

Options for the Use of Bibliometric Information in the Czech R&D Environment

Daniel Münich



Present and Future National Research Evaluation and the Role of Bibliometrics
National Technical Library, December 11, 2013



A joint academic workplace of **Charles University** in Prague and the **Academy of Sciences** of the Czech Republic

Academic research: remarkable publication record in top international scientific journals, highly international body of faculty

PhD and MA education: Czech and U.S. accredited educational program in modern economics. Alumni pursuing academic careers in prestigious university departments around the world and work in international organizations such as the IMF, the EBRD, and the World Bank.

Policy oriented research (IDEA): independent public-policy think-tank focusing on policy-relevant research and recommendations for the Czech Republic with extension to its position in the EU.

Contributing to scientific and public debates in the Czech Republic and world-wide

Presentation outline

1. National vs. other evaluations
2. Current situation in the CR
3. The outlook

#1

National vs. other evaluations

National evaluations

- Not always needed
- Not always possible
- Different purposes
- Have impact on evaluations at lower levels

Bibliometrics

- **Information**
- **For many other than evaluation purposes**
- **Different units of evaluations**
 - Personal
 - Research teams
 - Depts., faculties / institutes, fields, countries
- **Different purposes of evaluations**
 - Personal and team decisions
 - Strategic decisions (fields, infrastructures, institutions)
 - Education
 - Institutional and project funding

#2

Current situation

Current situation in the CR

- National “coffee mill” (allocate money to providers – ministries and ASCR)
- Ministries takes over coffee mill + other purposes
- Universities take over coffee mill
- Faculties are taking over the coffee mill
- AS CR does not take over – own evaluation
- ASCR institutes do not take over

Setbacks of the current national “evaluation”

- Lack of information about
 - Institutional performance
 - Performance of different fields
 - Trends
 - Collaborations and institutional functioning
- Poorly informed strategic decision making and steering and funds allocation ... clashes and inefficiencies, lack of excellence

#3

Outlook

Future of national evaluation

- Augmented version of the coffee mill (2016+)
 - Convex function of field normalized IF journal rank
 - Treats excess journal self-citations
 - All other setbacks of IF remain
- Coffee mill by the MPO 2015+
- Fixing the budgets for a while (how long?)
- IPN Metodika →
- Own providers' evaluations:
 - ASCR evaluation →
 - MSMT ?
 - MPO, MZd, MK, MV,...???

On IPN Metodika

- *Principles of evaluation and funding (2011)*
- IPN project supervised by the MŠMT
- **I**nternational **I**nstitutional **I**nformed **P**eer-Review
 - Structures: institutions, fields
 - Aggregations
 - Utilization of R&D infrastructures
 - Evaluating only the most important R&D outputs
 - Not evaluating individuals, not sure about teams
 - Evaluating **q**uality, **i**mpact, institutional **f**unctioning

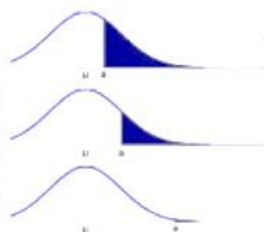
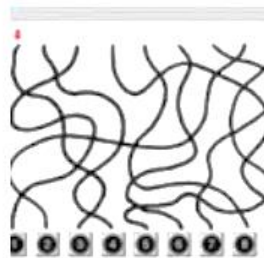
On IPN Metodika (information)

- Use of IS R&D(upgrade needed)
- Utilizing various existing databases
- Utilizing intl. bibl. databases and tools + IS R&D
 - Checks and fixes of data inputs
 - Bibliometrics of selected publication outputs or
 - ...of all publication outputs (fields and institutions)
 - Limits of social and human and technical sciences ...
 - Filtering out misleading features of bibliometrics
 - journal entry growth
 - disregarding misguiding means
 - distinguishing top-cited publications and prestigious journals

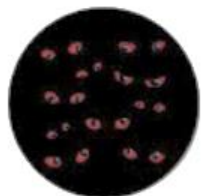
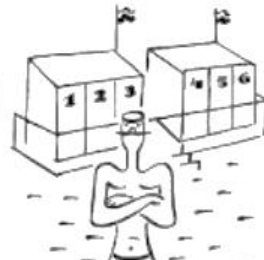
O hodnocení a financování vědy (Daniel Münich s...

Flipcard ▾ Domovská stránka

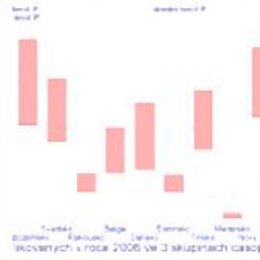
Nejnovější Datum Štítek Autor



REF
Research Exch



Loterie
kafemlejnek
Feb 10th



THE END