

Bibliometric report

Quantitative information about research outputs

Research Unit:
JU_FF_61

Evaluated Unit:
**The University of South Bohemia in České Budějovice - Faculty of
Philosophy**

Field of Research:
History and archaeology

Prepared by:
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28. 5. 2015**



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EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost

Table of content

1.1 Introduction	2#
1.1.1 Three groups of research outputs	2#
1.1.2 Purpose of the quantitative information	2#
1.1.3 Data sources	2#
1.1.4 The selection of bibliometric indicators	3#
1.1.5 Time span of the indicators	3#
1.1.6 Field categorisation of the research outputs	3#
1.1.7 Types of information and indicators	3#
1.2 A: Characteristics of the field (CR)	5#
1.3 B: Characteristics of the Research Unit (RU)	9#
1.4 C: Publishing Profile (RU)	11#
1.5 D: Citation Impact (RU)	13#
1.6 E: Collaboration (RU)	14#
1.7 F: Research outputs and activities – statistical data (RU)	15#
1.8 G: IPR-related outputs (RU)	18#

1.1 Introduction

1.1.1 Three groups of research outputs

The research outputs are divided in three groups – scholarly outputs, non-traditional scholarly outputs, and IPR-related outputs.

For the scholarly outputs, bibliometric indicators are provided that can be compared within fields across Evaluated Units. The bibliometric indicators are based on bibliographic data that are derived from or can be verified against independently produced bibliographic data sources.

The quantitative information about non-traditional scholarly outputs and IPR-related outputs is based on institutional self-reporting in the national RD&I Information System (IS). In many cases, this information is less easy to verify and to bring into comparable indicators. Nonetheless, this information is important in the evaluation to understand and assess the activities that can be seen as expressed in non-scholarly outputs. These outputs will be listed with numbers in the self-reported categories.

Context information that is needed to understand and assess data on non-traditional scholarly and IPR-related outputs include: a) the self-evaluation report on these outputs and the activities they represent, and b) data to study examples of non-scholarly outputs.

For both the publication-type outputs and other type outputs and activities and IPR-related ones, it is necessary to understand how their types and relative frequencies vary with the field and type of research.

1.1.2 Purpose of the quantitative information

The quantitative information about research outputs is only part of the material provided for the evaluation. The quantitative information is designed to support, not to replace, the qualitative judgement of the panel.

The relative importance of the three groups of outputs – as well as the types of outputs within them – can be expected to vary not only by field of research, but also the different purposes and forms of research.

None of the bibliometric indicators or numbers provided should be used alone. Instead, they should be seen in the context of each other and of other information provided for the evaluation. One reason is that peer review – much more than the performance indicators themselves – allows for overview, understanding, discussion and formative judgements. Another reason is that the indicators can enlighten each other, e.g an indicator of the number of authors per article in a field can enlighten the indicator of the presence of international co-authorship in the same field.

1.1.3 Data sources

The bibliometric indicators covering **publication-type research outputs** have two complementary data sources:

- International: InCites by Thomson Reuters, providing data based on publications indexed for Web of Science in these categories: Articles, Reviews, Proceedings Papers, Letters. The indicators were counted based on Underlying Source Article Data from InCites provided by Thomson Reuters in the middle of year 2014.
- National: the Czech RD&I Information System (IS), providing data for publications in the following categories: Articles in peer-reviewed journals (type J); monographs (type B); book chapters (type C - includes Articles in Books and Chapters in Books); Proceedings papers (type D)

The data source for information about other **research outputs and activities** and **IPR-related outputs** is the Czech RD&I Information System, which can provide data for outputs in the following categories:

- Results used by the funding provider, projected into legislation or norm, projected into non-legislative or strategic documents (type H), Research report containing classified information (type V), Certified methodologies, art conservation methodologies, specialized map works (type

N), Pilot plant (Zpilot), Verified technology (Ztech), Software (R), Prototypes, Function examples (G), Audiovisual production, electronic documents(A), Conference organization(M), Workshop organization (W), Exhibition organization (E), Other results (O)

- IPR-related outputs, i.e. Patents (type P), Plant variety (type Zodru), Animal breed (type Zplem), Utility model, Industrial design (F)

1.1.4 The selection of bibliometric indicators

The selection of the bibliometric indicators for quantitative information about scholarly publications is based on:

- The purpose of informing field specific panels in the best possible way
- Relevance for the institutional level of evaluation
- Well-established international practice in the field
- Availability, compatibility and transparency in relation to chosen data sources
- Comprehensiveness by also including publications not covered in international data sources, which is important especially in the humanities, the social sciences and the engineering sciences.

