EUROPEAN UNION
European Structural and Investment Funds
Operational Programme Research,
Development and Education

MINISTRY OF EDUCATION,
YOUTH AND SPORTS

Research Evaluation in the Czech Republic

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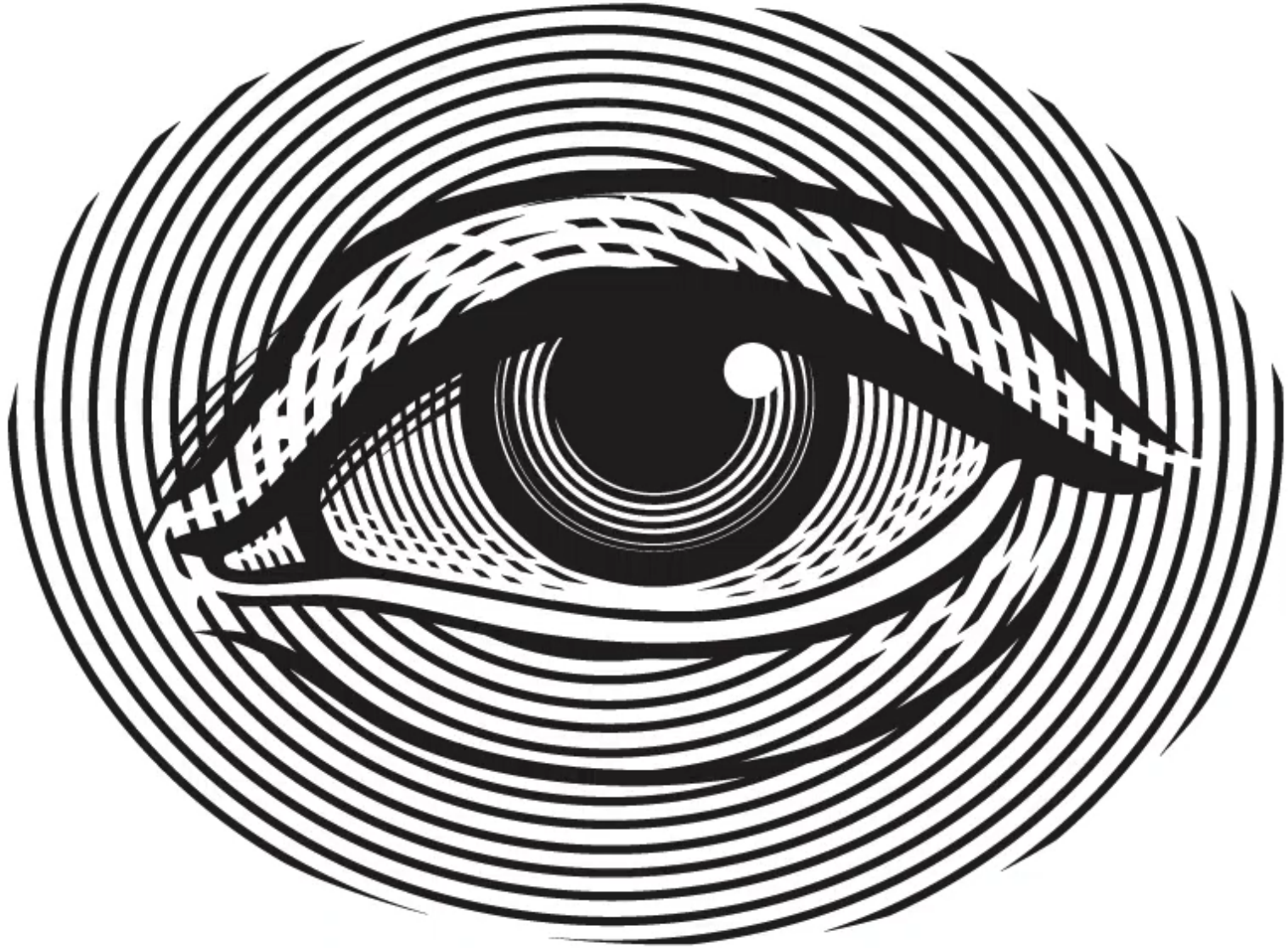
First Vice-Chairman of the R&D Council of the Czech Republic

The training is aimed at the researchers of the Institute of Mathematics of the Czech Academy of Sciences.

The cost of the training is covered from the OPVVV project CZ.02.2.69/0.0/0.0/18_054/0014664 „Institute of Mathematics CAS goes for HR Award – Implementation of the professional HR management.“



JUDGEMENT DAY

M17+ has five modules and step-wise implementation

Implementation period 2017-2019; complete application of 5-year cycle by 2020/2021

- **MODULE 1 - Quality of Selected Results**

In 2018, **results not subject to bibliometric treatment**, evaluated by external evaluators **according to their social relevance**; limited to 10% of 2016 results; 2019 - **Excellence** and/or **social relevance in 2017 and 2018; in 2020 any top-level results, including results subject to bibliometric treatment over a 5 year period**

- **MODULE 2 - Research Performance**

The overall **research performance profile**; disciplinary and institutional **bibliometry using AIS and international benchmarking**; 2019 bibliometry will be **cumulative (2017 + 2018)**; **large consortium papers separated out**; **international cooperation** will be monitored and the **comparison will be with the EU15**

National level
Central panels

- **MODULE 3 - Social Relevance**

Economic or social impact of research, applied research grants; transfer of results into practice, cooperation with the applications sphere, institutional system of technology transfer; training in IP knowledge, soft skills

- **MODULE 4 - Viability**

Institutional research environment - i.e. research management, HR, career in research, PhD, instrument infrastructures and sharing, mobility of PhD students and academics, successful engagement of academics in an international research environment, best research practice

- **MODULE 5 – Ambitions and Strategy**

Research strategy, mission and vision, national and international research context, research strategy implementation tools, placement/transfer strategy in university rankings or other external evaluations, effort/tools to increase international reputation

