

# *A data-based analysis of Open Access trend*



UCLPRESS

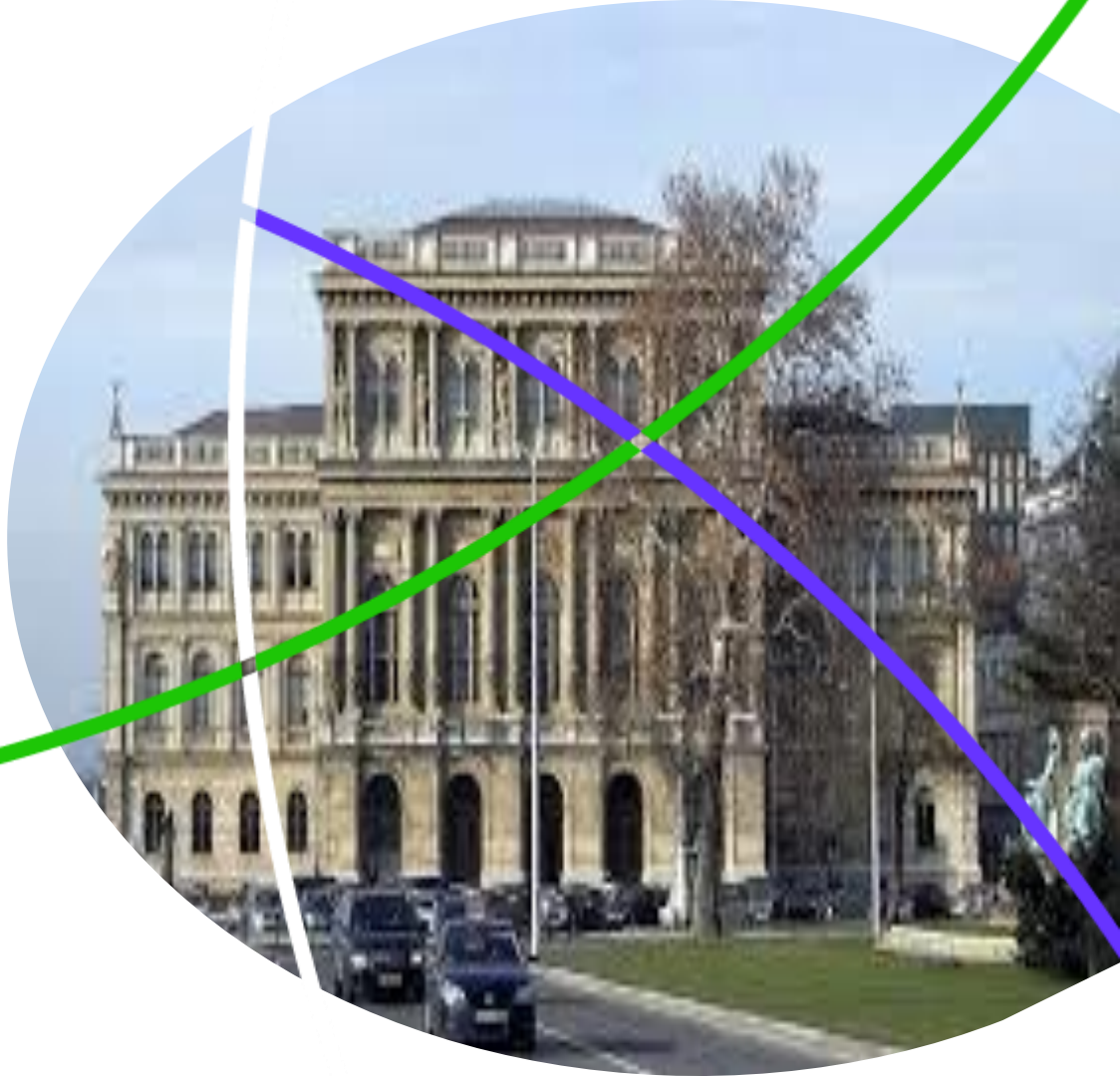


**TWITTER: #OS18BUD**

**Sli.do code: F1115 ([www.sli.do](http://www.sli.do))**

**November 15<sup>th</sup>, 2018**

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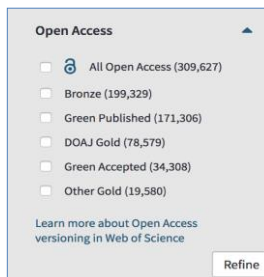
# Road to OPEN ACCESS discoverability

2014

Jun 2017

Oct 2018

H1 2019





# REF2021

Research  
Excellence  
Framework

Clarivate Analytics has won the contract to provide citation data for the UK's upcoming research excellence framework, beating rival Elsevier to the job.

Clarivate's Institute for Scientific Information will provide data about how many times outputs submitted to the REF 2021 have been cited in other publications, drawing on its Web of Science database. Eleven of the exercise's 34 expert panels have said that they plan to use citation data to help inform their judgements about the quality of outputs.



Tread carefully with  
altmetrics, European  
Commission told

MORE

The Philadelphia-headquartered company won the contract in a formal tender process, which also involved Elsevier, the provider of citation data for REF 2014.

Kim Hackett, the REF director at Research England, said that panels would follow the

Clarivate Analytics has won the contract to provide citation data for the UK's upcoming research excellence framework, beating rival Elsevier to the job.

REF 2021. The use of citation data in this exercise presents a key opportunity to build on the principles of the responsible use of metrics," she said.

Jonathan Adams, director of Clarivate's ISI, said that the contract offered the opportunity "to ensure that data and indicators that support output assessment in the REF are not only of the highest quality and relevance but are also fully understood so they can be used informatively and responsibly".

Institutions taking part in the REF will be able to view the citation counts for items that they plan to submit to relevant units and to confirm that a correct match has been identified by assessors.

