

The process of evaluation of science in Poland

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Science landscape

- ⚙ About 86 000 researchers (FTE)
- ⚙ 371 scientific institutions:
 - ⚙ 159 universities (782 faculties)
 - ⚙ 68 basic research institutes
 - ⚙ 144 R&D institutes and companies

Science landscape

OECD FOS	FTE
Natural Sciences	13,081
Engineering and Technology	22,195
Medical and Health Sciences	13,392
Agricultural Sciences	7,326
Social Sciences	16,204
Humanities	9,097

Source: research by: Korytkowski, Kulczycki

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Goals for science policy

"in the parametric evaluation of scientific units, the quality of research outputs (especially prestigious publications and financially rewarded implementation) should be more important than quantity (...)

In the evaluation, there should be acknowledged only the best research outcomes, and a number of the outcomes should not be just a simple multiplicity of the full-time employment equivalents"

Source: the *Higher Education and Science Development Programme for 2015–2030*

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Evaluation exercises

State Committee for Scientific Research (KBN):

- peer-review: 1991, 1998
- parametric: 2003, 2006, 2010

Committee for Research Units Evaluation (KEJN):

- parametric + peer-review: 2013, 2017

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2017 evaluation in numbers

• 612 825 outcomes submitted :

- JRC publications 157 944
- Publications in Polish journal 218 503
- ERIH publications 12 705
- WoS conference proceedings 22 110
- Monographs 36 799
- Chapters in monographs 101 113
- Artistic works 52 876

For the data quality are responsible scientific units.

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2013 and 2017 evaluations

Four scientific categories:

- ⚙ A+, the leading level in the country
- ⚙ A, very good level
- ⚙ B, acceptable level with the recommendation to strengthen the scientific activity
- ⚙ C, Unsatisfactory level

Categories in 2017	Number of units
A+	62
A	385
B	441
C	111

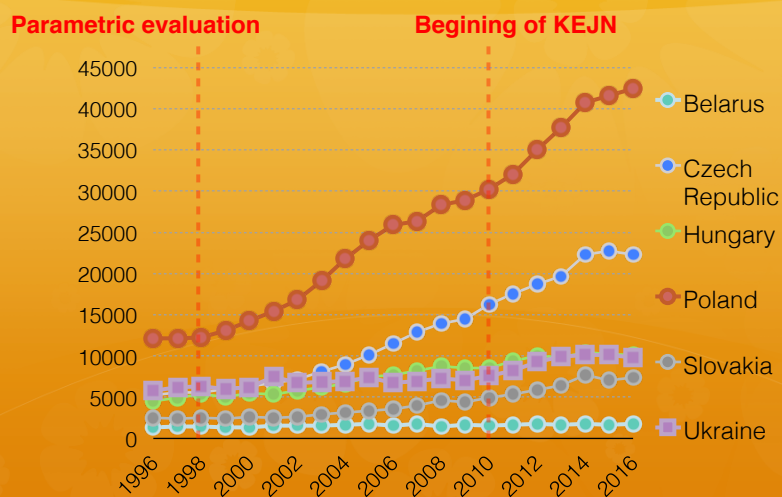
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Challenges

- ⚙ Motivate more researchers to publish in the best journals.
 - ⚙ Too much publications in Polish journals, in particular in technical and social sciences.
 - ⚙ Too small participation of Polish humanities - in the world scientific discourse.
- ⚙ Low scientific level of Polish scientific journals.
- ⚙ Too few indexed Polish journals? (Especially in the humanities and social sciences).