Providers/ROs

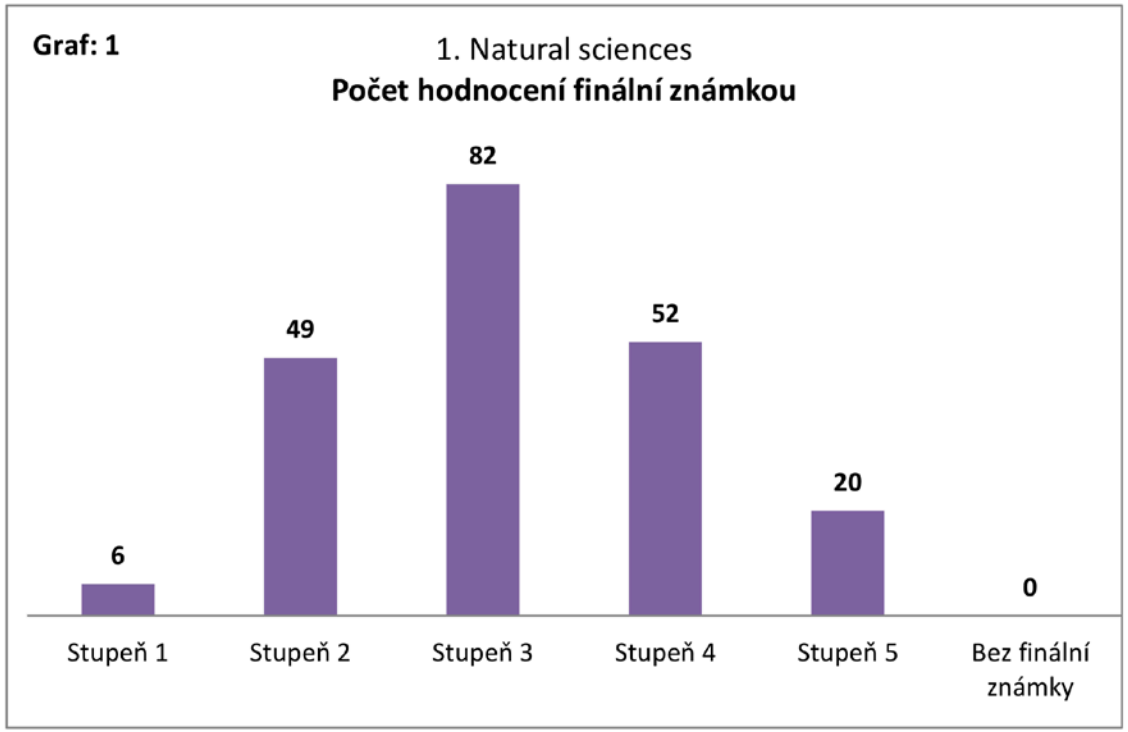
Module 1 in 2018

1. Natural sciences

Tab.: 1 - Počet hodnocení finální známkou za oborovou skupinu

Finální známka	Suma	Stupeň 1	Stupeň 2	Stupeň 3	Stupeň 4	Stupeň 5	Bez finální známky
Počet hodnocení	209	6	49	82	52	20	0
Podíl	100%	3%	23%	39%	25%	10%	0%

- Time shift in the impact of research outputs
- Only outputs for 2016 evaluated – short time window
- Difficulty of evaluating separately from the point of view of social relevance without a scientific quality context
- Evaluators must be better educated
- Recruitment of additional high quality evaluators needed
- **Existing evaluators were stringent enough**



Question of international reviewers for 5-year evaluation is critical!!!

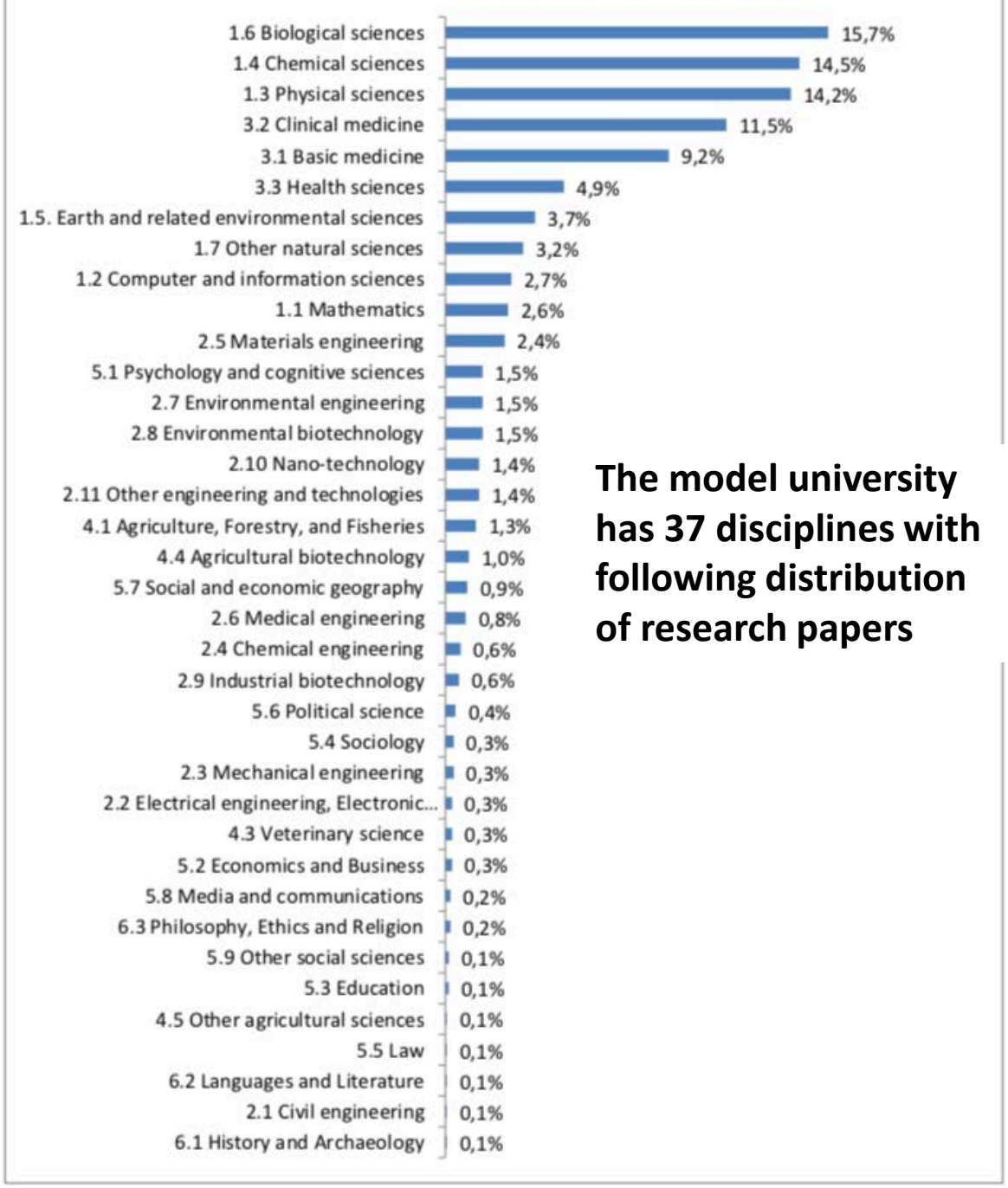
Distribution of all university publication outputs (for 2016) in FORD disciplines (**F**ields **O**f **R**esearch and **D**evelopment; Frascati manual)

Field-specific publishing frequencies are clear and must be considered!

Module 2 in 2018

Institutional Report

Obor	Počet	Podíl
1.6 Biological sciences	226	16%
1.4 Chemical sciences	209	14,51%
1.3 Physical sciences	204	14,17%
3.2 Clinical medicine	166	11,53%
3.1 Basic medicine	132	9,17%
3.3 Health sciences	70	4,86%
1.5. Earth and related environmental sciences	53	3,68%
1.7 Other natural sciences	46	3,19%
1.2 Computer and information sciences	39	2,71%
1.1 Mathematics	37	2,57%
2.5 Materials engineering	35	2,43%
5.1 Psychology and cognitive sciences	22	1,53%
2.7 Environmental engineering	22	1,53%
2.8 Environmental biotechnology	22	1,53%
2.10 Nano-technology	20	1,39%
2.11 Other engineering and technologies	20	1,39%
4.1 Agriculture, Forestry, and Fisheries	18	1,25%
4.4 Agricultural biotechnology	14	0,97%
5.7 Social and economic geography	13	0,90%
2.6 Medical engineering	12	0,83%

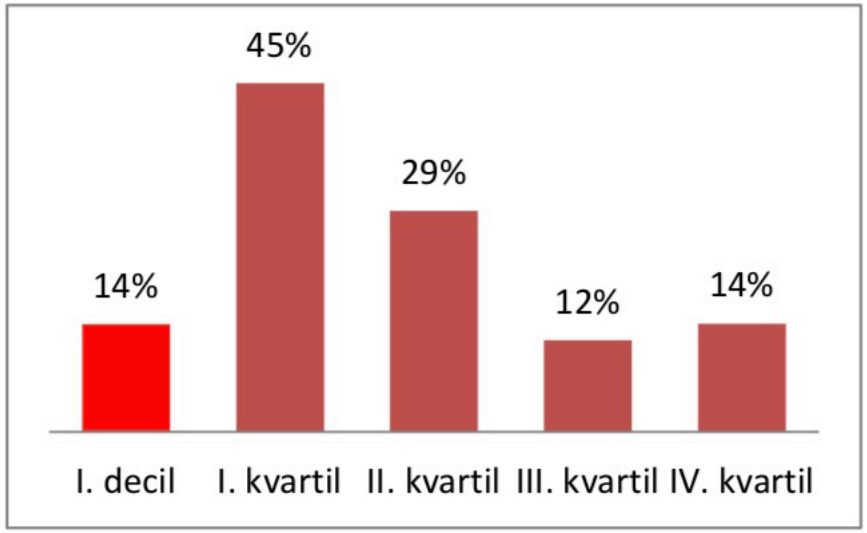


The model university has 37 disciplines with following distribution of research papers