1.1.5 Time span of the indicators

The time span for bibliometric indicators, also allowing for time series, is (for an evaluation conducted in 2015):

- 2009-2013 for publication-based indicators
- 2009-2012 for citation-based indicators, allowing a minimum of one full year for citing publications to be indexed

1.1.6 Field categorisation of the research outputs

- In Web of Science/InCites-based indicators, publications are classified by fields according to the journals they were published in. Thomson Reuters predefines both the underlying journal classification in 251 Web of Science fields and the aggregated OECD field classification used here.
- It is important to highlight here, that publication could be classified to more than one Web of Science fields (max 6) and those multi-fields publications are counted once in each field in the field divided indicators (such as A1, A2, A4 - A9, B1).
- In RD&I IS-based data, the research outputs are classified in fields as they are reported to the RD&I IS by the institution. The RD&I IS classification is mapped over to the OECD classification.
- RD&I IS classification doesn't exactly fit the OECD classification. There are some OECD fields to which are not coupled any RD&I IS fields.
 - Not coupled OECD fields:
 - 1.7 Other natural sciences
 - 2.8 Environmental biotechnology
 - 2.10 Nano-technology
 - 6.5 Other humanities

1.1.7 Types of information and indicators

The **bibliometric** information and indicators presented below are categorised in five main categories. The first category (A) are indicators on country level (Czech Republic); the other four categories are on the level of Research Units.

- A: Characteristics of the field (CR)
- B: Characteristics of the Research Unit (RU)

- C: Publishing Profile (RU)
- D: Citation Impact (RU)
- E: Collaboration (RU)

Citation indicators and collaboration indicators that demand reasonable coverage of the publications in Web of Science will not be applied in fields with more limited coverage.

The first five sections of this report (A to E) focus on the publication-type outputs as defined in Section 1.1.3, above. For these indicators, the total outputs in the time span 2009-2013 have been taken into account.

The last two sections, instead, provide **statistical** data on all research outputs of the Research Unit, including the publication trends over the years. These data are based on information registered in the Czech RD&I Information System. The sections are:

- F: All RD&I Information System registered outputs (RU)
- G: IPR-related outputs (RU)