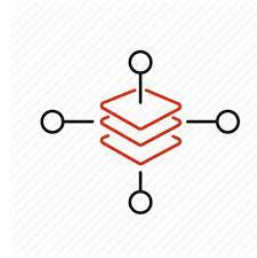
# OPEN ACCESS analysis



Overall  
Trend



Discoverability  
& Diffusion



Data  
Integration



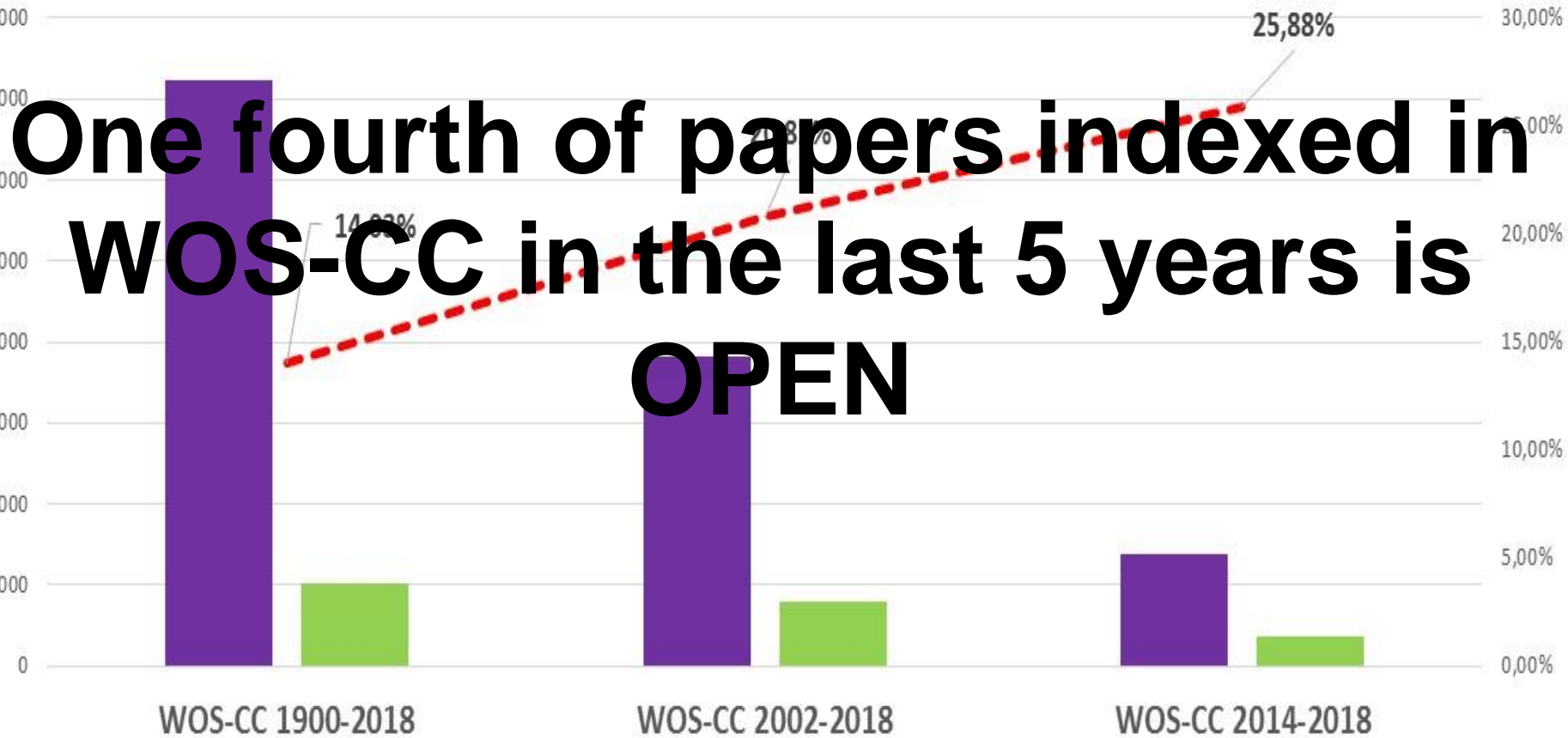
Funded  
based



Impact

# OA documents in WOS-CC

Total Records OA Records Percentage



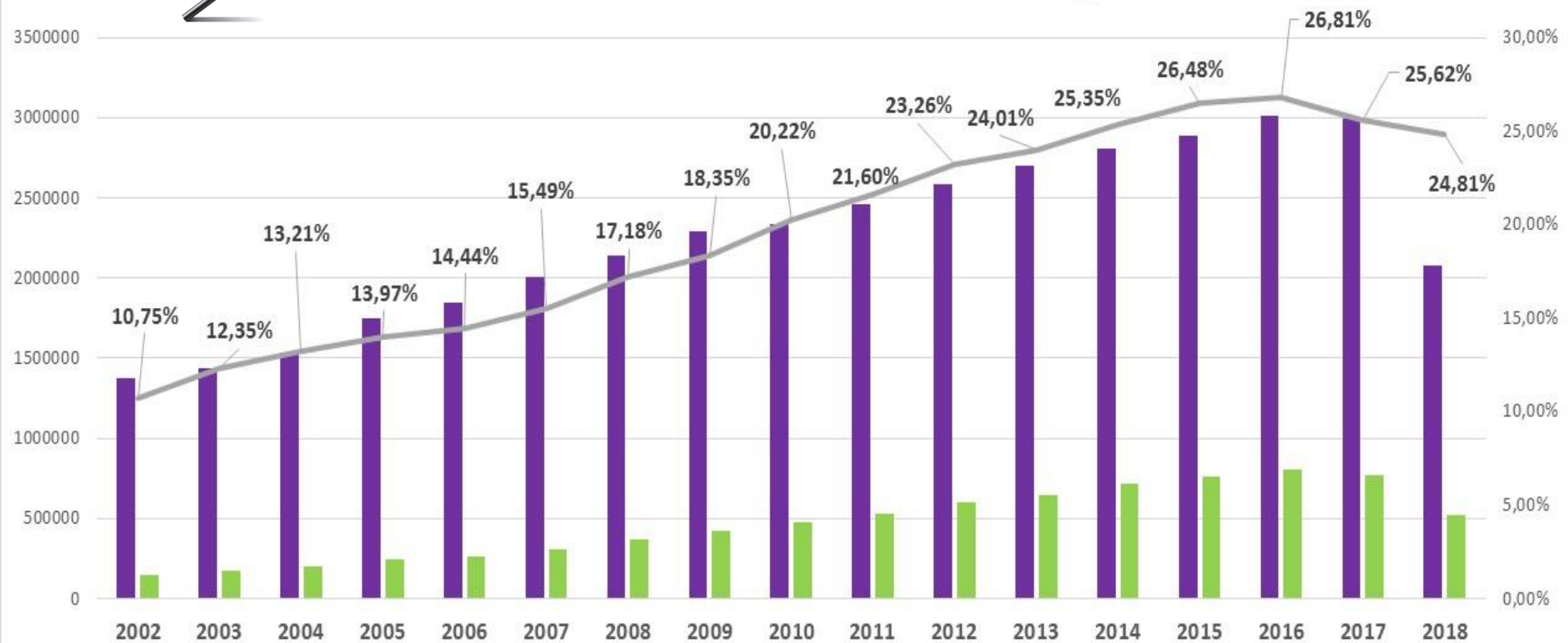
**One fourth of papers indexed in WOS-CC in the last 5 years is OPEN**