Distribution of all model university outputs in the first decile and quartiles is strongly dependent on the structure of multidisciplinary university

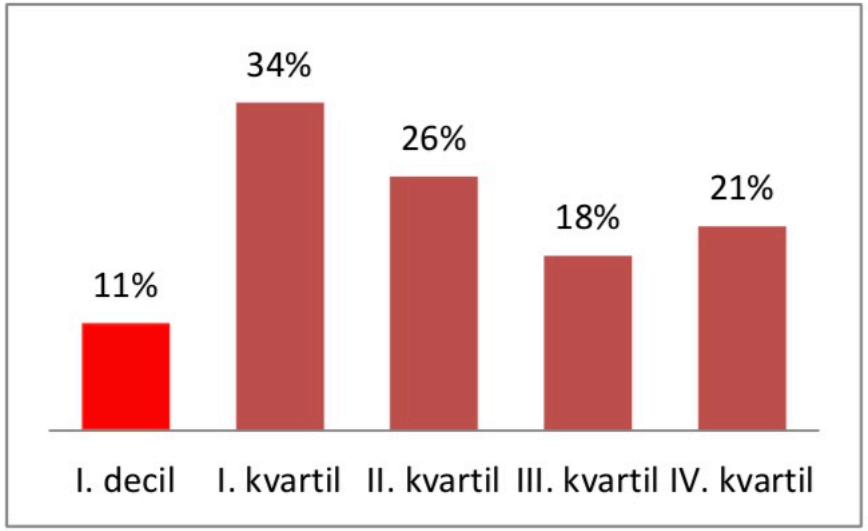
By journal ranking

Percentil	Počet	Podíl
I. decil	154	14%
I. kvartil	499	45%
II. kvartil	316	29%
III. kvartil	131	12%
IV. kvartil	155	14%
Celkem	**1101**	**100%**



By ranking of individual papers

Percentil	Počet	Podíl
I. decil	123	11%
I. kvartil	376	34%
II. kvartil	291	26%
III. kvartil	200	18%
IV. kvartil	234	21%
Celkem	**1101**	**100%**

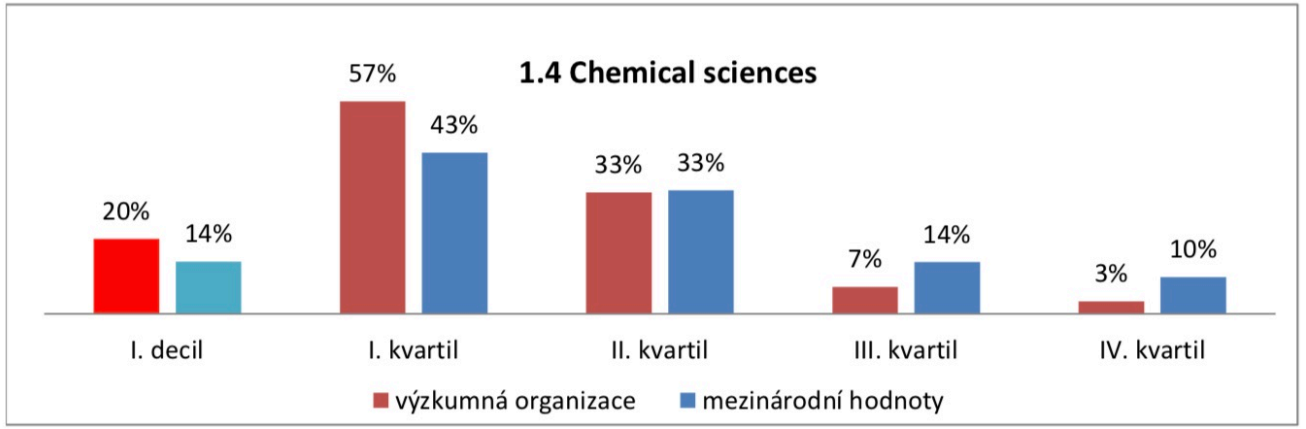


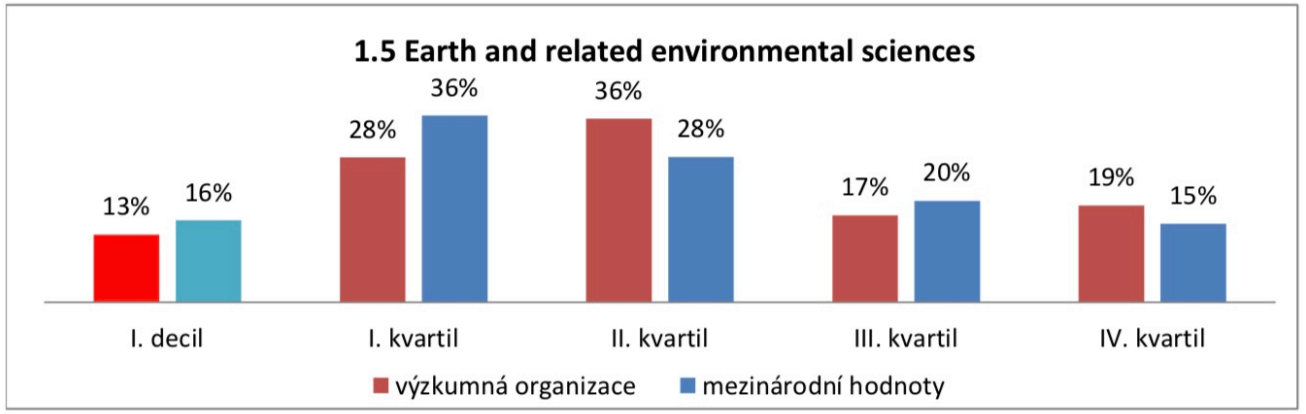
Bibliometry must be applied and interpreted consistently by disciplines!!!!

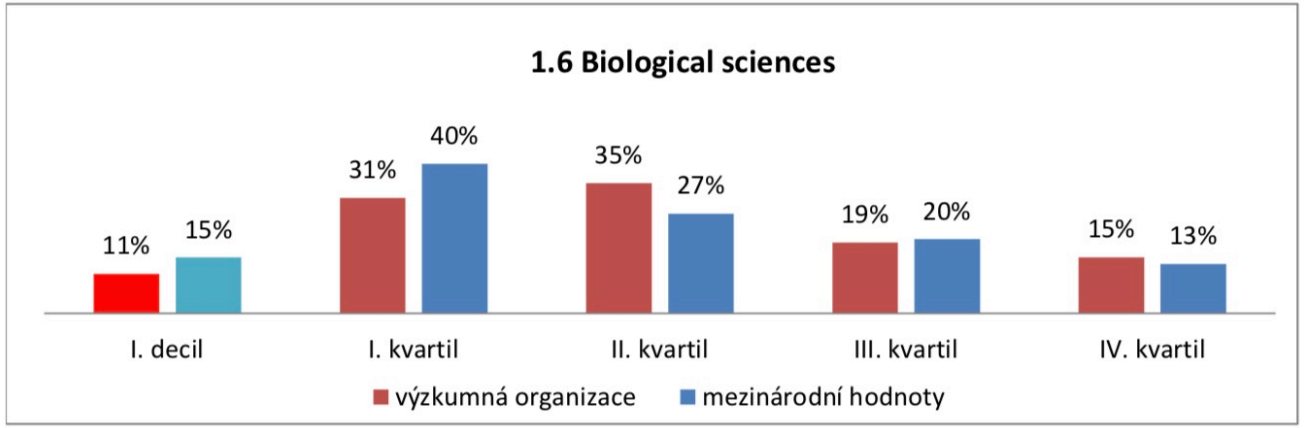
Three frequently publishing disciplines in international benchmarking
(according to AIS and journal ranking)

- Discipline *1.4. „Chemical sciences“* is relatively good, the other two are…..!

