

# DOI: kako, kada, gdje i zašto?

Digital Object Identifier u  
znanstvenom izdavaštvu – primjer  
Croatian Medical Journal-a

- 1994. Association of American Publishers

identifikacija sadržaja,  
opis sadržaja,  
pravo na pristup,  
format prikaza,  
zaštita sadržaja,  
informacija o financijskim transakcijama,

- 1997. Frankfurt
- 1998. IDF
- 1999. PILA → CrossRef

# DOI System

- dodjeljivanje alfanumeričkog niza (*numbering*)
- opis sadržaja metapodatcima (*description*)
- razlučivanje? – Handle System (*resolution*)
- pravila za financiranje i operacionalizaciju sustava (*policies*)

korisnik → DOI → resolver → response page



1 Client software -- a web browser, "DOI name-aware" application or other custom-developed tool -- **sends a DOI name resolution request to the DOI System for 10.123/4546** asking for all stored data, or a specific type of data.

10.123/456



3 The client software uses the data supplied by the DOI System to provide a service: URL to **redirect a web browser** to requested content; XML to **display metadata**, binary data to **play a video**, etc.

| DOI NAME     | TYPED DATA                    |
|--------------|-------------------------------|
| 10.123/456   | http://www.here.com/doc.pdf   |
|              | http://www.here.com/music.mp3 |
|              | <xml>                         |
|              | <auth>J.Doe</auth>            |
|              | <date>050211</date>           |
| 10.123/789   | <...>                         |
|              | </xml>                        |
|              | 010010101101011011010101001   |
| 10.123/789   | http://www.acme.com/doc.html  |
| 10.678/..... |                               |

2 The DOI System stores **persistent identifiers** with associated data that can be changed easily -- URLs, XML, Binary Data (Music, Video), etc., and **responds to the resolution requests** with the data requested by the application.

# DOI Name

- standard za identifikaciju i trajno lociranje mrežno objavljenih materijala (tekst, zvuk, slike, softver)
- ISBN, ISSN (identifikacija)
- URL (lokacija sadržaja)
- DOI (mrežna dostupnost, stalnost, međupovezivanje – crosslinking)

# DOI

10.3325/cmj.2008.2.233

10.1177/0272431603023002002

10.1093/eurpub/cki071

URL: <http://dx.doi.org/10.1093/eurpub/cki071>

sufiks: 128 znakova

## Only When Complete Evidence Is Published, Can the Public and Scientific Community in Croatia Make a Fair Judgment

To the Editor: The editors of the *Croatian Medical Journal (CMJ)* invited their readership to comment on a recent incident that brought their editorial freedom into question (1). As a response to that invitation, let me express my opinion. The *CMJ* editors informed the international community on the incident by publishing facts, questions, answers, views, and interpretations. This is a highly professional approach which

can elucidate the position of the editors in the best possible way. I fully support the proposal that the opposite parties (Prof. Slobodan Vukičević, the Dean, Prof. Nada Čikeš) formulate, document, and publish their reasons for dissatisfaction with the *CMJ* and its editors. The other three owners of the journal should voice their suggestions for the resolution of the situation. Only when complete evidence is published (but

not unconfirmed statements, lost reports, etc.), can the public and scientific community in Croatia make a fair judgment.

Damir Viličić

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*Acad. Bosunice Croatia*, Editor  
Zagreb, Croatia

### References

1. Marusic M, Marusic A. Threat to the integrity of the *Croatian Medical Journal*. *Croat Med J*. 2007;48:779-85. Medline:18074411

## Safe-guarding Good Scientific Practice – Is It Worth It?

*"Years ago society accorded science the privilege of governing itself. If it finds that its trust continues to be betrayed, the politicians will step by default"*

S. Lock (1)

To the Editor: The readers of the *Croatian Medical Journal (CMJ)* are witnesses that, long ago, the editors of the *CMJ* have placed themselves under the ob-

ligation to take actions in favor of good scientific practice, the important part of which is the good editorial practice. Their efforts to achieve this goal were, and still are, fruitful – several articles, editorials and books were published, in which the *CMJ* editors acted as educators of good scientific practice (2-4). Moreover, the *CMJ* appointed the editor for responsible conduct of

research – the very first position in this part of the world. These and many other achievements (5) made the *CMJ* inspiring for the journal editors in small scientific communities.