# OA growth is basically flat in the last 5 years



OA documents In WOS-CC

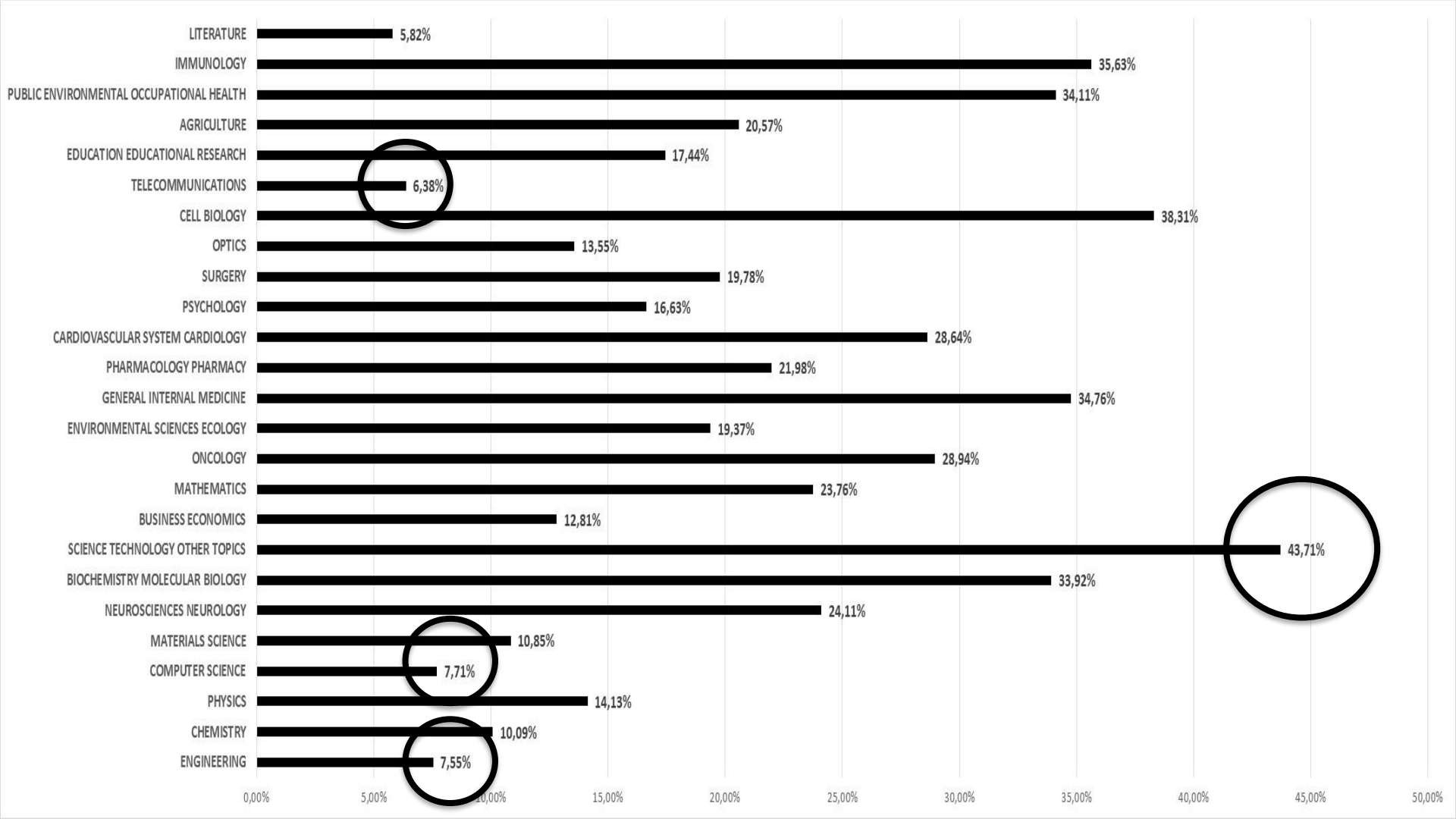
Total Records Oa Records Percentage





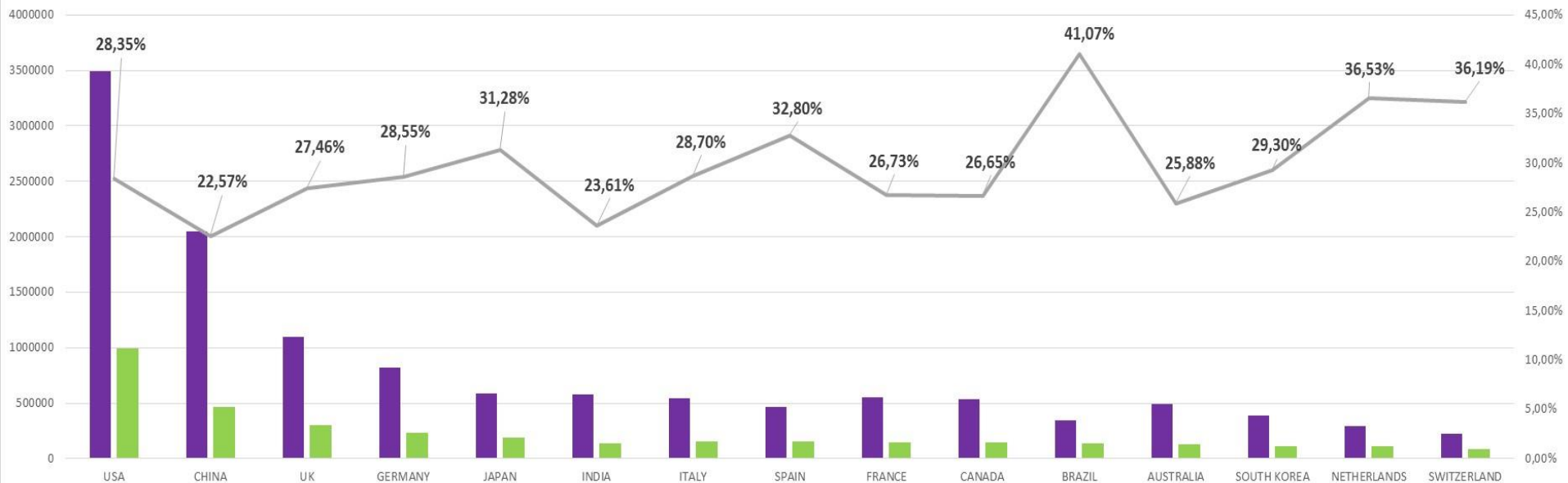
## First 250 journals by IF 2017

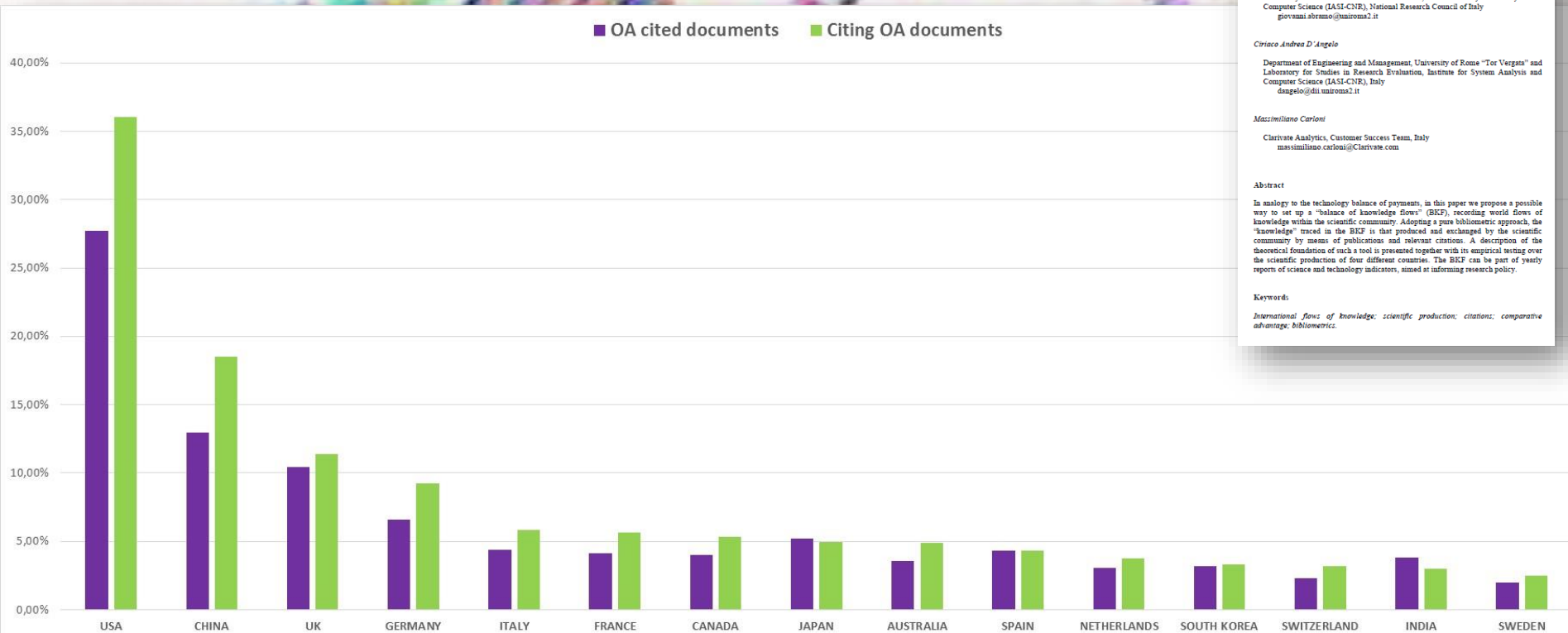




OA percentage WOS-CC documents by country

Total Records OA Records Percentage





### The balance of knowledge flows

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#### Abstract

In analogy to the technology balance of payments, in this paper we propose a possible way to set up a "balance of knowledge flows" (BKF), recording world flows of knowledge within