Model university profile
World profile







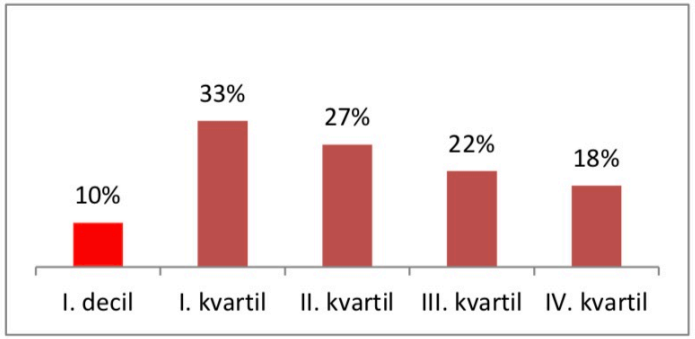
+ Bibliometric reports by disciplines for the whole CR, including CAS...

AN EXAMPLE FOR BIOLOGICAL SCIENCES

Tabulka a graf 02a: Rozčlenění národních výsledků v oboru v prvním decilu a v kvartilech podle mezinárodního pořadí časopisů.

1.6 Biological sciences

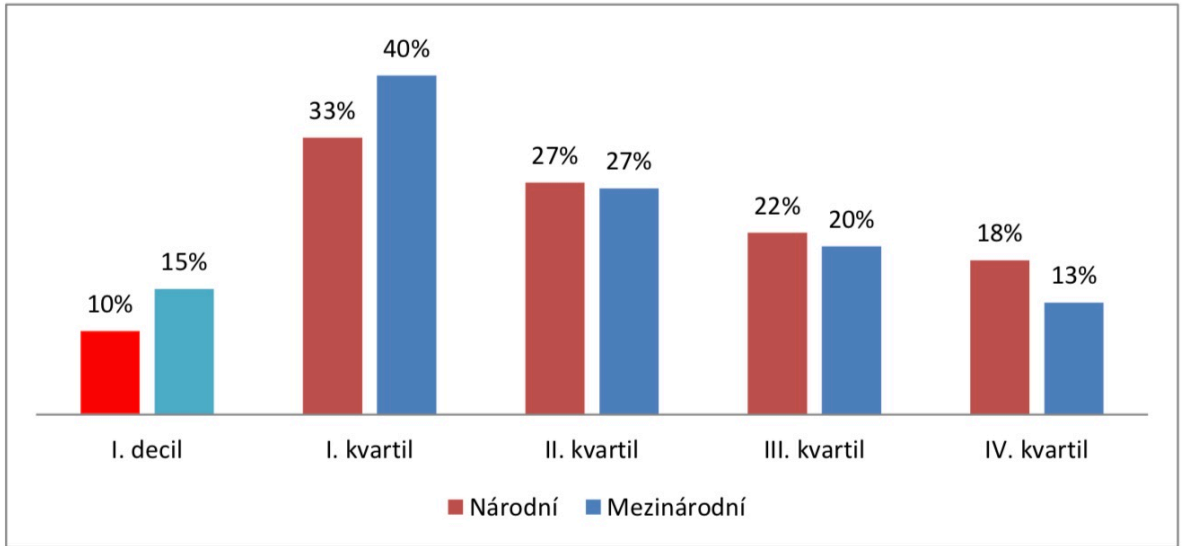
Pásmo	Počet	Podíl
I. decil	243	10%
I. kvartil	805	33%
II. kvartil	674	27%
III. kvartil	528	22%
IV. kvartil	448	18%
Celkem	2455	100%



Discipline *1.6. Biological Sciences*

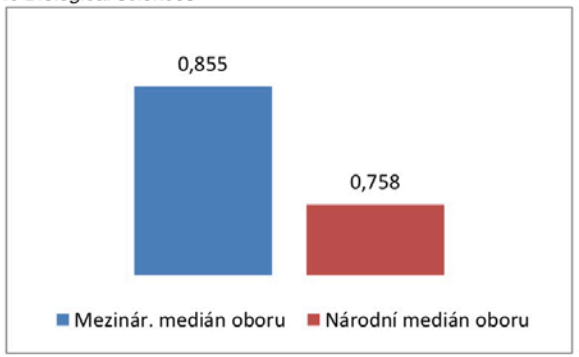
Graf 02b: Srovnání podílů národních a mezinárodních výsledků (článků) oboru v prvním decilu a v kvartilech podle AIS časopisu.

1.6 Biological sciences



Tabulka a graf 02c: Porovnání národního a mezinárodního oborového mediánu podle pořadí AIS článků.

1.6 Biological sciences

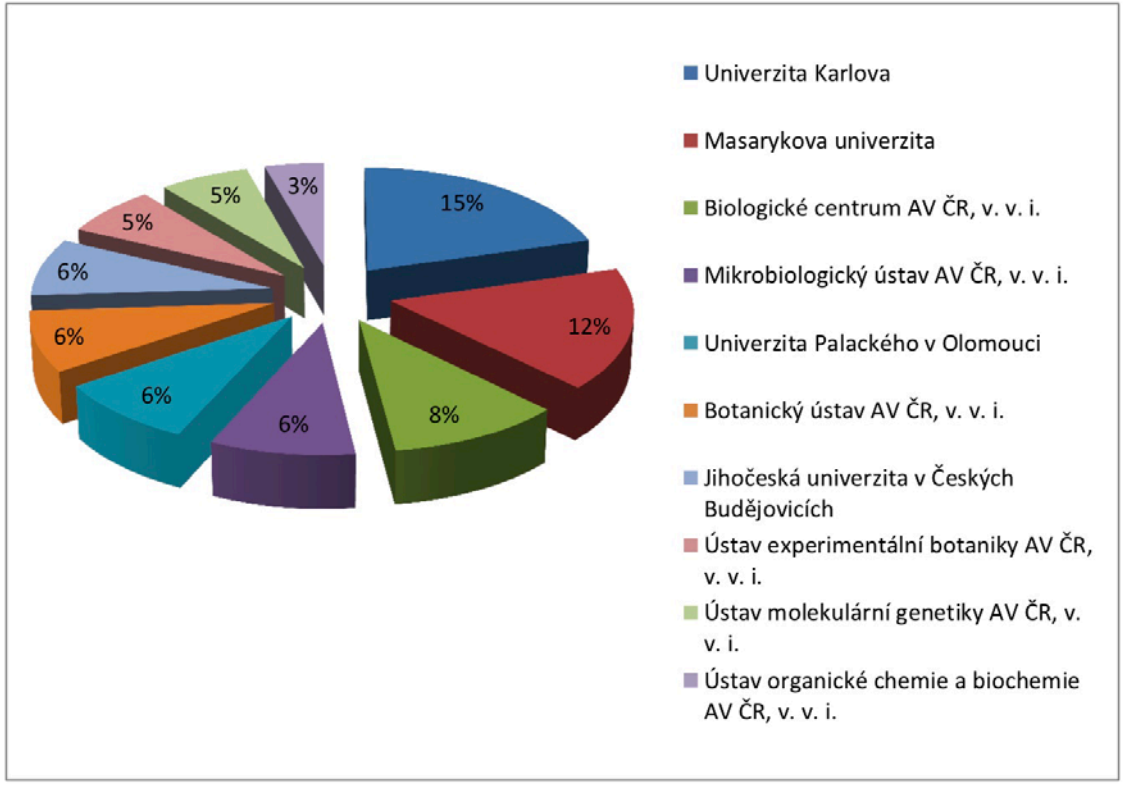


Mezinár. medián oboru	Národní medián oboru	Poměr k mezinár. mediánu
0,855	0,758	89%

