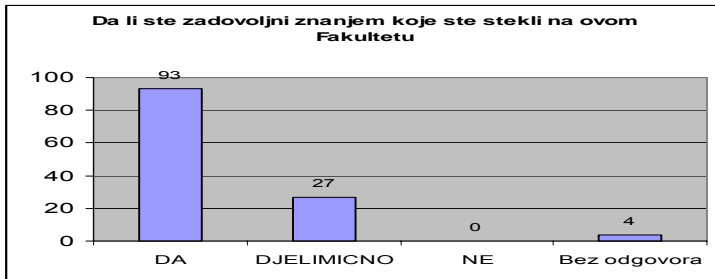
- ▶ **Full name:** Quality Management Procedure For Promoting University - Enterprise Cooperation
- ▶ **Type of activity:** Tempus_SCM-C024A06-2006-07
- ▶ **Methodology:** Redesigning curricula in regard to better links to private sector needs

Announced one of best 33 EU project in 2008!

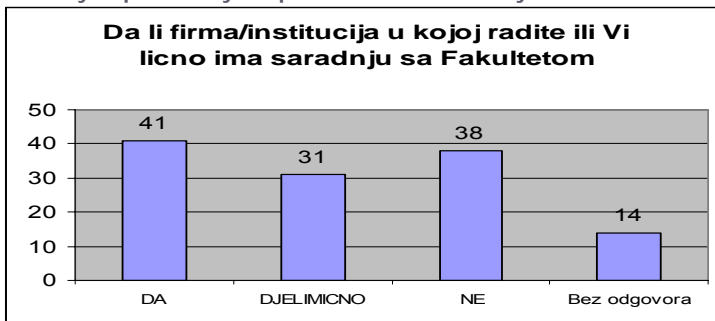
Experience 1: *QA A2B*

► Results: 10 leading companies, 50 alumnis, biannually

Are you satisfied with the knowledge acquired at this Faculty?



Does the Firm/Institution in which you work or do you personally cooperate with the Faculty



In which fields would you like to broaden your knowledge

Fields	Number of answers	Percentage
technologies	13	6,03%
energetic	23	10,66%
ecology	17	7,87%
maintenance	36	16,67%
construction	37	17,13%
informatics	51	23,61%
design	30	13,88%
quality	4	1,85%
management	3	1,38%
traffic safety	1	0,46%
mechanotronic	1	0,46%
Total	216	100%

► Website: n/a

Experience 2: *QA IntEv*

- ▶ **Full name:** Quality Assurance Internal Evaluations
- ▶ **Type of activity:** Strengthening Internal Capacities
- ▶ **Methodology:** Internal Evaluation

Experience 2: *QA IntEv*

- ▶ **Results:** 4 consequently led internal evaluations and 152 developed procedures, 40 officially introduced, 12 financial indicators, 7 faculties integrated QA managers
- ▶ **Website:** www.unze.ba

Experience 3: *AlumniEv*

- ▶ **Full name:** Evaluating Alumni feedback from business environment needs
- ▶ **Type of activity:** Research
- ▶ **Methodology:** Qualitative field research and matchmaking

Experience 3: *AlumniEv*

► **Results:** ensuring quality of exit competences and preparatory actions for entrepreneurial university

- Development of quality system in accord with ISO and ENQA standards for an integrated university,
- Opening **new study sections of design and technologies in wood processing and metal processing** at the UNZE Faculty of Mechanical Engineering industry, then the **section of chemical engineering** at the UNZE Faculty of Metallurgy and Materials, re-engineering the existing CC-s and putting in accord with ECTS,
- Development of the **Centre for Excellence in wood processing** industry at UNZE, through the project with Swiss Government from Bern;
- Development of **Start – up Centre** at UNZE through the project with Holland Government and agencies ATA and Spark, then with the net of local and regional partners;
- Development of the **Centre for Innovation and Entrepreneurship** at UNZE, through new Tempus JEP project;
- Opening new study sections on undergraduate and postgraduate level, with new CC-s at Faculty of Law, Faculty of Economics, Faculty of Education, Faculty of Mechanical Engineering and Faculty of Metallurgy and Materials;
- activities in the process of forming of Technological Park Zenica;

► **Website:** n/a

Experience 4: *NeedsAssessment*

- ▶ **Full name:** SME Sector Development Obstacles and Needs Assessment
- ▶ **Type of activity:** Research qualitative
- ▶ **Methodology:** Survey 200 SMEs and 24 key stakeholders

Experience 4: NeedsAssessment

► Results:

NEEDS	Qualified Labor Force & Consultancy	Qualified Labor Force & Consultancy	Qualified Labor Force & Consultancy
	<i>sufficient access in general</i>	<i>access to technology</i>	<i>access to training, consultancy, coaching</i>
Yes / No			
Yes	71,40%	78,60%	73,00%
No	28,60%	21,40%	25,90%
<i>Not Qualifying</i>	<i>0,00%</i>	<i>0,00%</i>	<i>1,10%</i>
	100,00%	100,00%	100,00%

NEEDS	Vocational Education	Vocational Education	Vocational Education
	<i>SME management</i>	<i>Legal Advisory</i>	<i>Financial / Tax</i>
Yes / No			
Yes	40,40%	62,70%	66,50%
No	59,60%	37,30%	33,50%
<i>Not Qualifying</i>	<i>0,00%</i>	<i>0,00%</i>	<i>0,00%</i>
	100,00%	100,00%	100,00%

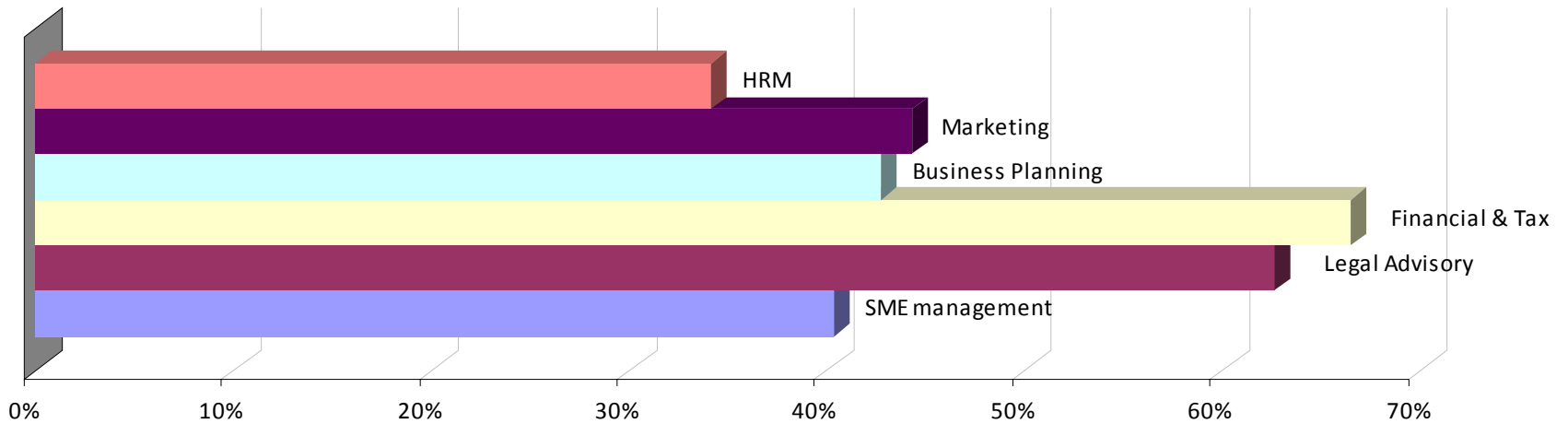
NEEDS	Vocational Education	Vocational Education	Vocational Education
	<i>Business Planning</i>	<i>Marketing</i>	<i>HRM</i>
Yes / No			
Yes	42,70%	44,30%	34,10%
No	57,30%	55,70%	65,90%
<i>Not Qualifying</i>	<i>0,00%</i>	<i>0,00%</i>	<i>0,00%</i>
	100,00%	100,00%	100,00%

► Website: www.bsczenica.org

Experience 4: *NeedsAssessment*

► Results:

Training, Consultancy & Coaching by Field



► Website: www.bsczenica.org

Experience 5: *Join Master Studies*

- ▶ **Full name:** Joint Master Studies with the University Twente / the Netherlands
- ▶ **Type of activity:** Pilot project
- ▶ **Methodology:** Developing curricula and developing competences of UNZE staff

Questionnaires collected from largest employers in the region:

Mittal, Hayat Natron, Cimos Kopar d.d., BSC Zenica, Association of entrepreneurs in Vitez, Regional development agency, Ministry of trade, entrepreneurship and development of the Federation of BiH.