the scientific community. Adopting a pure bibliometric approach, the "knowledge" traced in the BKF is that produced and exchanged by the scientific community by means of publications and relevant citations. A description of the theoretical foundation of such a tool is presented together with its empirical testing over the scientific production of four different countries. The BKF can be part of yearly reports of science and technology indicators, aimed at informing research policy.

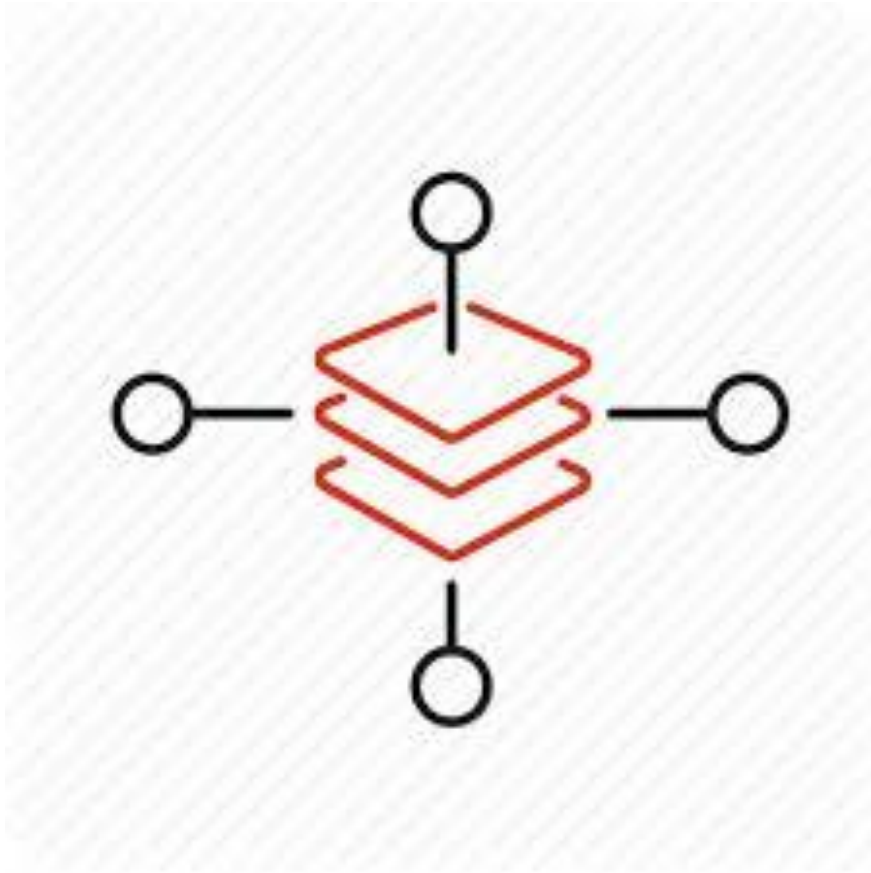
#### Keywords

International flows of knowledge; scientific production; citations; comparative advantage; bibliometrics.