1.2 A: Characteristics of the field (CR)

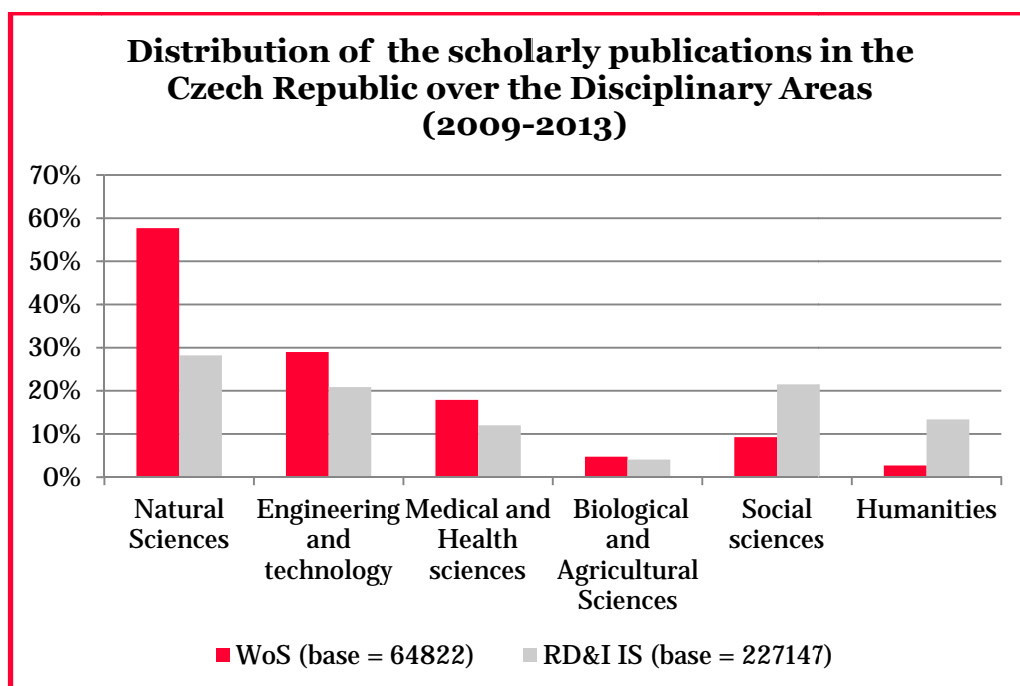
This group of indicators are all meant to give the panel an overview of the characteristics of the field at country level, thereby providing a context for interpreting the indicators for a specific Research Unit in a specific field.

This information will be of particular value for the (main) panel members drafting the overview and analytical reports at the national field and/or disciplinary area level.

The same indicators will be used at the level of Research Units in the categories B-F below. More details about the indicators and their interpretation will be given there.

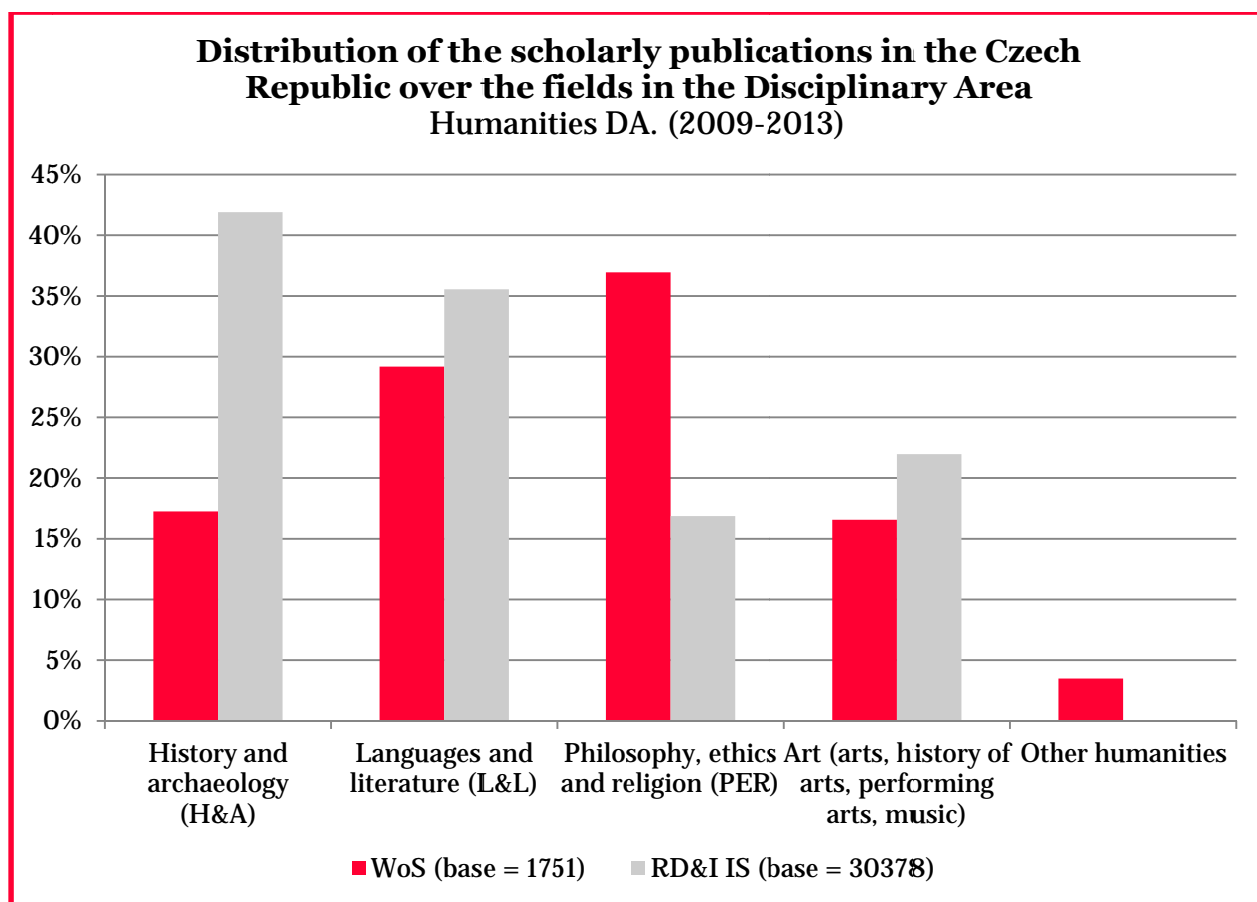
Indicator A1. Relative size of the Disciplinary Area (DA) - publication data from WoS and RD&I IS.