Sometimes, editors of scientific journals face unpleasant situations – unethical (fraudulent) behavior of each of the main actors in the publishing game – authors, reviewers, and editors.

## request membership info

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phone:\*

title:

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type of  
organization:

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☐ I prefer to be contacted by email.

state, zip:

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|-----------------------------------------------------|
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| If so, please name the larger organization:         |

**Membership category.** Each PILA member must self-categorize into one of eight fee categories based on total (gross) publishing revenue *before expenses are taken into account*. Total (gross) publishing revenue includes all publishing-related proceeds from all the divisions of an organization (primary and secondary) for all types of activities (advertising, books, journals, databases, article charges, author fees, publication grants, institutional memberships, etc.). For membership organizations, member dues allocated to subscriptions are to be included in total publishing revenue. Please check one category below. (CrossRef reserves the right to verify your designation and will use available information to categorize members who fail to self-categorize):

| GROSS PUBLISHING REVENUE*     | ANNUAL FEE | CHECK ONE: |
|-------------------------------|------------|------------|
| < \$1 million                 | \$250      |            |
| \$1 million - \$5 million     | \$500      |            |
| \$5 million - \$10 million    | \$1,500    |            |
| \$10 million - \$25 million   | \$3,500    |            |
| \$25 million - \$50 million   | \$7,500    |            |
| \$50 million - \$100 million  | \$12,500   |            |
| \$100 million - \$200 million | \$20,000   |            |
| >\$200 million                | \$30,000   |            |

\* For organizations that publish scholarly information as an ancillary activity, such as government organizations, the higher of either (1) *total expenses for publishing operations* or (2) *gross publishing revenue* should be used in determining the appropriate membership fee.

**Publication Information.** Please specify, to the best of your ability, the type (journal articles, books, proceedings, working papers, dissertations, etc.) and amount of content you intend to register in 2007 (attach an additional form if more than three content types are to be registered):

|                                                                                                                                                                                                                                                                                                                | Type 1<br>(e.g. journals) | Type 2<br>(e.g. books) | Type 3<br>(e.g., ref.wks) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------------------|
| Publication type(s):                                                                                                                                                                                                                                                                                           |                           |                        |                           |
| Number of DOIs for current content to be deposited in 2007                                                                                                                                                                                                                                                     |                           |                        |                           |
| Number of DOIs for legacy content to be deposited in 2007                                                                                                                                                                                                                                                      |                           |                        |                           |
| Does this content undergo peer review?                                                                                                                                                                                                                                                                         |                           |                        |                           |
| Does this content contain reference citations? If yes, what is the expected timeframe for adding CrossRef reference links to this content?                                                                                                                                                                     |                           |                        |                           |
| Is this content original? <i>Please be advised that CrossRef only permits DOIs to be assigned to original material for which there is no actual or anticipated duplication. Please see the "publisher rules" section of the CrossRef website for further details on eligible materials for DOI assignment.</i> |                           |                        |                           |

An approximation of the number of articles that you will deposit in 2007. You do not have to give exact numbers. Usually it is one DOI per article. So if you are planning to deposit 100 articles the you would enter 100 DOIs in the correct field.

In 2007 current content is anything published between 2005-2007. So any articles that you published between 2005-2007 will be current.

In 2008 current content will be anything published between 2006-2008.

## **Croatian Medical Journal**

You can now begin using CrossRef.

Your DOI prefix is **10.3325**

To access the CrossRef members' only section of the web site  
<http://www.crossref.org/06members/> please use the following:

Username: **cr\_member**

Password:

Your user name and password to access the CrossRef system <http://doi.crossref.org> is:

Username: **crmj**

Password:

There is a help tab there that should give you information on how to get started.

# welcome, members

## Featuring:

- Sign up for the [Member Email List](#)
- The latest [Member Update](#) (February, 2008) is available in HTML and PDF.
- Recent CrossRef [Webinars](#)
- A new page on [DOI Ownership Transfer Policies](#) (updated June 18, 2007) is available - this document gives an overview of the current policy on DOI ownership transfers. The page also describes the situation where a journal changes ownership but the publisher selling the journal retains the backfiles and the publisher buying the journal also makes the backfiles available (resulting in the backfiles being available in two locations) and some possible policies to deal with this.

