



**Questionnaire
for D2.1 Benchmarking Assessment**

Project Acronym:	WBCInno
Project full title:	Modernization of WBC universities through strengthening of structures and services for knowledge transfer, research and innovation
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Abstract	Questionnaire for good practice case studies for knowledge and technology transfer between science and businesses
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DOCUMENT CONTROL SHEET (Use Style WBCInno_Header)

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VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision Description	Partner responsible
v.01	June 7, 2013	First draft version	TUHH (Regina Grussenmeyer)
v.02	June 24, 2013	Corrections of draft	TUG (Christoph Adametz)
v.03	June 27, 2013	Second draft version	TUHH (Irene Sudy + Regina Grussenmeyer)
v.04	July 10, 2013	Third draft version <ul style="list-style-type: none"> ▪ B.4, Question 3: Changed the duration from 3 years to 1 year (Mark Jones, University of Brighton) ▪ B.9: The question was changed ▪ D.2: New answer option added: "Business consultancy" (Zoran Torgašev) ▪ E.7: Modification of the answer options (Vesna Mandic, UA) ▪ G.1: Clarified the options, deleted the option "Technology center" and added rows to indicate the size, year of establishment and number of staff (Vesna Mandic, UA) ▪ Changed "<i>Did the number / income increase, decrease or remained equal since 2000</i>" into "<i>... in the last three year</i>" throughout the whole questionnaire (UKG) 	TUHH (Regina Grussenmeyer)
v.05	July 26, 2013	Final version (in the deliverable template – Annex B to QCM)	UKG (Vesna Mandic, Jelena Jevtovic)

Content of the questionnaire

- A) Identification and contact data**
- B) Modes of KTT - knowledge and technology transfer** (not to be published)
- C) Good practice activity in one or more KTT modes**
- D) Businesses involved in KTT activities** (not to be published):
- E) More about your organisation** (to be published only at request)
- F) R&D databases as prerequisites for promoting KTT**
- G) Infrastructure for promoting KTT**

A) Identification and contact data

University name	
Organisation unit name	
Contact	
Address	
Country	
Phone	
E-mail	
URL	

B) Modes of KTT - knowledge and technology transfer (*not to be published*)

B.1. Modes of KTT addressed by your universities activities	total=100%
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Which modes of knowledge and technology transfer are addressed and promoted by your activities, and to what extent (approximately, total = 100% workload)?

eg: "mobility of academics" accounts for 30% of the total workload for KTT activities in the university

R&D collaboration / contract research projects, scientific/tech. services	
Commercialization of R&D results by patenting, licensing	
Entrepreneurship: spin-outs from university, start-ups <i>(eg via incubator, eg entrepreneurship training courses)</i>	
Student mobility, career services <i>(eg work placements in businesses, experience abroad)</i>	
Student projects with businesses	
Mobility of academics between science and businesses <i>(eg Teachers from Industry; PhD in enterprises)</i>	
Involvement of businesses in curricula development	
Lifelong learning, training courses	

B.2. Timeline of establishing support for different modes of KTT

When approximately were support activities for different KTT modes established?

	< 2 yrs. ago	2-6 yrs. ago	> 6 yrs. ago
R&D collaboration / contract research, sc./tech. services			
Commercialization of R&D results by patenting, licensing			
Entrepreneurship: spin-outs from university, start-ups			
Student mobility, career services			
Student projects with businesses			
Mobility of academics between science and businesses			
Involvement of businesses in curricula development			
Lifelong learning, training courses			

B.3. Effectiveness of different modes of KTT

Ranking (or n.a.):
1: very effective,
5: very little effect

From your experience, which KTT modes are most / least effective?

R&D collaboration / contract research, sc./tech. services	
Commercialization of R&D results by patenting, licensing	
Entrepreneurship: spin-outs from university, start-ups	
Student mobility, career services	
Student projects with businesses	
Mobility of academics between science and businesses	
Involvement of businesses in curricula development	
Lifelong learning, training courses	

B.4. Effectiveness of "R&D collaboration / contract research"

How many new R&D and consultancy contracts with firms and other organizations did your university sign in 2012?