Disciplinary Areas (2009-2013).



Indicator A2. Relative size of the fields within the Disciplinary Area - WoS and R&D IS.

Humanities Disciplinary Area (2009-2013).



Field *Other humanities* is not coupled with any RD&I IS classification field (described in the section 1.1.6).

Indicator A3. Number of publications in the fields of the Disciplinary Area registered in the RD&I IS

Humanities Disciplinary Area (2009-2013).

Category	H&A	L&L	PER	Arts
Articles in peer-reviewed journals (J)	5709	4231	2208	2411
Monographs (B)	1310	854	622	801
Book chapters (C)	4024	3194	1818	2302
Proceedings papers (D)	1687	2518	477	1162

Indicator A4. Number and share of scholarly publications in the RD&I IS that are indexed in Web of Science.

Humanities Disciplinary Area (2009-2013).

Data Source	H&A	L&L	PER	Arts	Other
Web of Science*	302	511	647	290	61
RD&I IS	12730	10797	5125	6676	
% Web of Science	2%	5%	13%	4%	

Indicator A5. Mean number of authors and addresses per WoS publication with 20 or less authors.

Humanities Disciplinary Area (2009-2013).

Articles with <= 20 authors	H&A	L&L	PER	Arts	Other
Mean number of authors	2,0	1,3	1,1	1,5	1,1
Mean number of addresses	1,9	1,3	1,3	1,2	1,1

Specification of articles with more than 20 authors.

Articles with > 20 authors	L&L
Number of articles	1
Percentage of articles	0%
Maximum authors	95
Maximum addresses	71

Indicator A6. Percentage of WoS publications in the most cited WoS journals

Humanities Disciplinary Area (2009-2013).

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Indicator A7. Mean Field Normalized Citation Impact of Czech WoS publications

Humanities Disciplinary Area (2009-2012).

