



## D2.1 Benchmarking Metrics

Project Acronym:	WBCInno
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Abstract	Report on benchmarking assessment of existing WBC universities' structures/services in the areas of knowledge transfer, innovation and research prepared by EU partners within their visit to UKG, UNS, UZ, UBL and UM
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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 27, 2013	Second draft version	TUHH (Regina Grussenmeyer)
v.03	July 10, 2013	Third draft version <ul style="list-style-type: none"> <li>▪ Chapter 2: Added new metric: “<i>Cooperation with business consultants</i>” (Zoran Torgašev)</li> <li>▪ Chapter 4: Changed the description of the metric into “<i>Academics mobility</i>” (UKG)</li> <li>▪ Chapter 5: Deleted two metrics, because they were included in the questionnaire (UKG)</li> </ul>	TUHH (Regina Grussenmeyer)
v.04			

## 1. Metrics for Investment in Knowledge Transfer, Innovation and Research

Metric	Description	Questions
Total research expenditures	The total research expenditures spend by the university.	E.5 / E.6 / E.7 / E.8
Staffing Level	The number of employees working in the different university departments, divided into administrative and technical employees.	E.1 / E.2 / E.3 / E.4
Mode effectiveness	The instruments used in KTT are evaluated regarding their effectiveness and application	B.1 / B.2 / B.3
Motivation	Examples of participants' motivation	B.12
KTT Performance	Key reporting elements	B.14
Data collection	Which organization collects data and how, research information system	F.1 / F.2
Infrastructure	Availability of infrastructure	G.1

## 2. Metrics for Knowledge Transfer through Co-operation

Metric	Description	Questions
# of R&D contracts	Number contracts where at least 1 firm funds the university to perform research (including contracts with public funding AND at least 1 firm).	B.4
# of consultancy contracts	Number contracts where a firm funds the university to perform consultancy with the firm.	B.4
Income from R&D contracts	The income that has been generated by the R&D contracts with the firms (including contracts with public funding AND at least 1 firm).	B.4
Income from consultancy	The income that is generated by the consultancy contracts with the firms.	B.4
Duration of R&D contracts	The average duration of the contracts in R&D.	B.4
Duration of consultancy	The average duration of the contracts in consultancy.	B.4
# of publications with firms	Number of scientific publications where at least one author has listed an affiliation with the university and a least one other author has listed an affiliation with at least one firm.	E.10
# of publications with other scientific laboratories or HEI	Number of scientific publications where at least one author has listed an affiliation with the university and a least one other author has listed an affiliation with another scientific laboratory or HEI.	E.11

Number of bachelor and master theses with firms	Number of bachelor and master theses with the involvement of 1 or more firms.	E.12
Cooperation with companies	Number of businesses involved in KTT activities, main industries of cooperation, promotion cooperations, enabling and hindering factors	D.1 / D.2 / D.3 / D.4
Cooperation with business consultants	Number of business consultants in KTT activities	D.1 / D.2 / D.4
Cooperation with KTT	Cooperations on operative and strategic level	E.9

### 3. Metrics for Knowledge Transfer through Exploitation or Commercialization of Research Results

Metric	Description	Questions
Number of Invention disclosures	Number of Inventions or discoveries submitted to knowledge transfer offices staff or equivalent for assessment of commercial application.	B.5
Number of Patent applications	Number of Patent applications submitted	B.5
Number of Patents granted	Number of technically unique patents granted.	B.5
Number of Licensing agreements	Number of licenses, options and assignments agreed for all types of intellectual property.	B.5
Total license income	Total revenue from all licenses, options and assignments that are generating income for the university.	B.5
Invention Commercialization	Number of researchers who received a service of invention commercialization	B.13

#### 4. Metrics for Knowledge Transfer through People

Metric	Description	Question
Startup companies	Number of companies launched associated with the university.	B.6
Student mobility	Number of international student exchanges	B.7
Student projects with business	Number of student works in business environments	B.8
Academics mobility	Number of students and researchers spend time in industry with the purpose of PhD or Master thesis	B.9
Curricula development	Number of external lecturers	B.10
Life Long Learning	Number of training courses offered to company employees	B.11

#### 5. Metrics that were excluded

Metric	Description
Number of Licenses generating income	Number of licenses, options and assignments generating income for the university.
Number of self-presentations	Number of self-presentations held by university employees at conferences, workshops, fairs, open doors and science slams
Employed adults engaged in university level training or education	Number of employed respondents engaged full or part time in university level courses.
Teaching in the university performed by people with their primary job outside the research sector	Number of positions in university occupied by people who have their primary job in business enterprise sector.