# The balance of knowledge flows



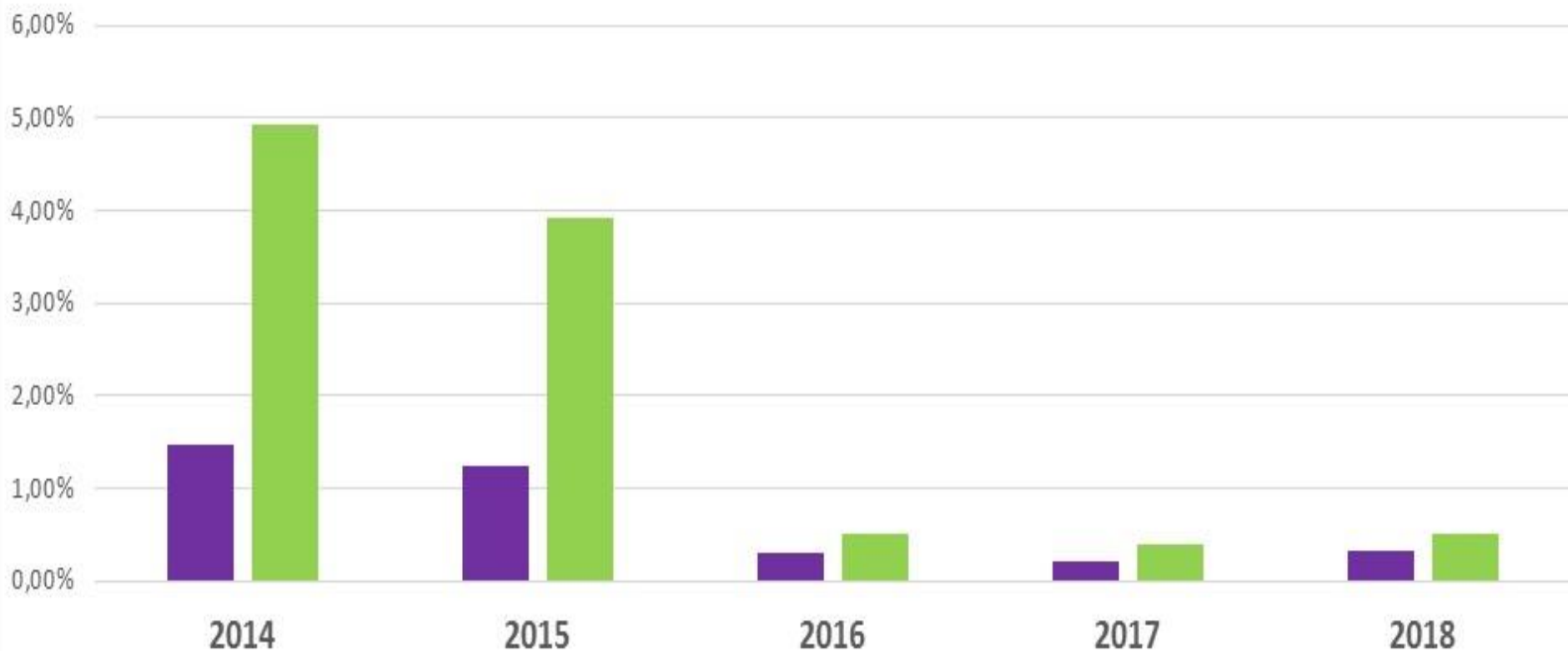
**International Collaboration 20% → 35%**