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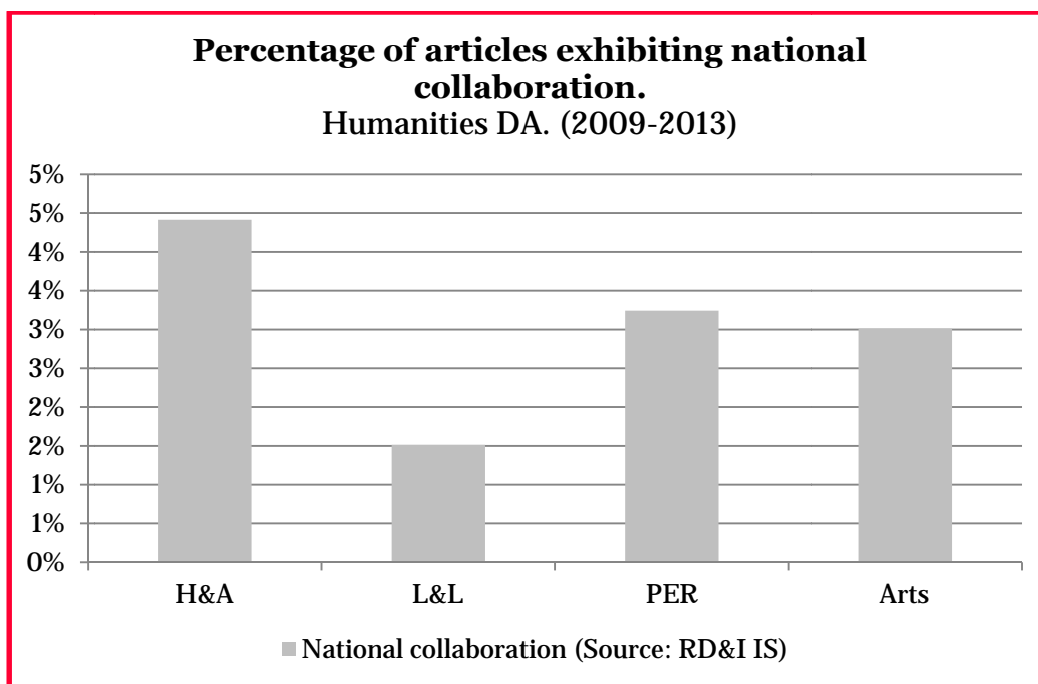
Indicator A8. Number and percentage of Czech publications in WoS among the most cited publications.

Humanities Disciplinary Area (2009-2012).

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Indicator A9. Percentage of publications exhibiting international or national collaboration in the addresses.

Humanities Disciplinary Area (2009-2013).



Indicator A10. International collaboration

CZ by Field. (2009-2013).

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1.3 B: Characteristics of the Research Unit (RU)

Research Unit: **JU_FF_61**

Evaluated Unit: **The University of South Bohemia in České Budějovice - Faculty of Philosophy**

Field of Research: **History and archaeology**

Indicator B1. RU publications - percentage share of all Czech scholarly publications in the main fields

RU scholarly publications as a share of all Czech publications in the main fields.

RU (2009-2013).

	Field	WoS		R&D IS	
		% CZ	Count*	% R&D IS	Count
1,1	Mathematics				
1,2	Computer and information sciences				
1,3	Physical sciences and astronomy				
1,4	Chemical sciences				
1,5	Earth and related environmental sciences				
1,6	Biological sciences				
1,7	Other natural sciences				
2,1	Civil engineering				
2,2	Electrical engineering, electronic engineering, information engineering				
2,3	Mechanical engineering				
2,4	Chemical engineering				
2,5	Materials engineering				
2,6	Medical engineering				
2,7	Environmental engineering				
2,8	Environmental biotechnology				
2,9	Industrial Biotechnology				
2,10	Nano-technology				
2,11	Other engineering and technologies				
3,1	Basic medical research				
3,2	Clinical medicine				
3,3	Health sciences				
3,4	Medical biotechnology				
3,5	Other medical sciences				
4,1	Agriculture, forestry, and fisheries				
4,2	Animal and dairy science				
4,3	Veterinary science				
4,4	Agricultural biotechnology				
4,5	Other agricultural sciences				

5,1	Psychology				
5,2	Economics and business				
5,3	Educational sciences				
5,4	Sociology	0,10%	1		
5,5	Law				
5,6	Political Science				
5,7	Social and economic geography				
5,8	Media and communication				
5,9	Other social sciences				
6,1	History and archaeology	1,32%	4	2,95%	375
6,2	Languages and literature	0,39%	2		
6,3	Philosophy, ethics and religion	0,46%	3		
6,4	Art (arts, history of arts, performing arts, music)	0,34%	1		
6,5	Other humanities				

*Publication could be counted more than once in different fields (described in the section 1.1.6).

Indicator B2. Percentage share of all scholarly outputs by the Evaluated Unit

Publications by the RU versus all publications by the EvU, all fields taken together

RU (2009-2013).