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## 2.6 Publishing DOI names in print

Since most publication of content is via a mix of digital and print media, there are often requirements for a DOI name to be reproduced in print. A publisher might put the DOI name in the document it names, and insure that the DOI name appears whenever the item is downloaded or printed. It also might appear in the print version of a digital version. If the DOI name is represented by a button on a Web page, the Web browser will display the full DOI name at the base of the browser window when the cursor is moved over the button.

Whereas in a digital context a DOI name might be assumed to be contextualized and updated (the active link it is referencing can be "wired" correctly), a print version cannot be updated or changed once released. Showing DOI names in print for e.g. journal articles tells people what an article's DOI name is, but it doesn't tell people how to access it on the Web; readers will not necessarily know that the DOI name is actionable. To do that, one may print the DOI name in a readily recognised form such as the http proxy server URL form e.g. <http://dx.doi.org/10.1002/prot.9999>. There are however a couple of reasons to hesitate showing the URL form: the URL is not the article's identifier, the DOI name is; and maybe the dx.doi.org form of the URL will not be the most persistent form, keeping in mind that these print copies will be around and immutable for many decades, even centuries.

In practice one can feel safe in using the dx.doi.org formulation. It should continue to work for many years even if and when it is common to use DOI names in some other formulation. But if we are talking about centuries we will have moved beyond http:// as the most recognised route of access. So while it may be awkward, we recommend some convention of showing both the plain DOI name and a way to resolve it online (a shorthand way of saying "the DOI name for this article is 10.1002/prot.999 and current information may be found on the web through <http://dx.doi.org/10.1002/prot.999>" or "...available via <http://dx.doi.org/...>"). For example:

doi: 10.1002/prot.999

For current information see <http://dx.doi.org/10.1002/prot.999>

# <http://www.crossref.org/SimpleTextQuery/>

This form allows you to retrieve Digital Object Identifiers (DOIs) for journal articles, books, and chapters by simply cutting and pasting the reference list into the box below. You may use the form with any reference style, although the tool works most reliably if references are formatted in a standard style such as shown in this example:

Clow GD, McKay CP, Simmons Jr. GM, and Wharton RA, Jr. 1988. Climatological observations and predicted sublimation rates at Lake Hoare, Antarctica. *Journal of Climate* 1:715-728.

To test the interface, simply cut & paste this reference!

Please separate individual references by a blank line. For best results, there should be no line breaks within an individual reference. When submitting multiple references they must be in alphabetical order or presented as a numbered list. For editorial purposes, to check the accuracy of a reference click on the DOI link that is returned with the reference.



Enter text in the box below:

Puljak L, Brnjac Kraljevic J, Barac Latas V, Sapunar D. Demographics and motives of medical school applicants in Croatia. *Med Teach*. 2007;29:e227-34.

☐ List all possible DOIs per reference.

Submit

<http://www.crossref.org/webDeposit/>

Step 1: Select Data Type

Data Type Selection

Select Data Type: ☒ Journal ☐ Book ☐ Conference Proceedings ☐ NLM File **BETA**

Step 2: Identify the Journal

Journal information

Title\*+ Croatian Medical Journal

Abbr.\*+ Croat Med J

Journal DOI+ 10.3325/cmj

URL+ <http://www.cmj.hr/htm>

Print ISSN\*+  Elect ISSN\*+ 13328166 one ISSN required (either one)

Volume 49 Issue 3

Issue DOI 10.3325/cmj.2008.3

URL <http://www.cmj.hr/49/3/4902.htm>

Publication date (numerical values, yyyy mm dd)

Year\*+ 2008 Month: 6 Day: 15

Submit Journal DOI

Add Articles

<http://www.crossref.org/webDeposit/>

Step 3: Input the article metadata.