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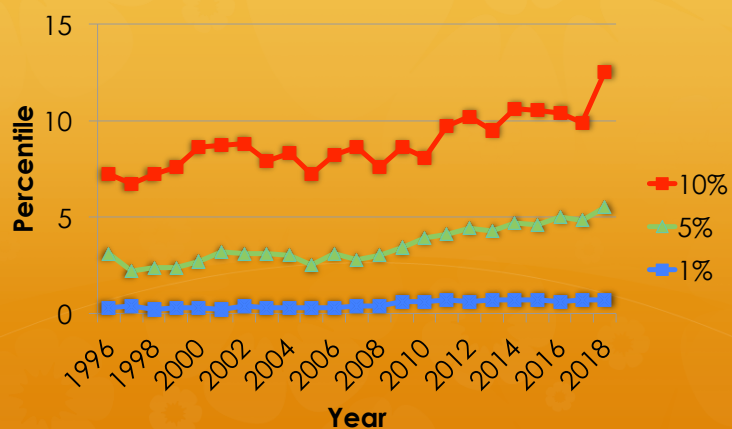
Number of publications in Scopus



Source: Scival

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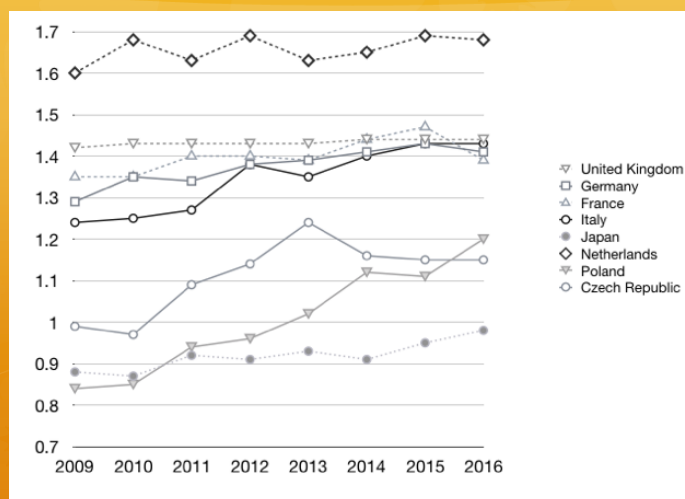
Polish publications in top journals



Source: Scival

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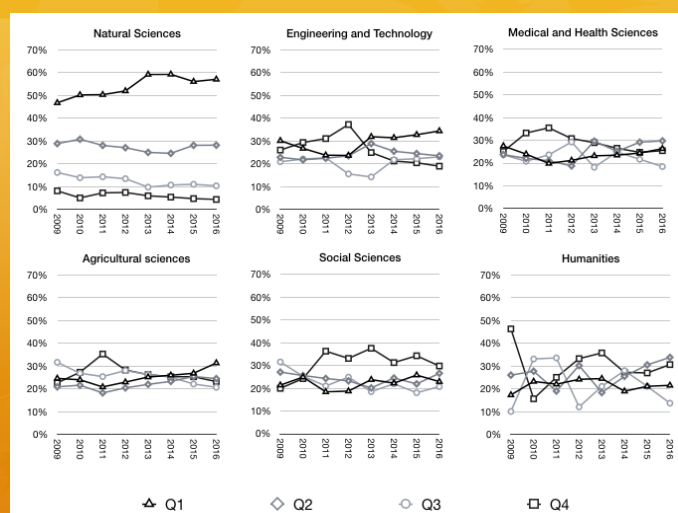
Category Normalised Citation Impact



Source: research by: Korytkowski, Kulczycki

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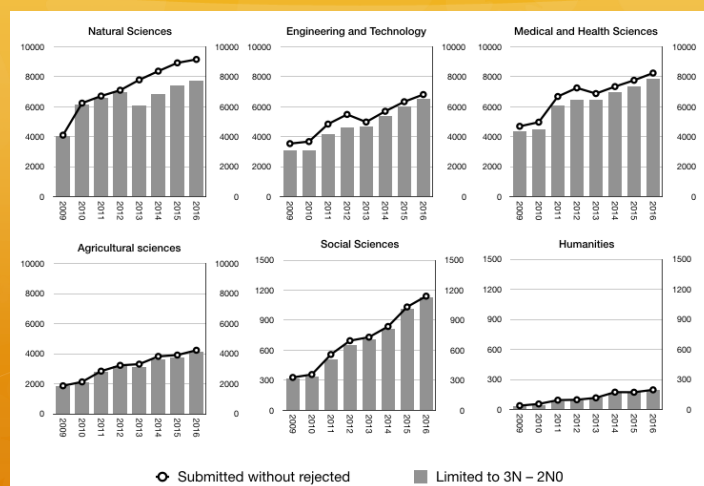
The share of publications in a quartile