	Nr RU publications	Nr EvU publications	RU % of EvU total
Source: WoS	11	14	79%
Source: RD&I IS	375	626	60%

Interpretation: These indicators identify the relative size – measured in publication output (research activity) of the Research Unit within its field in the country and within the Evaluated Unit it belongs to. Coverage in Web of Science is field dependent. The bibliometric report will advise how to use, or not to use, indicators based on Web of Science in each specific field.

Indicator B1 and B2 will be given for all included Research Units in all fields in the evaluation methodology, both within fields and within Evaluated Units. This will give an overview of the relative contributions of each Evaluated Unit to each field in the Czech Republic. In the Pilot Evaluation, the two indicators will be given for each selected RU with the field characteristics (Indicator group A above) as context.

1.4 C: Publishing Profile (RU)

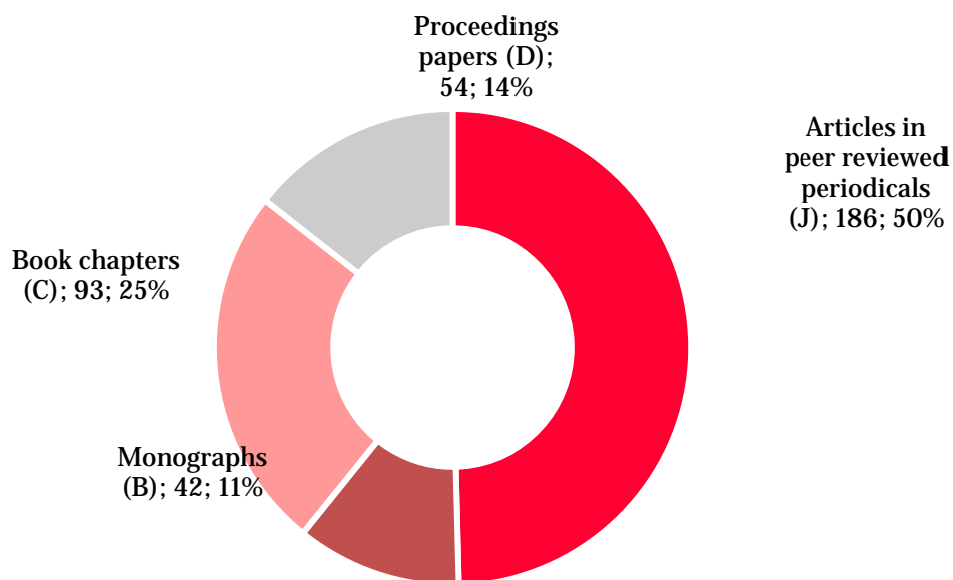
Interpretation: The indicators in this group give an overview of the publishing profile of the Research Unit. This profile should be contextualized with other material provided to the evaluation panel, such as:

- The information on the level of the field given in indicator group A
- Field and type of research
- Mission, size and resources of the Evaluated Unit, as given in the self-evaluation and in other statistical information provided for the evaluation

Indicator C1. Number and shares of the RU publication-type outputs in the RD&I IS

RU (2009-2013).

Number and shares of the RU publication-type outputs in the RD&I IS categories



Category	Number of outputs
Articles in peer-reviewed journals (J)	186
Monographs (B)	42
Book chapters (C)	93
Proceedings papers (D)	54

Indicator C2. Number and shares of RU publications indexed in Web of Science

RU (2009-2013).

Data Source	Indicator
Web of Science (N)	11
RD&I IS (N)	375
Web of Science (%)	3%

Indicator C3. Mean and median number of authors and institutional affiliations (published addresses) per WoS publication by the RU

RU (2009-2013).

Data Source	Mean	Median
Authors	1,4	1
Addresses	1,6	1

Indicator C4. Percentage of WoS publications by the RU in the most cited WoS journals

RU (2009-2013).

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Indicator C5. Number and percentage of RU articles per journal in Web of Science

RU (2009-2013).