Deposit Data

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  <abbrev_title>Croat Med J</abbrev_title>
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  <doi_data>
    <doi>10.3325/cmj</doi>
    <resource>http://www.cmj.hr/html</resource>
  </doi_data>
</journal_metadata>
<journal_issue>
```

Article information

Title\*

Author:

First Name

Last Name\*

DOI\*

URL\*

First page:

Last page:

Add Another Article

Finish

Cancel

# XML

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
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http://www.crossref.org/schema/3.0.3/crossref3.0.3.xsd">
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      <email_address>mkgaspic@mef.hr</email_address>
    </depositor>
    <registrant>University of Zagreb (10.3255)</registrant>
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</doi_batch>
```

**Treba li nam, uopće, taj DOI?**

| Registration Agency            | Prefixes | DOI name registrations<br>Jun-Oct 2007 | DOI name registrations<br>to date |
|--------------------------------|----------|----------------------------------------|-----------------------------------|
| CrossRef                       | 945      | 2,135,117                              | 29,517,872                        |
| Bowker                         | 74       | 3,031                                  | 745,873                           |
| TIB                            | 11       | 41,583                                 | 540,601                           |
| CNRI/default<br>(experimental) | 66       | 190                                    | 143,477                           |
| <i>m</i> EDRA                  | 410      | 14,111                                 | 126,895                           |
| Nielsen BookData               | 211      | 9                                      | 36,578                            |
| CAL                            | 270      | 16                                     | 451                               |
| OPOCE                          | 300      | 33                                     | 57                                |
| Wanfang Data*                  | 2        | 0                                      | 0                                 |
| TOTAL                          | 2027     | 2,592,775                              | 28,419,009                        |

International DOI Foundation (IDF)



Registration Agencies (RA)



DOI names

Digital Object Identifier (DOI) Repository that contains articles from the leading Serbian scientific journals. All articles are published under Open Access.

■ National Library of Serbia

■ KoBSON

■ Serbian Ministry of Science

Driving force behind open access

## Open Access

Authors: their work is not seen by all their peers – do not receive the recognition they deserve

Readers: cannot view all research literature they need – less effective

Libraries: cannot satisfy information needs of their users



### News

#### 26.4.2007 • New issue

Facta Universitatis

#### 26.4.2007 • New journals

15 new journals added to doiSerbia repository.



Acta periodica technologica

Acta veterinaria

Archive of oncology

Archives of Biological Sciences

Bulletin: Classe des sciences mathématiques et naturelles

Ekonomski anali

Facta universitatis - series: Physics, Chemistry and Technology

Filozofija i društvo

Geološki anali Balkanskog poluostrva

Izveštaji

Journal of Mining and Metallurgy, Section B: Metallurgy

Journal of the Serbian Chemical Society

Jugoslovenska medicinska biohemija

Juznoslovenski filolog

Medionski pregled

Nuclear Technology and Radiation Protection

Publications de l'Institut Mathématique

Science of Sintering

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Starinar

Stomatološki glasnik Srbije

Teniska

Theoretical and Applied Mechanics

Thermal Science

Yugoslav Journal of Operations Research

Zbornik Instituta za pedagoška istraživanja

Zbornik radova Vizantološkog instituta

DOI je jedinstvena alfanumerička niska dodeljena pojedinačnom digitalnom objektu (članku, poglavlju u knjizi i sl.). Preko te oznake uspostavlja se veza do Internet stranice na kojoj se dokument nalazi. Povezivanje podataka o člancima, DOI brojeva i veb adresa obavlja se preko servisa CrossRef ([www.crossref.org](http://www.crossref.org)). Taj servis održava bazu DOI brojeva, meta-podatke i linkove do punih tekstova. DOI u Srbiji Uobičajeno je da se izdavači naučnih časopisa obraćaju CrossRef-u za pristupanje sistemu i pripremu meta podataka prema zadatim standardima. To je opravdano kada jedan izdavač izdaje više desetina časopisa. Kako u Srbiji većinu časopisa izdaju asocijacije ili institucije, to se čini umesnim da se dodela DOI brojeva i priprema meta podataka objedini i time učini jednostavnijom i efikasnijom. U proteklom periodu u Narodnoj biblioteci Srbije je ispitan i primenjen celokupan DOI sistem, i uspostavljena je saradnja sa CrossRef-om. Ministarstvo za nauku i zaštitu životne sredine je finansiralo dodelu DOI brojeva člancima iz pet naših časopisa, i to za period od 2002. do 2005. godine. Sa izdavačima tih časopisa potpisan je ugovor o dodeli DOI brojeva, i utvrđena su međusobna prava i obaveze. Planirano je da se broj časopisa koji će ući u ovaj sistem poveća u toku naredne godine.

cost/benefit

pojedinačan pristup/centralizirani pristup