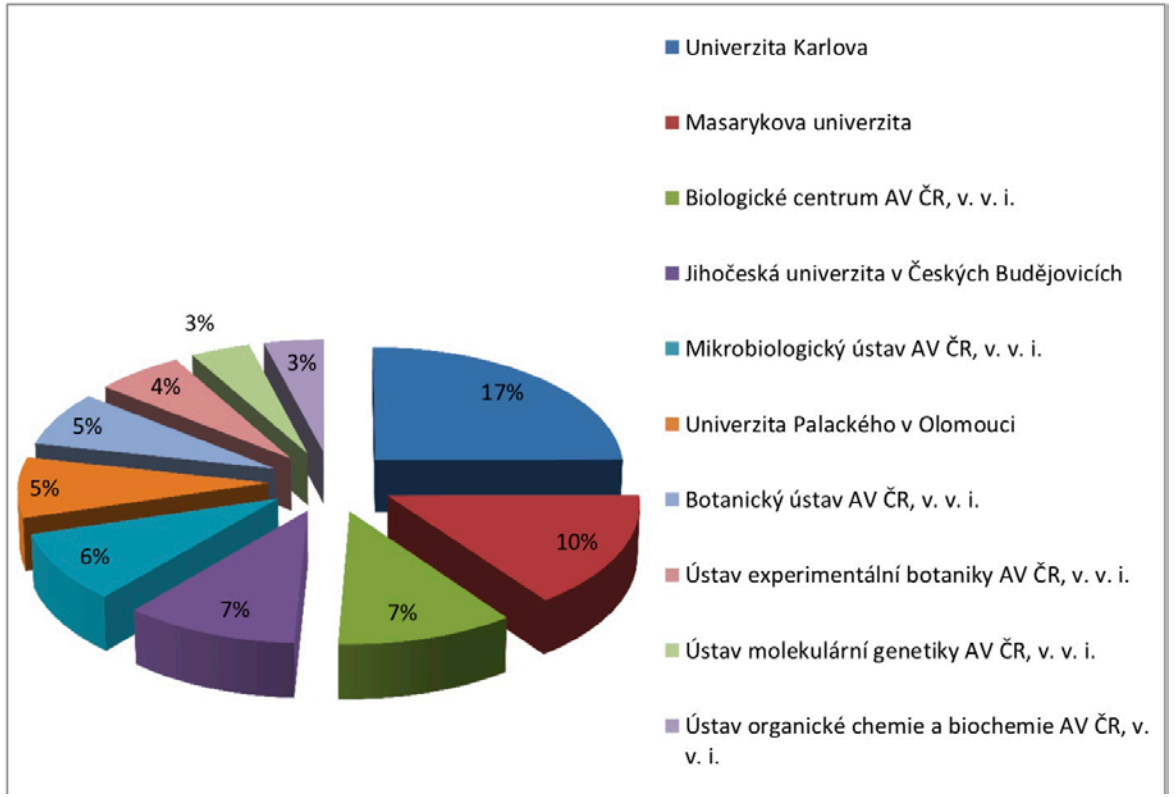
Dominant (likely according to manpower) research organizations

Discipline 1.6. Biological Sciences

The first decile



The first quartile



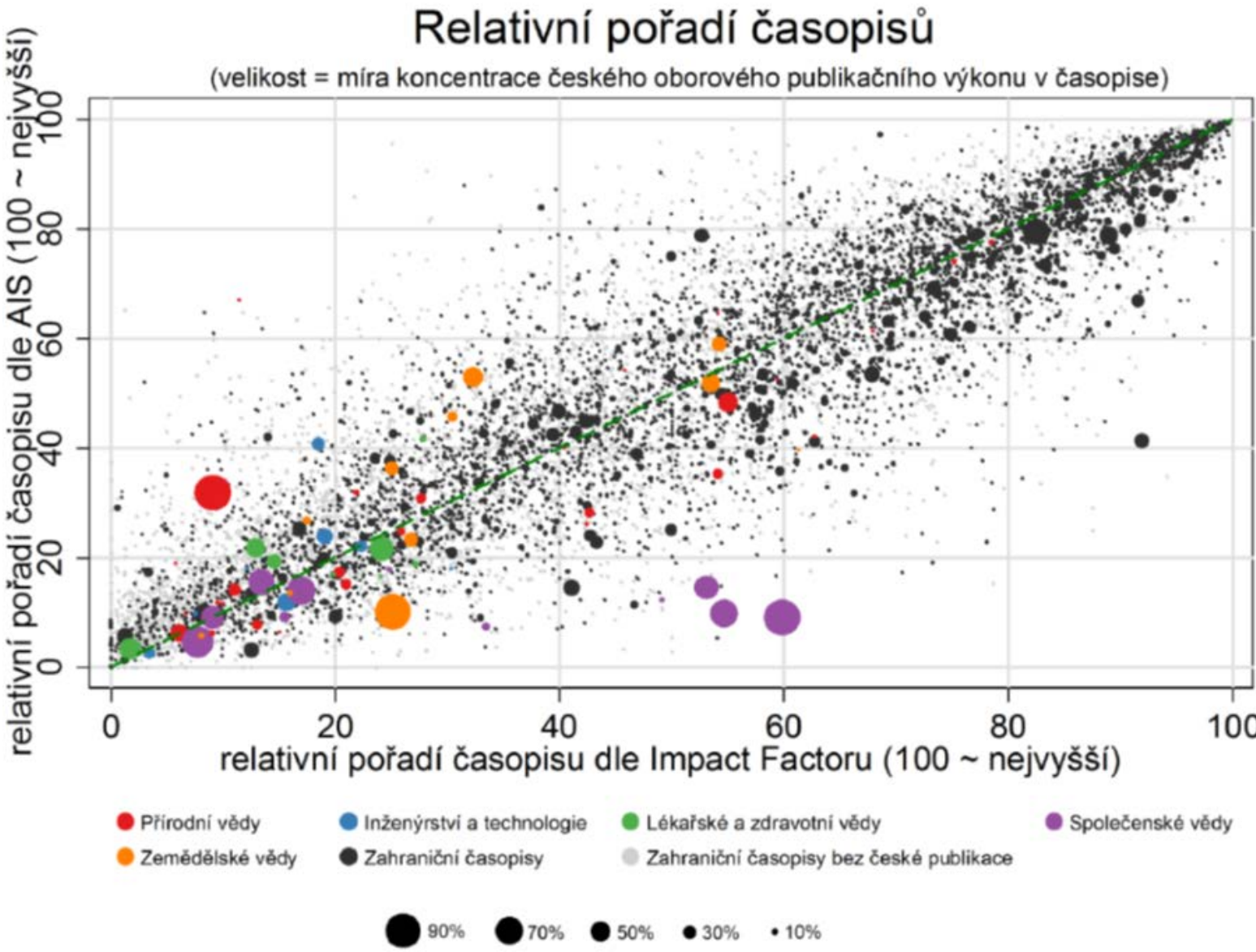
The preliminary ranking (based on Module 1 and Module 2 only) of Czech universities caused almost earthquake…