Source: research by: Korytkowski, Kulczycki

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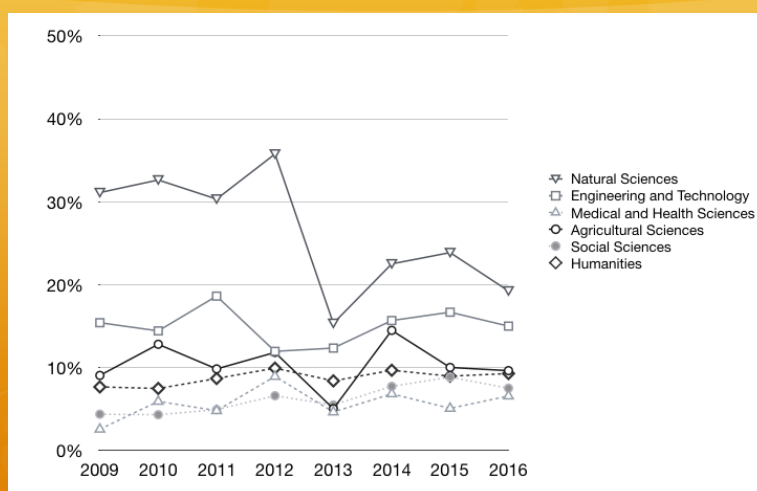
Academic staff publishing in the JCR



Source: research by: Korytkowski, Kulczycki

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A share of monographs in English



Source: research by: Korytkowski, Kulczycki

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Indexation of Polish journals

Among almost 3 000 Polish scientific journals

- 356 indexed in Scopus
- 143 indexed in JCR
- 135 indexed in Emerging Sources

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Reform – Law 2.0

Goals for research:

- Scientific excellence
- Internationalization
- Visibility

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Reform – Law 2.0

- New classification of scientific disciplines
- New evaluation model
- Initiatives for:
 - research universities
 - regional excellence

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Law 2.0 - Evaluation

- Evaluation of disciplines at universities and institutes
- A new list of journals and conference proceedings
- The first list of book publishers
- Support program for Polish scientific journals
- ORCID – mandatory for all researchers

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A new evaluation model

- ⚙ 3 instead of 4 criteria:
 1. Publications + patents
 2. Incomes: grants, R&D projects, commercialization
 3. Societal impact
- ⚙ 3 publications per sum of FTE
- ⚙ Max 4 publications per person
- ⚙ Fractional counting of publications

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A new evaluation model

- ⚙ 5 instead of 4 categories: A+, A, **B+**, B, C
- ⚙ Min 12 FTE in discipline to be evaluated
- ⚙ Transition from organizational classification to qualification-based

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A new list of journals

- Expert based supported by metrics: SNIP, CiteScore, SJR, IF2, IF5, Article Influence, Category Normalized Citation Impact, CORE

2009-2018 scale	2019+ scale	Percentile
1-15	5	
15		
20		
25	20	0-25
30	40	25-49
35	70	50-75
40	100	75-89
45	140	90-96
50	200	97+

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Support program for Polish scientific journals

Support the editorial processes:

- Introduction of journal management systems
- metadata
- DOI
- ORCID
- anti-plagiarism

Up to 500 journals will get founding

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The first list of publishers

- ⚙ First level – 80 pts
meet the ethical and scientific standards of publishing
- ⚙ Second level – 200 (300) pts
recognized as leading by the scientific community

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**Thank you for Your
attention!**

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