**IS OPEN  
ACCESS  
ALSO PAVING  
THE WAY TO  
OPEN  
SCIENCE ?**

## Percentage of papers with a linked dataset

■ WOS DOCS 2014-2018   ■ OA DOCS 2014-2018

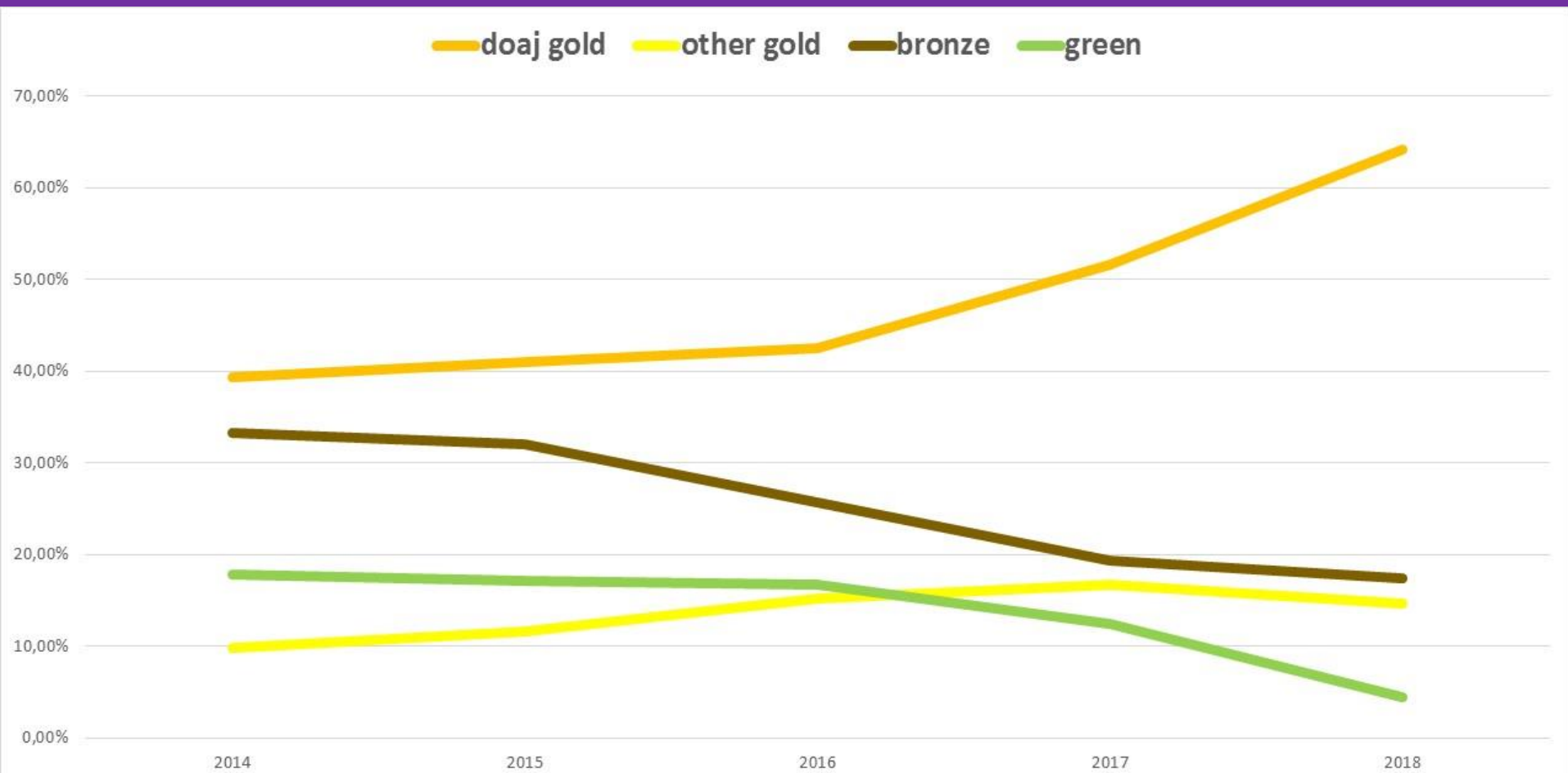


Percentage of WOS Funded Papers