Tab.: Souhrnná zpráva pro poskytovatele - segment vysoké školy

Vstupní údaje výzkumné organizace			Počet výsledků			Bibliometrická analýza																		Vybrané výsledky							IND	Referenční údaje VO		
Poskytovatel	Název výzkumné organizace	IČ	Celkem	NPV	PV	J	WoS	WoS % v J	FORD 10+	FORD D1	Exc D1	Exc Q1	Exc Q2	Median Svět+	Median ČR+	D1 poř. čas.	Q1 poř. čas.	Q2 poř. čas.	Q3 poř. čas.	Q4 poř. čas.	D1 poř. člán.	Q1 poř. člán.	Q2 poř. člán.	Q3 poř. člán.	Q4 poř. člán.	Celkem vybr. výsl.	Stupeň 1	Stupeň 2	Stupeň 3	Stupeň 4	Stupeň 5	Bez známky	IND VŠ	Fixace v tis Kč	FTE	Počet studentů
MŠMT	České vysoké učení technické v Praze	68407700	5 764	1 929	3 835	1 572	888	56%	20	15	3	4	8	4	5	10%	42%	29%	15%	13%	8%	34%	22%	24%	20%	208	7	41	65	50	41	4	A	734 026	1 994,92	18 253
MŠMT	Jihočeská univerzita v Českých Budějovicích	60076658	1 455	66	1 389	984	535	54%	10	9	2	5	4	6	7	12%	41%	28%	19%	12%	9%	23%	27%	26%	24%	15	0	1	6	5	0	3	A	226 647	739,30	9 384
MŠMT	Masarykova univerzita	00216224	6 344	1 922	4 422	2 788	1 397	50%	24	20	9	16	11	15	12	17%	43%	25%	15%	16%	14%	30%	26%	19%	25%	85	4	21	29	15	3	13	A	728 233	2 117,70	30 457
MŠMT	Univerzita Karlova	00216208	9 209	873	8 336	6 373	3 608	57%	27	25	10	12	16	9	18	13%	42%	25%	16%	17%	11%	32%	24%	20%	25%	110	2	19	38	31	18	2	A	1 610 428	4 717,09	45 955
MŠMT	Univerzita Palackého v Olomouci	61989592	3 667	345	3 322	2 237	1 101	49%	20	18	8	9	10	9	13	14%	45%	29%	12%	14%	11%	34%	26%	18%	21%	48	1	8	11	12	3	13	A	584 313	1 588,59	19 823
MŠMT	Vysoká škola chemicko-technologická v Praze	60461373	1 239	214	1 025	677	500	74%	15	12	3	6	12	5	8	12%	34%	36%	15%	15%	7%	18%	25%	27%	29%	32	0	11	12	7	1	1	A	311 908	689,26	3 943
MŠMT	Česká zemědělská univerzita v Praze	60460709	1 562	213	1 349	977	558	57%	14	9	3	2	6	1	2	10%	27%	24%	27%	22%	7%	16%	18%	26%	40%	25	0	4	12	5	4	0	B+	255 552	747,43	19 401
MŠMT	Mendelova univerzita v Brně	62156489	1 667	201	1 466	760	317	42%	10	4	0	2	4	2	2	6%	28%	23%	26%	23%	3%	13%	23%	22%	43%	45	0	2	16	18	8	1	B+	187 501	677,08	8 700
MŠMT	Ostravská univerzita	61988987	999	42	957	546	216	40%	10	7	2	1	4	3	2	13%	30%	21%	22%	26%	8%	21%	22%	19%	38%	25	1	6	10	4	3	1	B+	106 814	528,40	8 355
MŠMT	Slezská univerzita v Opavě	47813059	487	15	472	206	58	28%	2	1	0	2	0	1	1	3%	47%	17%	26%	10%	17%	45%	14%	29%	12%	16	0	4	3	4	4	1	B+	65 845	266,55	4 766
MŠMT	Veterinární a farmaceutická univerzita Brno	62157124	491	10	481	329	220	67%	7	6	1	2	2	1	2	6%	24%	22%	25%	30%	5%	10%	20%	24%	45%	10	0	1	1	2	1	5	B+	64 008	283,40	2 863
MŠMT	Vysoké učení technické v Brně	00216305	3 990	1 034	2 956	1 197	523	44%	19	16	1	2	10	2	2	8%	31%	25%	18%	26%	6%	13%	26%	23%	37%	72	1	7	22	21	21	0	B+	460 900	1 341,21	18 728
MŠMT	Západočeská univerzita v Plzni	49777513	1 978	728	1 250	620	228	37%	9	8	1	3	6	3	3	7%	30%	33%	21%	16%	6%	21%	19%	38%	23%	86	0	15	30	23	18	0	B+	274 051	1 021,98	10 722
MŠMT	Univerzita J. E. Purkyně v Ústí/Labem	44555601	538	55	483	288	113	39%	4	1	0	1	3	0	0	6%	31%	30%	16%	23%	3%	14%	25%	31%	30%	25	0	2	11	10	2	0	B	62 850	446,10	7 596
MO	Univerzita obrany	60162694	726	123	603	277	99	36%	4	3	0	0	4	1	2	5%	24%	26%	22%	27%	5%	13%	25%	20%	41%	5	0	0	2	0	3	0	B	80 366	437,00	1 622
MŠMT	Univerzita Pardubice	00216275	1 262	155	1 107	498	269	54%	7	4	0	0	4	0	0	5%	19%	35%	29%	17%	2%	11%	17%	29%	43%	21	1	7	8	3	2	0	B	197 054	587,47	7 111
MŠMT	Univerzita Tomáše Bati ve Zlíně	70883521	1 147	155	992	425	134	32%	6	4	2	2	4	1	3	11%	29%	32%	19%	19%	8%	16%	28%	22%	35%	24	0	4	9	5	4	2	B	127 678	477,38	8 657
MŠMT	Vysoká škola báňská Tech. univerzita Ostrava	61989100	2 420	565	1 855	658	263	40%	13	6	1	0	4	1	2	5%	19%	24%	24%	33%	3%	12%	18%	22%	48%	81	0	9	29	25	14	4	B	287 983	1 074,24	12 688
MŠMT	Technická univerzita v Liberci	46747885	1 169	443	726	301	136	45%	5	2	0	0	2	0	1	4%	17%	30%	30%	23%	3%	10%	14%	24%	51%	55	0	5	10	26	11	3	B-	135 538	577,24	5 782
MŠMT	Univerzita Hradec Králové	62690094	655	12	643	340	116	34%	6	0	0	2	4	0	1	3%	19%	24%	25%	32%	3%	14%	16%	27%	43%	2	0	0	1	0	1	0	B-	64 258	352,59	6 195
MŠMT	Vysoká škola ekonomická v Praze	61384399	1 304	74	1 230	572	97	17%	2	1	0	0	0	0	0	4%	6%	12%	16%	65%	4%	4%	11%	7%	77%	44	0	1	13	16	13	1	B-	74 069	533,48	13 919
MŠMT	Akademie múzických umění v Praze	61384984	94	26	68	19	3	16%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	33%	0%	33%	33%	0%	33%	0%	0%	67%	7	0	2	2	1	0	2	N/A	16 003	271,65	1 413
MŠMT	Akademie výtvarných umění v Praze	60461446	18	10	8	5	2	40%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%	50%	50%	0%	0%	0%	50%	50%	0%	2	0	0	0	1	0	1	N/A	4 163	69,48	320
MŠMT	Janáčkova akademie múzických umění v Brně	62156462	35	11	24	5	0	0%																		1	0	0	0	1	0	0	N/A	4 380	156,20	657
MŠMT	Metropolitní univerzita Praha, o.p.s.	26482789	136	0	136	58	6	10%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	17%	17%	17%	50%	0%	17%	17%	17%	50%								N/A	13 699	111,31	4 184
MV	Policejní akademie České republiky v Praze	48135445	44	0	44	30	3	10%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%	0%	67%	33%	0%	0%	0%	0%	100%	4	0	1	1	0	2	0	N/A	6 709	112,00	2 196
MŠMT	Univerzita J. A. Komenského Praha s.r.o.	46358978	12	0	12	5	0	0%																									N/A	1 163	57,40	1 889
MŠMT	Vysoká škola finanční a správní, a.s.	26138077	155	1	154	93	5	5%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	20%	0%	0%	80%	0%	20%	0%	0%	80%	2	0	0	2	0	0	0	N/A	4 222	90,91	3 755
MŠMT	Vysoká škola polytechnická Jihlava	71226401	172	22	150	78	13	17%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	8%	8%	23%	62%	0%	0%	8%	15%	77%	3	0	0	2	1	0	0	N/A	2 283	80,21	2 265
MŠMT	Vysoká škola technická a ekonomická v ČB	75081431	425	7	418	134	16	12%	0	N/A	N/A	N/A	N/A	N/A	N/A	0%	6%	0%	31%	63%	0%	6%	0%	0%	94%	23	0	0	1	12	9	1	N/A	4 762	80,58	3 615
MŠMT	Vysoká škola uměleckoprůmyslová v Praze	60461071	89	33	56	25	0	0%																		3	0	0	1	1	0	1	N/A	7 094	75,30	484
			49 253	9 284	39 969	23 077	11 424																			1 079	17	171	347	299	186	59		6 704 500	22 303	285 698

