Visibility, accessibility, impact, and quality: In search for a joined S&T publishing strategy for the region

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Purpose

• to propose **outlines** of a joint S&T publishing strategy for the region

• to demonstrate **benefits** from such strategy

• based on some **experiences from Serbia**

• what is S&T **publishing strategy**:
  • dealing with LPJ: their status, support, evaluation, etc.
  • in Serbia: not stated, but evident
Impact = Visibility + Accessibility + Quality + Relevance

where:
- I=citation rate; V=metadata availability; A=full text;
- Q=following standards; R=N references shared

Visibility & Accessibility are:
- ⇒ the only necessary conditions
- ⇒ the two first links in the chain

Visibility ⇒ Accessibility ⇒ Quality ⇒ Relevance ⇒ Impact
Journals visibility vs. National WoS impacts

- # citations
- # citations / researchers
- # citations / inhabitants
- $ citations / researchers
- $ citations / science

Journals as full texts
Journals in WoS/JCR
Journals in int. dbases
WoS impact
$ citations / science

Bulgaria
Greece
Croatia
Hungary
Romania
Slovenia
Serbia
Solving the problem

The goals:
⇒ to improve journals quality
⇒ to elevate national impact

Measures, instruments:
⇒ ensuring visibility: SocioFakt to SCIndeks, OAI PMH
⇒ ensuring accessibility: full text, also in Open Access
⇒ categorizing all the journals: monitoring impact and quality
⇒ promoting best of them internationally:
  ⇒ assigning DOI, cross-ref system
  ⇒ recommending best of them to international database aggregators
SCIndeks: Boosting visibility through linking

Assay for the quantitation of serum thyroxine-binding globulin (TBG), which characterised. Sensitivity was found to be favorable (2.0 mg/L). The highly satisfactory precision of the assay was reflected in the low coefficients of variation (less than 5%) found for both intra- and interassay precision at three concentrations. Non-specific binding of the last lot of antigen was less than 2% of the total binding. Linearity of the assay within the range of the standard curve (0-80.0 mg/L) was excellent (r = 0.99) and the analytical recovery was checked by determining the concentration of TBG in serial dilutions. Reproducibility was assessed from the day of antigen incubation and

citation rate

doI (cross-ref)

to the abstract

to the full text

related records
The system works: SCIndeks in Google Scholar

CEON/CEES is the main contributor

most citations come from SCIndeks

all five persons on the top are SCIndeks authors
Journals visibility vs. National WoS impacts

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- Journals in JCR
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- # citations
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- WoS impact
- $ citations / researchers
- $ citations / science

- Bulgaria
- Greece
- Croatia
- Hungary
- Romania
- Slovenia
- Serbia
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## Evaluation - Journal report: Quality indicators

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SCIndeks-CRIS integration to ensure partnering

**CRIS** Current Research Information System

**CERIF** Common European Research Information Format

Main purpose: to locate (and estimate) partners
CERIF: Extended data model

PERSON

- Specialty
- CV

PROJECT

- Contact
- Results: Publication
- Results: Patent
- Results: Product
- Results: Citation

ORGUNIT

- Facility
- Equipment
- Service
- Local Journals
A system linking SEE Locally published journals: S&T information “clearing house”

⇒ built as a joint venture, but
⇒ as a system of independent resources/databases
⇒ sharing only metadata (or supported by federated search)
⇒ including all references/citations to ensure evaluation
⇒ all the rest rest with the owner
Integration at the SEE level: The benefits

Communication:

⇒ more direct, more complete interaction
⇒ more respect by international users and aggregators (Thompson-ISI, Elsevier-Scopus)

Evaluation:

⇒ best possible reference group for comparisons
⇒ inclusion of papers and citations not visible in WoS/JCR
What SEE ERA NET can do: The first step

- Accepting Open Access
- Accepting CERIF, EU standard, as the regional standard
- Building a regional directory of OA journals (ROAD)
- Categorizing regional journals based on JCR and ROAD
Accepting Open Access
Accepting CERIF
Building a directory of regional journals
Categorizing regional journals

⇒ signing an OA declaration: adding B to the present triple B

⇒ encouraging publishers to accept it through the system of journals (co)financing
Accepting Open Access

Accepting CERIF

Building a directory of regional journals

Categorizing regional journals

⇒ to be used in building national CRISs,

⇒ as well as for institutional repositories (websites and portals)

⇒ operable within ERA NET

⇒ open for use by all who want having their own services
Accepting Open Access
Accepting CERIF

**Building a directory of regional journals**
Categorizing regional journals

- containing references as a metadata
- to be used for mapping regional cooperation and citation exchange
- to identify cross-national differences, and comparative advantages
- to relate the findings with external (input) variables
- to shape R&D national policies

What SEE ERA NET can do: The first step
Accepting Open Access
Accepting CERIF as EU standard
Building a directory of regional journals
Categorizing regional journals

- based on both international and regional impact
- to be used as an add-on to ISI JCR in evaluation (not necessarily in a uniform way by all country members)
- to help reducing number of national journals (in favor to regional & international ones)
Concluding remarks

⇒ information integration is the keyword

⇒ information are more easily integrated than people

⇒ usefull and reliable information have no color

⇒ sharing a S&T common information resource naturally leads to the citation exchange

⇒ citation exchange naturally leads to cooperation
Centre for Evaluation in Education and Science
www.ceon.org.yu