CONFIDENCE AND RISC: HOW RUSSIAN PAPERS INDEXED IN THE NATIONAL CITATION DATABASE RUSSIAN INDEX OF SCIENCE CITATION (RISC) CHARACTERIZE UNIVERSITIES AND RESEARCH INSTITUTES

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23rd International Conference on Science and Technology Indicators STI 2018
Leiden, September 2018
«I could show you hills, in comparison with which you’d call that a valley»

Lewis Carroll, “Through the Looking Glass and What Alice Found There”
## Bibliometric data in research evaluation in Russia

|                      | State monitoring                  | Rankings                          | Staff recruiting                  |
|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| **Universities**     | Web of Science CC, Scopus, RSCI, RISC, Google Scholar, ERIH+ | Web of Science CC, Scopus         | Web of Science CC, Scopus, RISC  |
| **Research institutions** | Web of Science CC, Scopus, RISC, Google Scholar | | Web of Science CC, Scopus, RISC  |
## Document types and sources in RISC

| Journals | Publishers | State databases | Scopus | Authors-Copyright holders | Science Index [ORG] |
|----------|------------|-----------------|--------|---------------------------|---------------------|
| Conference Proceedings | - Metadata | - Metadata of RF affiliated documents and citing documents | - Metadata of RF affiliated documents and citing documents | - Metadata of RF affiliated documents and citing documents | - Metadata of RF affiliated documents and citing documents |
| Monographs/Chapters | - Full texts | - Full texts | - Full texts | - Full texts | - Full texts |
| Textbooks/Teaching materials | - Links to full text outside eLibrary | - Links to full text outside eLibrary | - Links to full text outside eLibrary | - Links to full text outside eLibrary | - Links to full text outside eLibrary |
| Article Collections | Metadata | Metadata | Metadata | Metadata | Metadata |
| Theses, patents | Metadata | Metadata | Metadata | Metadata | Metadata |

- Publishers
- State databases
- Scopus
- Authors-Copyright holders
- Science Index [ORG]
Journal list in eLibrary

- eLibrary total - 63536
  - Russian Federation - 14271
    - Indexed in RISC - 5079
    - Indexed in WoS - 348
    - Indexed only in WoS CC - 3544
  - Other countries - 49265
    - Indexed in RISC - 648
    - Indexed in Scopus - 470
    - Indexed both in WoS CC and Scopus - 15883
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RISC Core
eLibrary now

- Total number of documents > 31 mln
- Total number of references > 360 mln
- Total number of authors > 890 thousand
Russian sources in RISC

- Scholarly journals – 5079
  - RSCI on Web of Science platform – 771
  - RISC Core – 1079

- Books – 375206
- Excluded in 2017 – 307 journals

- Excluded in 2018 - 5882

- Monographs – 87504
- Textbooks – 129777
- Conference proceedings – 73826
- Article collections – 37734
- Other - 46365

- Monographs – 7
- Textbooks – 1
- Conference proceedings – 5785
- Article collections – 72
- Other - 17
Distribution of authors by total number of documents in eLibrary

REASONS:
- Different types of documents
- Absence of Author profiles for authors with small number of publications
Distribution of publications by number of authors

- 1 author
- 2-5 authors
- 6-10 authors
- more than 10 authors

Share of documents
The scheme of RISC Core formation

Scholarly journals on eLibrary platform

Selection

RSCI WoS platform

Scopus: AFFILCOUNTRY ("Russia*")

Scopus documents

WoS documents

Citations from RSCI

Citations from Scopus

Citations from WoS

WoS sources, absent from Scopus

Document description can be provided only via Science Index [Org]
Distribution of Russian publications in different journal sets by OECD categories in 2015-2017
Proportion of publications and citations for different source sets in eLIBRARY.RU

| Source Set          | Publications | Citations |
|---------------------|--------------|-----------|
| WoS CC & Scopus     | 60%          | 80%       |
| RSCI only           | 0%           | 20%       |
| VAK journals        | 20%          | 40%       |
| Others              | 20%          | 60%       |
## RISC data as a basis for research evaluation

| Available data:                       | Problems and preferences:                                                                 |
|--------------------------------------|------------------------------------------------------------------------------------------|
| eLibrary total                       | A lot of documents without full data (references absent) or excluded from RISC for different misleading publication policies |
| RISC total                           | A lot of sources with insufficient quality                                               |
| RISC journals                        | Full texts, full metadata, full references                                               |
| Russian “VAK” journals               | Mainly formal criteria for inclusion of journals to this list                            |
| RISC Core                            | Journals with approved quality                                                           |
| Only WoS CC and Scopus journals      | Underestimation of research in Social Sciences and Humanities in Russian language        |
Addition of publication to eLIBRARY.RU platform via Science Index [Org]

*Universities, where the share of RISC Core publications is less than 10% of total number of publications on eLibrary*
Dependence of share of university’s publications in WoS CC and Scopus from STM share
University’s publications in RISC journals: RISC Core vs non-Core journals
Publications of research institutions in RISC journals: RISC Core vs non-Core journals
Local view: Publications of SPbSU departments in different RISC datasets

STM departments

Social Science & Humanities departments
University’s and research institutions publications in RISC Core vs Scopus/WoS CC
University’s and research institutions publications in RISC Core vs RSCI WoS platform
Distribution of RISC Core publications among RSCI and WoS CC & Scopus

*The publications for both axes do not include publications in journals, indexed simultaneously in Web of Science CC, Scopus and RSCI.
Conclusion

◦ RISC Core is optimal for research evaluation of Russian universities and research institutions on national level:
  ◦ Good correlation with Web of Science CC and Scopus publications both for STM and Social Sciences & Humanities
  ◦ Good correlation with RSCI publications (Russian sources, not indexed in Web of Science CC and Scopus) both for STM and Social Sciences & Humanities

◦ Using of RISC Core for research evaluation can prevent data manipulation in RISC like uploading to database via Science Index poorly cited and viewed article collections and proceedings of student conferences
PS

Even informal discussion of presented results in February-March 2018 resulted in changes of university monitoring rules – this year the number of publications in RISC Core is taken into account, instead of RISC publications total.
THANK YOU!

ANY QUESTIONS?

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