Approved for Module 2 (performance by bibliometry) in 2019 as additional information for panel:

- Comparison of Impact Factor (IF) and Article Influence Score (AIS)
- Counting of publication shares
- Productivity per FTE
- **Large consortium papers will be considered separately**
- **Corresponding authorship**
- **Degree and type of collaboration**
- **Comparison to EU15**



M17+ has five modules and step-wise implementation

Implementation period 2017-2019; complete application of 5-year cycle by 2020/2021

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Central panels

- **MODULE 3 - Social Relevance**

Economic or social impact of research, applied research grants; transfer of results into practice, cooperation with the applications sphere, technology transfer

- **MODULE 4 - Viability**

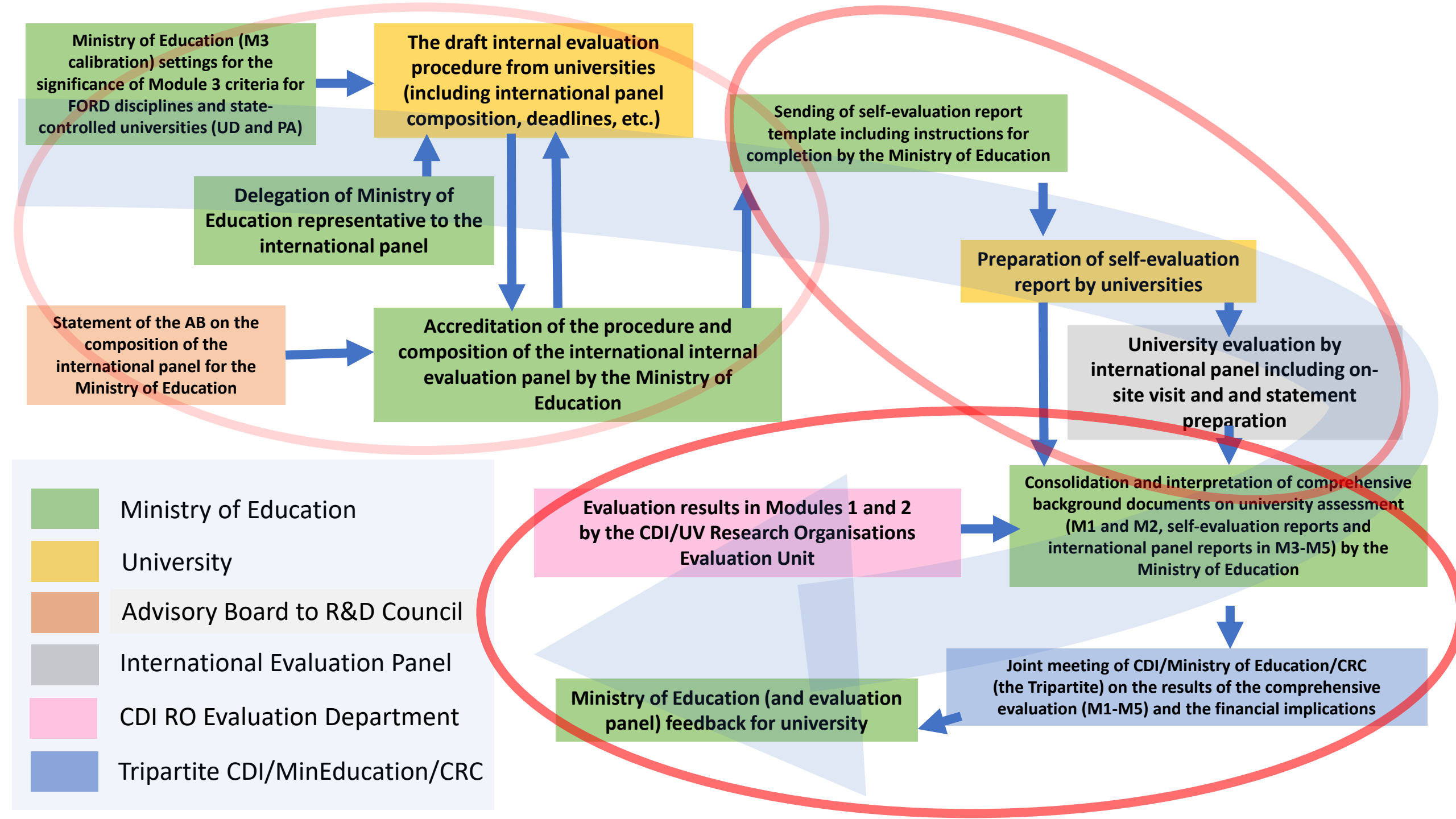
Institutional research environment - i.e. research management, HR, career in research, PhD, instrument infrastructures and sharing, mobility of PhD students and academics, successful engagement of academics in an international research environment, best research practice

- **MODULE 5 – Ambitions and Strategy**

Research strategy, mission and vision, national and international research context, research strategy implementation tools, placement/transfer strategy in university rankings or other external evaluations, effort/tools to increase international reputation

Providers/ROs

Qualitative assessment based on self-evaluation report and on-site visit


Ministry of Education (M3 calibration) settings for the significance of Module 3 criteria for FORD disciplines and state-controlled universities (UD and PA)
The draft internal evaluation procedure from universities (including international panel composition, deadlines, etc.)
Delegation of Ministry of Education representative to the international panel
Statement of the AB on the composition of the international panel for the Ministry of Education
Accreditation of the procedure and composition of the international internal evaluation panel by the Ministry of Education
Sending of self-evaluation report template including instructions for completion by the Ministry of Education
Preparation of self-evaluation report by universities
University evaluation by international panel including on-site visit and and statement preparation
Evaluation results in Modules 1 and 2 by the CDI/UV Research Organisations Evaluation Unit
Consolidation and interpretation of comprehensive background documents on university assessment (M1 and M2, self-evaluation reports and international panel reports in M3-M5) by the Ministry of Education
Joint meeting of CDI/Ministry of Education/CRC (the Tripartite) on the results of the comprehensive evaluation (M1-M5) and the financial implications
Ministry of Education (and evaluation panel) feedback for university
Ministry of Education
University
Advisory Board to R&D Council
International Evaluation Panel
CDI RO Evaluation Department
Tripartite CDI/MinEducation/CRC

MODULE 3 SOCIAL RELEVANCE

SOCIAL CONTRIBUTION OF FACULTY UNDER EVALUATION

3.1. Own evaluation of the social contribution of research in the fields developed at the faculty under evaluation and the faculty as a whole