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1.5 D: Citation Impact (RU)

Interpretation: Citation indicators may inform about the international influence, impact, or usefulness of the research, as seen in the frequency of received citations per publication. Note that citation distributions are highly skewed. One or a few highly cited articles may influence the averages considerably and cause large variations from year to year as well. The two indicators presented here should therefore be seen in relation to each other. One of them identifies the average citation rate, while the other records the presence of articles among the most highly cited articles in the world and EU.

The relevance and validity of the citation indicators have to be related to the specific field and type of research. Especially relevant is the Web of Science coverage of the field. Citation indicators will not be presented in fields with low Web of Science coverage.

Indicator D1. Mean Field Normalized Citation Impact for the Research Unit

RU (2009-2012).

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Indicator D2. Number and percentage of WoS publications by the RU among the most cited publications

RU (2009-2012).

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1.6 E: Collaboration (RU)

Interpretation: These indicators provide information about the relations to main partners in international and national collaboration in the field, as seen in the addresses of co-authored publications. Caution has to be taken with regard to publishing practices in the field, see Indicator B3: Mean and median number of authors and addresses per WoS publication. Generally, the relevance and validity of the collaboration indicators will have to be related to the publication practices in the specific field of research and their Web of Science coverage. The collaboration indicators will not be presented in fields with low Web of Science coverage. (The R&D IS needs further development to make the basis for similar indicators.)

Indicator E1. Percentage of RU publications exhibiting international and national collaboration in the addresses

RU (2009-2013).

	2009	2010	2011	2012	2013
International collaboration (Source: WoS)	INSUFFICIENT WoS COVERAGE OF HUMANITIES				
National collaboration (Source: RD&I IS)	15%	1%	10%	8%	6%

Indicator E2. Five most frequent collaborating countries, their shares of the RU's publications, and the Mean Field Normalized Citation Impact of articles in each country relation, compared to EU28 in the field.

RU (2009-2013).

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1.7 F: Research outputs and activities – statistical data (RU)

Interpretation: the statistical data presented below give the panels a view on the trends in scholarly and non-traditional scholarly outputs during the evaluation period and set the publication profile of the Research Units in the context of the field in the CR. It also provides information on the potential reach of the journals in which the articles are published (national versus international), based upon the databases in which the journals are registered.

Indicator F1: Research outputs by the RU and their distribution over the years (raw data)

RU (2009-2013).

Output type	2009	2010	2011	2012	2013	All years
Article in a periodical (J)	46	30	33	45	32	186
Monographs and books (B)	13	9	9	5	6	42
Book chapter (C)	12	21	12	29	19	93
Conference proceedings / Article in proceedings (D)	8	13	7	11	15	54
Results used by the funding provider, i.e. into legislation or norm, into non-legislative or strategic documents (H)	0	0	0	0	0	0
Research report containing classified information (V)	0	0	0	0	0	0
Certified methodologies, art conservation methodologies, specialized map works (N)	0	0	0	0	0	0
Pilot plant (Zpilot)	0	0	0	0	0	0
Verified technology (Ztech)	0	0	0	0	0	0
Software (R)	0	0	0	0	0	0
Prototypes, Function examples (G)	0	0	0	0	0	0
Audiovisual production, electronic documents(A)	0	0	0	0	0	0
Conference organization(M)	0	0	0	0	0	0
Workshop organization (W)	0	0	0	0	0	0
Exhibition organization (E)	0	0	0	0	0	0
Other results (O)	0	0	0	0	0	0

Indicator F2: Research outputs– shares of the Field total in the CR

RU (2009-2013).