Percentage of OA Funded Papers

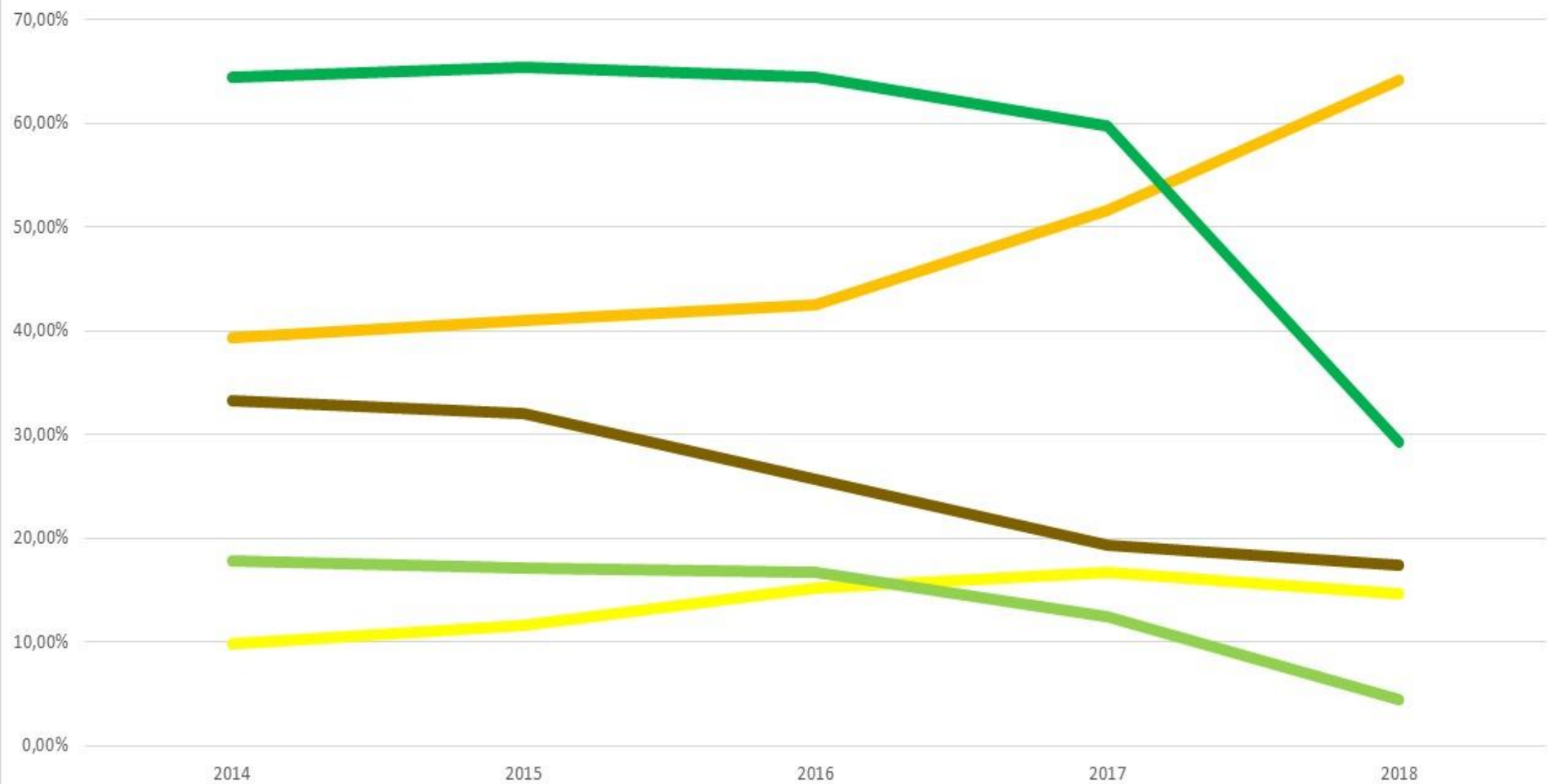


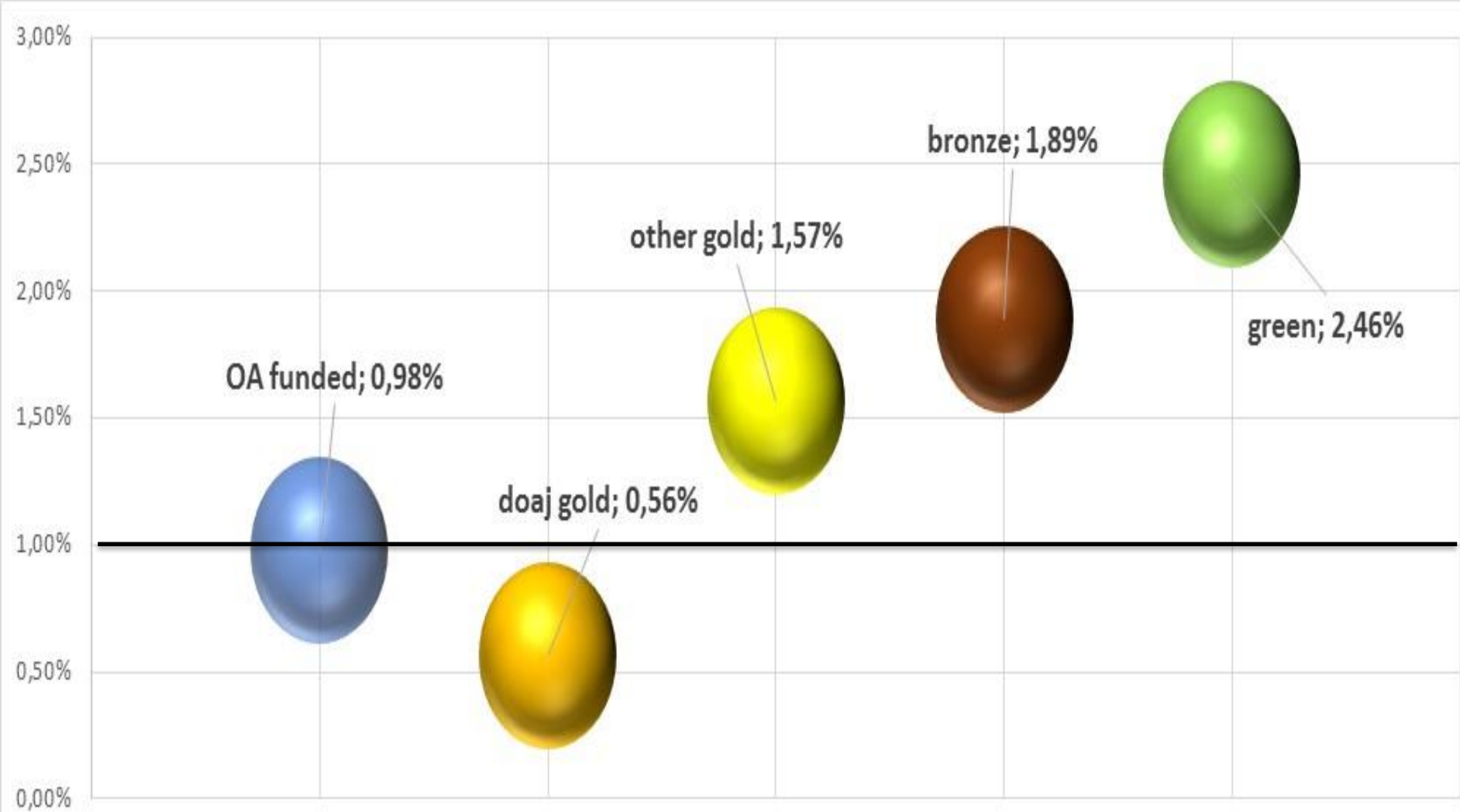
# Around 35% of “funded” papers are OA

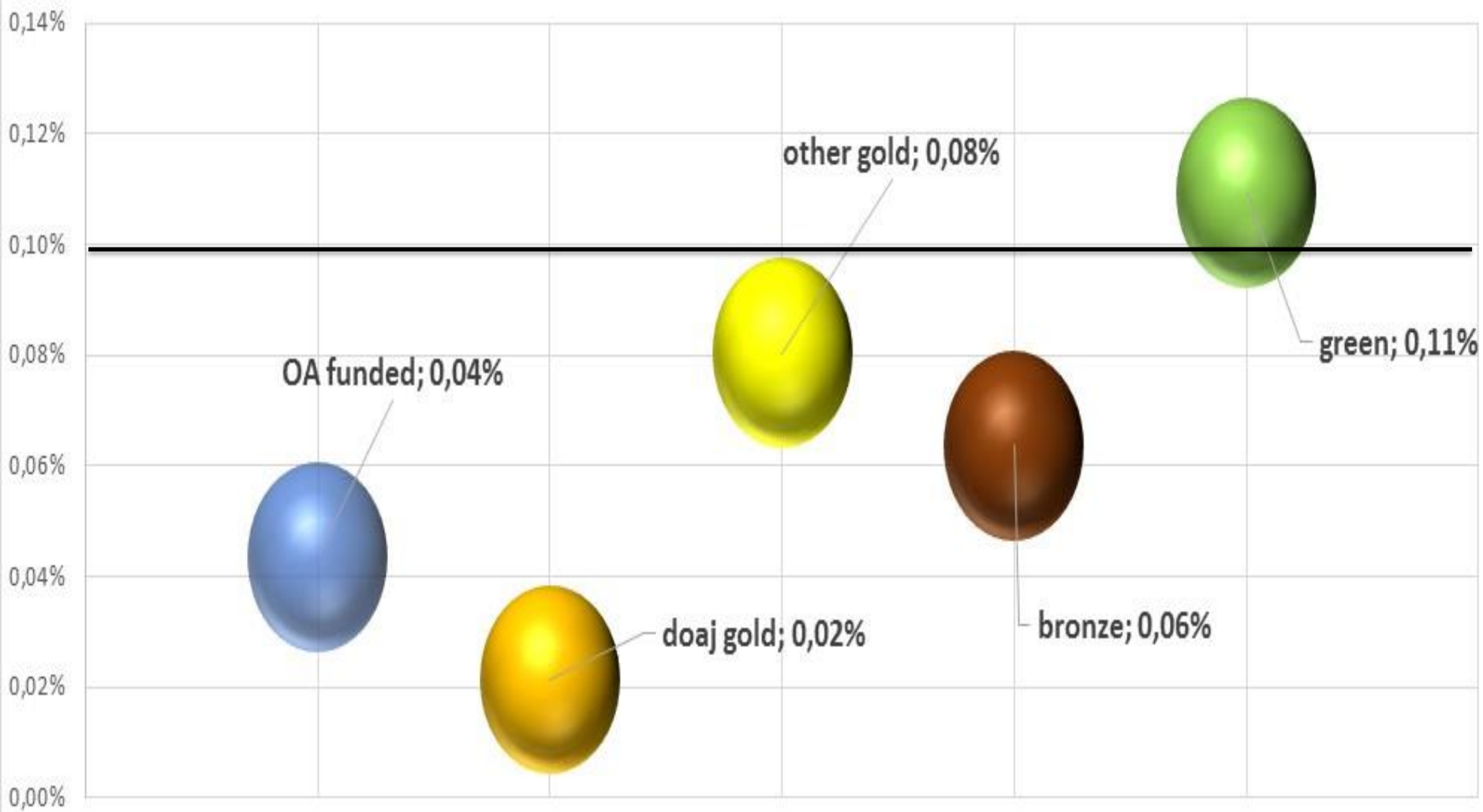




doaj gold other gold bronze green TOTAL green