Did the number increase, decrease or remained equal in the last three years?

	R&D contracts	Consultancy contracts
Number		
Increase, decrease or equal?		

How much income did your university earn by R&D and consultancy contracts in 2012?
Did the income increase, decrease or remained equal in the last three years?

	R&D contracts	Consultancy contracts
EUR		
Increase, decrease or equal?		

How many R&D or consultancy contracts with firms that have a duration of 1 or more years did your university have in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number	
Increase, decrease or equal?	

How many R&D or consultancy contracts where the majority of commissioning firms is international did your university have in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number	
Increase, decrease or equal?	

B.5. Effectiveness of “Commercialization of R&D results by patenting, licensing”

How many new invention disclosures, submitted patent applications, patents granted and licenses executed did your university have in 2012?
Did the number increase, decrease or remained equal in the last three years?

	Number of invention disclosures	Number of submitted patent applications	Number of patents granted	Number of licensing agreements
Number				
Increase, decrease or equal?				

How much income did your university earn by licenses in 2012?
Did the number increase, decrease or remained equal in the last three years?

EUR	
Increase, decrease or equal?	

B.6. Effectiveness of “Entrepreneurship: spin-outs from university, start-ups”

How many startup companies associated with your university has been launched in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.7. Effectiveness of “Student mobility, career services”

How many international student exchanges did you have in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.8. Effectiveness of “Student projects with businesses”

How many internships and student works in business environments did you have in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.9. Effectiveness of “Mobility of academics between science and businesses”

How many students/researchers spend time in industry with the purpose of PhD or Master thesis in 2012?
Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.10. Effectiveness of “Involvement of businesses in curricula development”

How many external lecturers with their primary job outside the research sector did your university have teaching in 2012?

Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.11. Effectiveness of “Lifelong learning, training courses”

How many training courses for company employees did you offer in 2012 (lifelong learning)?

Did the number increase, decrease or remained equal in the last three years?

Number		
Increase, decrease or equal?		

B.12. Please give us examples how you motivate university staff/researchers or students to get involved in KTT:

B.13. Is there a service provided for the assessment of the commercial potential of researcher's inventions or research results, in order to select appropriate commercialization means (e.g. license, patent sale, start up, spin off etc.)? How and by whom is it provided?

B.14. What are the key elements you use in reporting KTT performance: qualitative information and/or (if applicable) quantitative key indicators

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C) Good practice activity in one or more KTT modes

Please select one field of activity (or one project/service) of your university promoting KTT between science and businesses that you regard as good practice, and tell us more about it:

C.1. title of the activity / project / service (if applicable)	
R&D collaboration / contract research projects, scientific/tech. services	
Commercialization of R&D results by patenting, licensing	
Entrepreneurship: spin-outs from university, start-ups <i>(eg via incubator, eg entrepreneurship training courses)</i>	
Student mobility, career services <i>(eg work placements in businesses, experience abroad)</i>	
Student projects with businesses	
Mobility of academics between science and businesses <i>(eg Teachers from Industry; PhD in enterprises)</i>	
Involvement of businesses in curricula development	
Lifelong learning, training courses	

C.2. Content of the activity / project / service (overview)

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C.3. What are the target groups and stakeholders of this activity / project / service?

Please distinguish (if applicable): target group among university (staff and/or students); target groups among businesses; other stakeholders

C.4. Please give us some quantitative data on the „size” of this activity

e.g. number of people/organisations involved p.a., duration, turnover; other relevant figures

**C.5. Has this activity / project / service received awards or gained wider recognition?
If so, please tell us more about it.**

D) Businesses involved in KTT activities (*not to be published*):

D.1. Where is the majority of your business target group located (geographical scope)	
	total = 100%
Local (eg city, appr. 20 km distance)	
Regional (appr. 20-100 km distance)	
Beyond 100 km distance (national)	
International	

D.2. What are the main industries or fields of technology of the businesses you work with?	
Business consultancy	
Vehicle manufacturing / Automotive industry	
Mechanical engineering	
Shipbuilding industry	
Chemical and pharmaceutical industry	
Electrical engineering	
Metal industry	
Woodworking industry	
Mineral oil processing	
Precision and optical industry	
Mining industry	
Food industry	
Textile industry	
Other (please specify)	

D.3. With which organizations do you cooperate mainly for promoting? Please give the amount of organizations.