APPLIED RESEARCH PROJECTS

3.2. Commentary on the list of applied research grants (Annex Table 1)

3.3. Commentary on the list of contract research projects (Annex Table 2)

3.4. Commentary on non-public research revenue (excluding contract research) obtained through research activities (e.g. licences sold; Annex Table 3)

APPLIED RESEARCH RESULTS

3.5. Commentary on significant applied research results with an existing or prospective economic impact on society (Annex Table 4)

3.6. Commentary on significant applied research results with an impact on society other than economic (Annex Table S)

COOPERATION WITH THE NON-ACADEMIC ENVIRONMENT AND TECHNOLOGY TRANSFER

3.7. Overview of the most important academic research interactions with the non-university application/business community (max. 10)

3.8. System and support for technology transfer and intellectual property protection

3.9. Strategy for establishing and supporting spin-off companies (can relate to the whole university, but with an emphasis on faculty specifics)

RECOGNITION BY THE RESEARCH COMMUNITY

3.10. Overview of the most important individual research awards

3.11. Recognition by the international community in the field of research (elected memberships in professional societies, major editorships, invited lectures at foreign institutions, etc.; max 20)

RESEARCH POPULARISATION

3.12. Overview of major activities in research popularisation and communications with the public (max. 10)

12 parameters + tables

MODULE 4 VIABILITY

RESEARCH ORGANIZATION, MANAGEMENT AND SUPPORT

4.1. Research Organization and Management

4.2. Research support system and stimulus measures for top-level science

4.3. Institutional rules for the use of institutional support (Long-term research organisation development plan)

4.4. Strategy for the establishment, funding and long-term development of research centres

4.5. Training system for intellectual property protection and technology transfer

PhD TRAINING

4.6. Doctoral study organisation

4.7. Internationalisation of Doctoral Studies

4.8. Follow-up careers for doctoral graduates (support, examples)

4.9. Funding rules for doctoral students, including foreign students

INTERNATIONAL AND NATIONAL RESEARCH CO-OPERATION AND MOBILITY

4.10. Significant research collaboration at national level

4.11. Significant research collaboration at international level

4.12. Mobility of academic and research staff

4.13. Internationalisation of the internal environment

RESEARCH HUMAN RESOURCES AND CAREER PROMOTION

4.14. Career prospects system for academic and research staff

4.15. System of evaluation for academic and research staff and for filling key research positions

4.16. System for recruiting external research and academic staff

4.17. Human resources structure commentary (Annex Table 6)

4.18. Gender issues

RESEARCH FINANCIAL RESOURCES*

4.19. Commentary on the structure of research financial resources (Table 7 + additional tables)

4.20. Support for the acquisition of foreign research projects

INTERNAL RESEARCH ASSESSMENT AND START-UP STRATEGY

4.21. Internal evaluation system for research units (groups, teams, departments, institutes)

4.22. Conditions for the creation of new teams and the introduction of new research topics (so-called start-up strategy)

4.23. External research advisory bodies

RESEARCH INFRASTRUCTURE

4.24. System for acquisition and renewal of research instruments and equipment (Annex Table X)

4.25. System for sharing instruments and equipment for research

RESEARCH INTEGRITY (CODE OF CONDUCT FOR RESEARCH INTEGRITY, OPEN ACCESS, DATA MANAGEMENT, ETHICAL ISSUES ...)

4.26. Internal rules and measures for maintaining best research practice (e.g. Code of Conduct for Research Integrity, Research Ethics)

4.27. Open Access Strategy for Research (Open Access)

4.28. Research Data Management Strategy

**Except applied research projects that are covered by Module 3*

28 parameters + tables

MODULE 5 STRATEGY AND CONCEPT

MISSION AND VISION IN RESEARCH

5.1. Mission and vision of the institution being evaluated in research

RESEARCH OBJECTIVES AND STRATEGIES

5.2. Research objectives and strategies for the period up the next evaluation

NATIONAL AND INTERNATIONAL RESEARCH CONTEXT

5.3. Link to higher national and multi-national strategic objectives and research actions

5.4. Strategies and measures for placement or shift in international university rankings (including field rankings) and other significant external assessments of research-related institutions

RESEARCH STRATEGY IMPLEMENTATION TOOLS

5.5. Institutional tools for research strategy implementation with an emphasis on promoting high-quality research and an innovative environment

SWOT ANALYSIS

5 parameters
+ SWOT analysis

Relevance of the criteria (M3)

5*	Highly relevant
4*	Significantly relevant
3*	Relevant
2*	Somehow relevant
1*	Marginally relevant

Assessment scale (all three modules)

5 points	Excellent
4 points	Very good
3 points	Good
2 points	Average
1 point	Below average
0	Unsatisfactory

5 degrees of relevance (for M3 only) and 5 quality grades (for all three modules) will make it simple and aggregable as „quantitative assessment“ (on the top of qualitative assessment)

PARAMETRY/KRITÉRIA		KATEGORIE FORD					
		Natural Science	Engineering and Technology	Medical and Health Sciences	Agricultural and Veterinary Sciences	Social Sciences	Humanities and the Arts
3.2.	Projekty aplikovaného výzkumu (Tabulka a komentář)	4*	5*	3*	5*	4*	3*
3.3.	Projekty smluvního výzkumu (Tabulka a komentář)	4*	5*	4*	5*	3*	1*
3.4.	Výnosy z neveřejných zdrojů (Tabulka a komentář)	5*	5*	4*	5*	2*	1*
3.5.	Výsledky aplikovaného výzkumu s ekonomickým dopadem na společnost (Tabulka a komentář)	4*	5*	3*	5*	2*	1*
3.6.	Výsledky aplikovaného výzkumu s jiným než ekonomickým dopadem na společnost (Tabulka a komentář)	3*	3*	5*	3*	5*	5*
3.7.	Interakce akademického výzkumu s aplikační/firemní sférou	4*	5*	5*	5*	4*	4*
3.8.	Systém a podpora transferu technologií a ochrany duševního vlastnictví	5*	5*	4*	5*	1*	1*
3.9.	Strategie zakládání a podpora spin-off firem (lze vztáhnout k celé VŠ s fakultními specifiky)	4*	5*	4*	4*	1*	1*
3.10.	Významná individuální ocenění za výzkum	5*	5*	5*	5*	5*	5*
3.11.	Uznání mezinárodní komunitou v oblasti výzkumu (volená členství v odborných společnostech, editorství, zvané přednášky atd.)	5*	5*	5*	5*	5*	5*
3.12.	Významné aktivity v oblasti popularizace výzkumu a komunikace s veřejností	5*	5*	4*	5*	5*	5*
CELKOVÁ INDIKATIVNÍ RELEVANCE		**48***	**53***	**46***	**52***	**37***	**32***

- **Determining the significance of individual criteria in the FORD disciplines defines the importance of the whole of Module 3 for a particular type of school, and sets its excellence boundary for that module;**
- **The relative significance and information value of modules can be set by the number of criteria;**
- **The quantitative assessment (unsatisfactory to excellent; 0 - 5) can be aggregated;**
- **Qualitative evaluation of individual criteria is optional, qualitative evaluation of the whole module is mandatory;**
- **Point bands for "Excellent" to "Below average" in aggregate rating cases for entire modules are for discussion and can be tuned.**

The purpose and mission of AS CR and Czech universities and suitability of individual modules

	Module 1	Module 2	Module 3	Module 4	Module 5
AS CR	+++	+++	Phase II is quite similar		
Multidisciplinary universities	+++	+++	++	+++	+++
Technical universities	+++	++	+++	+++	+++
Agricultural and veterinary universities	+++	+++	+++	+++	+++
Business schools	+++	++	+++	+++	+++
Art universities	++	+	++	+++	+++
State universities (Military and Police)	++	++	++	+++	+++

QUESTIONS ????