Experience 5: *Join Master Studies*

► Results:

Innovation and Entrepreneurship International Management

Core Subjects

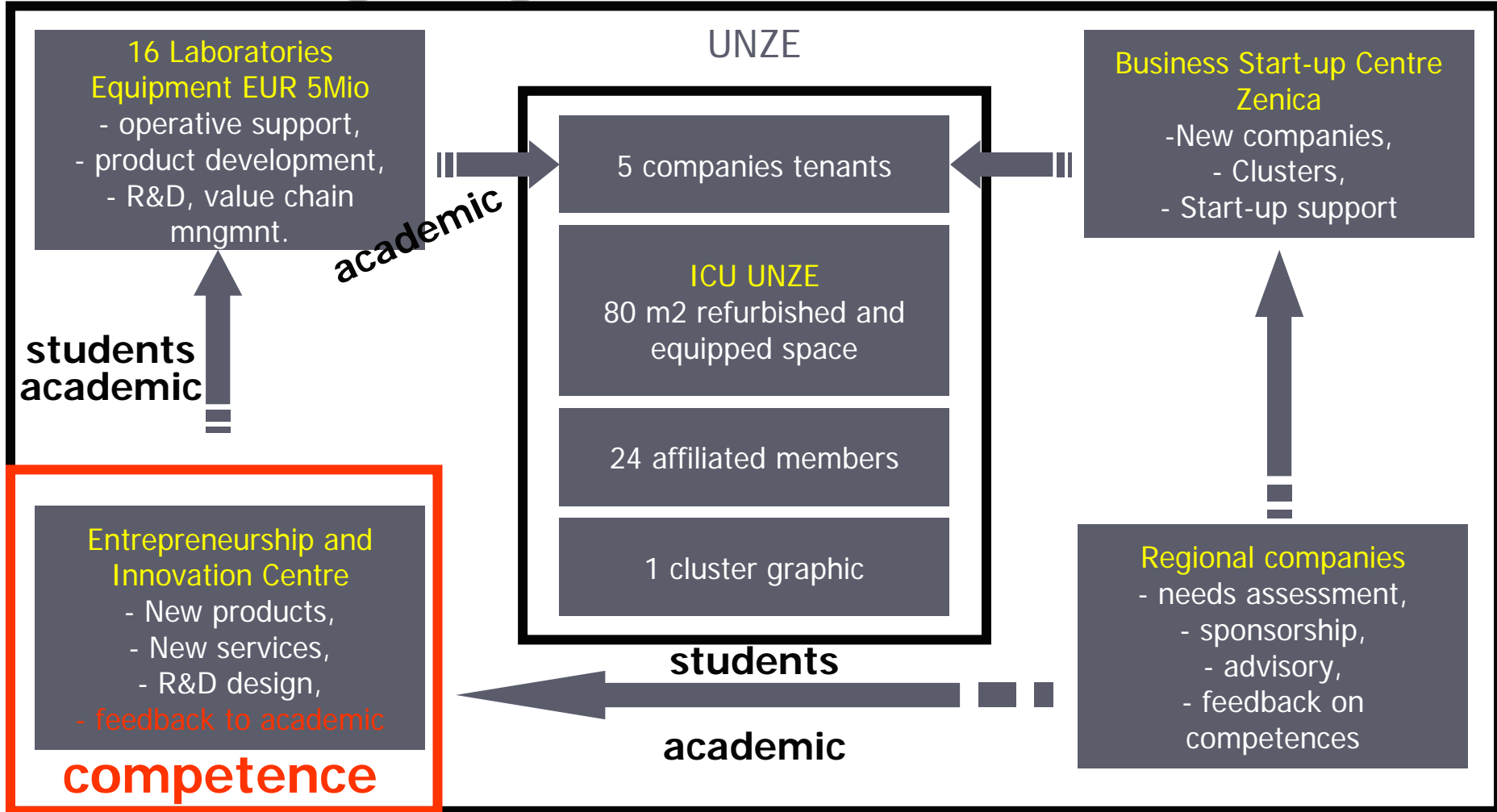
1	Human Resource Management and Organizational Development	1
2	Accounting, Finance, and Management	2
3	Organizing Innovation	3
4	Organization Theory and Operations Management	4

Master Related Subjects

5	Innovation & Regulation	International Management	5
6	Strategy and the External Environment <i>or</i> Principles of Entrepreneurship	Management in Emerging Economies	6
7	Masterclass Innovation Management <i>or</i> Masterclass Entrepreneurship	Masterclass International Management	7
	Masterthesis	Masterthesis	

► Website: www.bsczenica.org

Ongoing: *Intelligence Commercializing Unit – ICU UNZE*



Ideas for transfer of experiences

- ▶ *(Please describe your ideas on how the experience presented could be transferred to Competence [e.g. Question 1-3 of your questionnaire, or the methodology you used to assess the competences])*

Short name Possible transfer of experience

Ideas will be built on basis of
first Kick-off meeting brainstorming,
partners' presentations
and EU higher institutions partners visions