SMEs (national)	
SMEs (international)	
Large scale enterprises (national)	
Large scale enterprises (international)	
Other universities / research institutions (national)	
Other universities / research institutions (international)	
NGOs (national)	
NGOs (international)	

D.4. Please lists factors enabling and hindering KTT.

SMEs	Large scale enterprises	Other universities / research institutions	NGOs

E) More about your KTT-office (to be published only at request)

E.1. Number of staff

Persons:		FTE (full time equivalent):	
No. of persons in the university dedicated to KTT (knowledge and technology transfer), approximately:			

E.2. Please specify the area of discipline the persons dedicated to KTT graduated in.
(total = 100%)

	in %, appr.
Natural science graduates	
Engineering graduates	
Business graduates	
Law graduates	
Social graduates	
Other graduates	

E.3. Please specify the fields of functions the persons dedicated to KTT are working in.
(total = 100%)

	in %, appr.
Management	
Researcher / Teacher	
Administrative	
Technical	
Other	

E.4. Please specify the degree of education achieved by the persons dedicated to KTT.
(total = 100%)

	in %, appr.
Secondary school certificate	
General qualification for university entrance / A level	
Apprenticeship	
Bachelor Degree	
Master Degree	
Promotion / PhD	
Other	

E.5. What were the total project funding expenditures of your university in 2012?
Did the funding increase, decrease or remained equal in the last three years?

EUR		
Increase, decrease or equal?		

E.6. Please name the 3 most relevant public funding instruments for KTT

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E.7. Who provides the budget for your university activities and to which extent?
(total = 100%)

	in %, appr.
Public funding (national and regional)	
Student contributions (fees and others)	
Funding coming from contracts with business sector	
International public funding (e.g. through EU and other international organisations)	
Philanthropic funding (donations)	
Service-related income (i.e. through offering housing, restaurants, etc)	
Other (please specify)	

E.8. If you raise funds from private sources please tell us a bit more about it

eg: do you charge fees and for which services, are there donators ...

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E.9. Do you collaborate with other partners in KTT on a strategic or operative level?

Please think of other universities and their organisations, other Higher Education Institutions (HEI), other Research and Technology Organisations (RTO), other intermediaries like Chamber of Commerce, incubators, technology parks, service enterprises, manufacturing enterprises, public sector bodies and tell us a bit about the context and content of the collaboration

No

Yes

If yes, please specify:

E.10. How many publications with at least one author, who has an affiliation with at least one **firm, did your university have in 2012?**

Did the number increase, decrease or remained equal in the last three years?

Number

Increase, decrease or equal?

E.11. How many publications with at least one author, who has an affiliation with another **scientific laboratory or higher education institute, did your university have in 2012?**

Did the number increase, decrease or remained equal in the last three years?

Number

Increase, decrease or equal?

E.12. How many bachelor and master theses with the involvement of a least one firm did your university have in 2012?

Did the number increase, decrease or remained equal in the last three years?

Number

Increase, decrease or equal?

F) R&D databases as prerequisites for promoting KTT

F.1. Which organisation within your university collects data from university's faculties and departments on their research and innovation resources (staff, expertise, equipment/software, facilities etc.) and how is this done?

F.2. Does the university have a current Research Information System?

If it is publicly accessible: URL:

G) Infrastructure for promoting KTT

G.1. Is there any specific KTT infrastructure available? If yes, please specify.

	Size (m ²)	Year of establishment	Number of staff
Incubator park			
Laboratory space for student use			
Office space and equipment (for the TTO)			
Meeting rooms			
Telephone service (provided by the KTT)			
Other (please specify)			

H1. Is there any other single piece of advice which you would give an organisation which was trying to grow its KTT activity? If so, please tell us what this is:

H2. What are your KTTs next steps in terms of activities, offers, infrastructure in the next 5 years?

H3. What are obstacles you wish to overcome?