Output type	Number for the RU	Number in the Field (CR)	RU share of Field total*
Article in a periodical (J)	186	5772	3,22%
Monographs and books (B)	42	1308	3,21%
Book chapter (C)	93	4024	2,31%
Conference proceedings / Article in proceedings (D)	54	1689	3,20%
Results used by the funding provider, i.e. projected into legislation or norm, projected into non-legislative or strategic documents (H)	0	0	-%
Research report containing classified information (V)	0	0	-%
Certified methodologies, art conservation methodologies, specialized map works (N)	0	58	0,00%
Pilot plant (Zpilot)	0	0	-%
Verified technology (Ztech)	0	0	-%
Software (R)	0	11	0,00%
Prototypes, Function examples (G)	0	0	-%
Audiovisual production, electronic documents(A)	0	57	0,00%
Conference organization(M)	0	201	0,00%
Workshop organization (W)	0	118	0,00%
Exhibition organization (E)	0	102	0,00%
Other results (O)	0	1134	0,00%

*Calculated using number of publications in field, which is different in this instance to F1.

Indicator F3: Number and shares of articles published in types of journals (national versus international reach)

RU (2009-2013).

Publication channels	Number	Share of the total
Article in a periodical registered in the Web of Science (Jimp) *	0	0,00%
Article in a source registered in SCOPUS, which is not registered in WoS (JSC)	22	11,83%
Article in a reviewed periodical in the ERIH database, which is not registered in WoS or SCOPUS (Jerih) ¹	48	25,81%
Article in a reviewed Czech periodical, which is not registered in WoS, SCOPUS or ERIH (Jrec)	89	47,85%
Article in a periodical, which is not in any previous group (Jother)	27	14,52%
TOTAL	186	100%

*It is not possible to compare the number of Jimp with a number of WoS publication (from indicator B2) due to the different publication-type classification in the two data sources (WoS, RD&I IS) and due to the way how WoS publications of certain RU were identified.

Indicator F4: RU articles published in types of journals – shares of main Field total in the CR

RU & CR (2009-2013).

Publication channels	Number for the RU	Number in the Field (CR)	RU share of Field total*
Article in a periodical registered in the Web of Science (Jimp)	0	187	0,00%
Article in a source registered in SCOPUS, which is not registered in WoS (JSC)	22	483	4,55%
Article in a reviewed periodical in the ERIH database, which is not registered in WoS or SCOPUS (Jneimp)	48	987	4,86%
Article in a reviewed Czech periodical, which is not registered in WoS, SCOPUS or ERIH (Jrec)	89	3205	2,78%
Article in a periodical, which is not in any previous group (Jother)	27	910	2,97%

*Calculated using number of publications in field, which is different in this instance to F1.

¹ ERIH - The European Reference Index for the Humanities and the Social Sciences is the list of journals, which covers the Humanities and the Social Sciences. See, more at: <http://erihplus.nsd.no/>.

1.8 G: IPR-related outputs (RU)

Interpretation: also in this case, the panels are given a view on the trends in patents awarded during the evaluation period. The data set the information for the Research Units in the context of the field in the CR and give a view on the importance of the patents in terms of geographical reach.

Indicator G1: Patents and other forms of IP awarded to the RU and their distribution over the years (raw data)

RU (2009-2013).

Output type	2009	2010	2011	2012	2013	All years
Patent (P)	0	0	0	0	0	0
Utility model, Industrial design (F)	0	0	0	0	0	0
Plant variety (Zodru)	0	0	0	0	0	0
Animal breed (Zplem)	0	0	0	0	0	0

Indicator G2: IPR-related outputs of the RU – Shares of the Field total in the CR

RU & CR (2009-2013).

Output type	Number for the RU	Number in the Field (CR)	RU share of Field total*
Patent (P)	0	0	-%
Utility model, Industrial design (F)	0	1	0,00%
Plant variety (Zodru)	0	0	-%
Animal breed (Zplem)	0	0	-%
TOTAL	0	1	0,00%

*Calculated using number of publications in field, which is different in this instance to G1.

Indicator G3: Number of patents in the patent offices in different countries – RU versus Field (CR)

RU & CR (2009-2013).

Patent type	Number in the Field (CR)	Number for the RU*
Patents in the Czech Industrial Property Office	0	0
Patents in the European Patent Office (EPO)	0	0
Patents in the US/Japan Patents Offices	0	0
Patents in other international patent offices	0	0
TOTAL	0	0

*Calculated using number of publications in field, which is different in this instance to G1.