## OA Adoption (1999-2018) Hungary and surrounding countries

**HUNGARY 22,55%**

**AUSTRIA 23,95%**

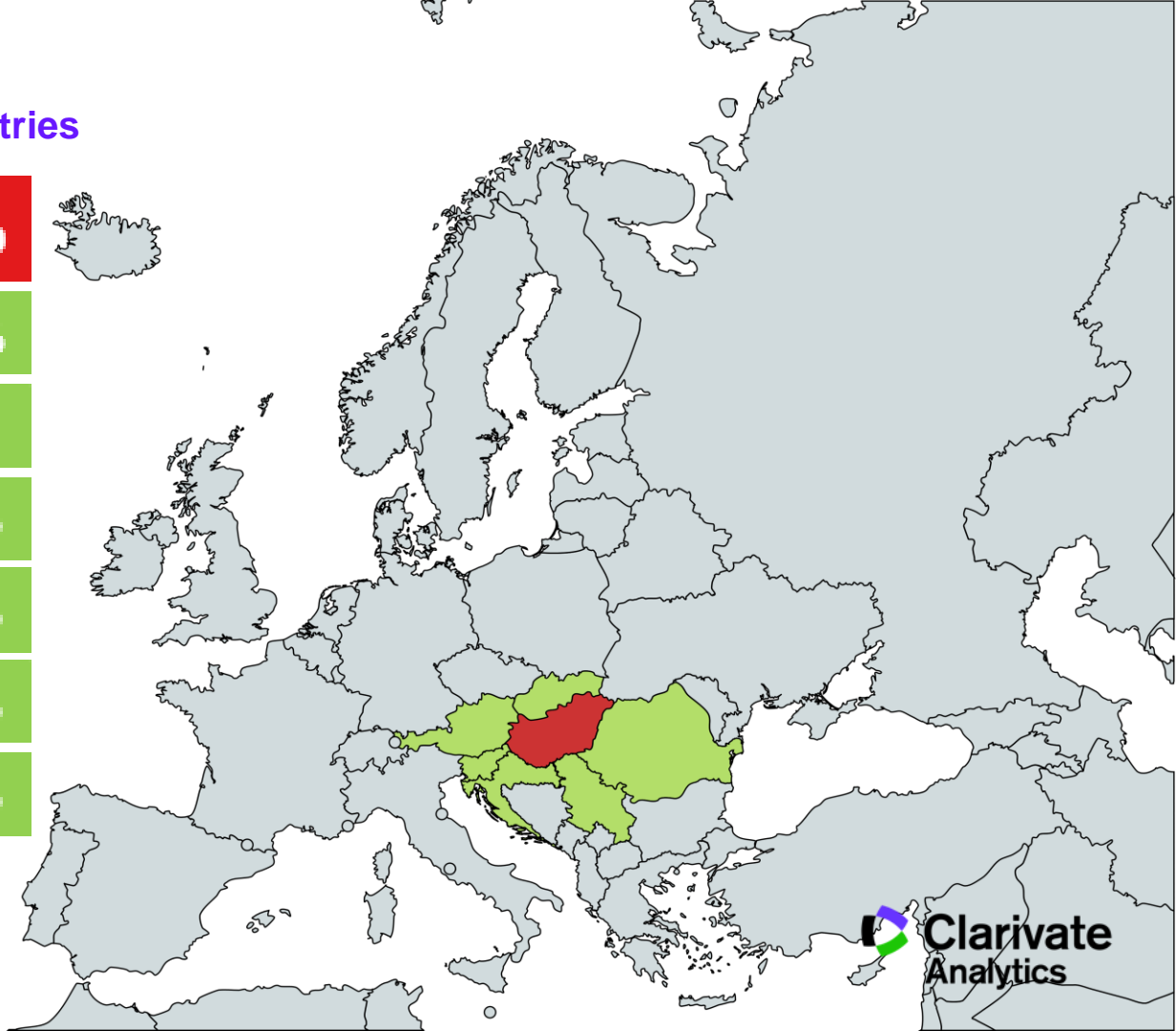
**CROATIA 27,10%**

**ROMANIA 17,88%**

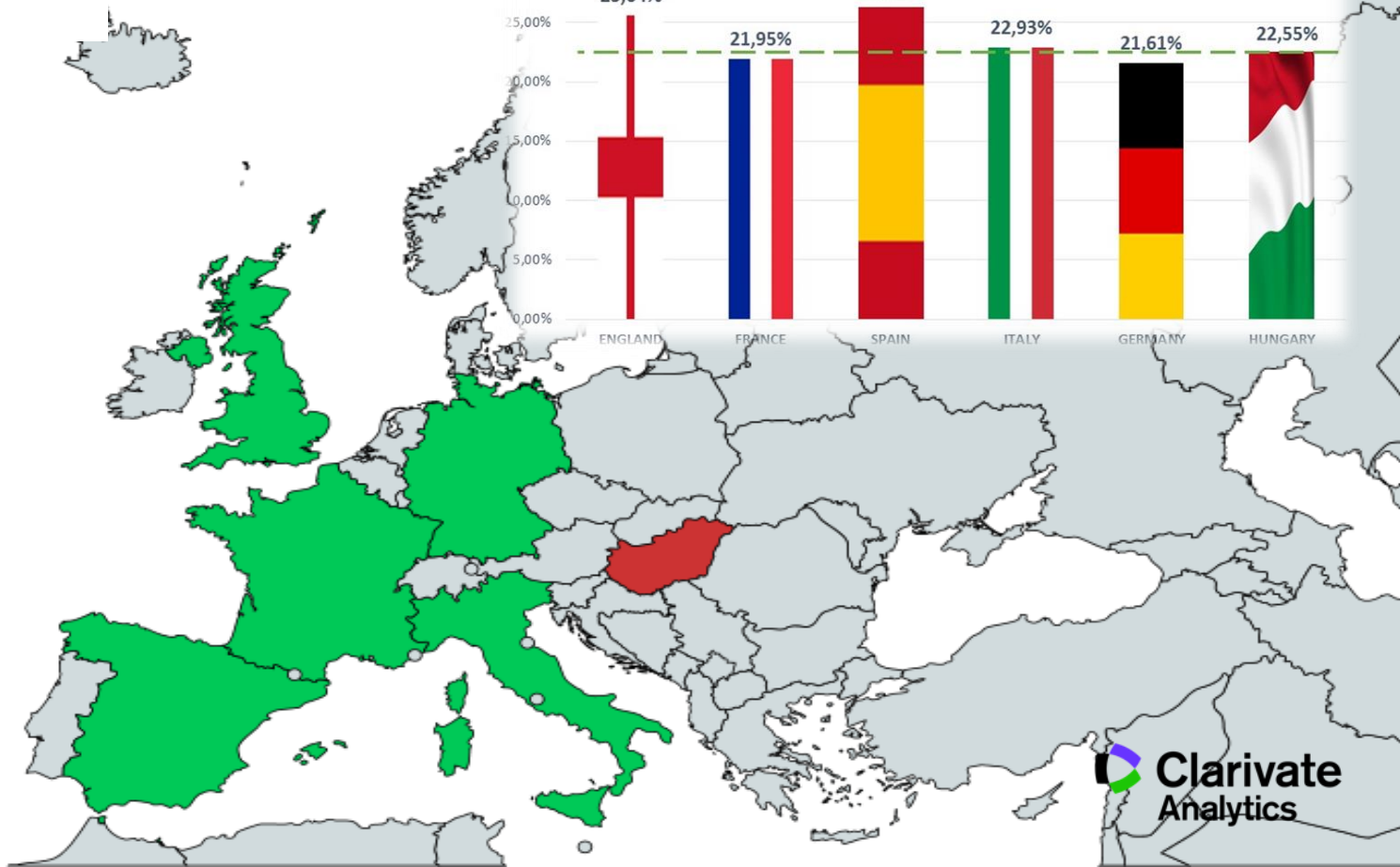
**SERBIA 30,30%**

**SLOVAKIA 22,01%**

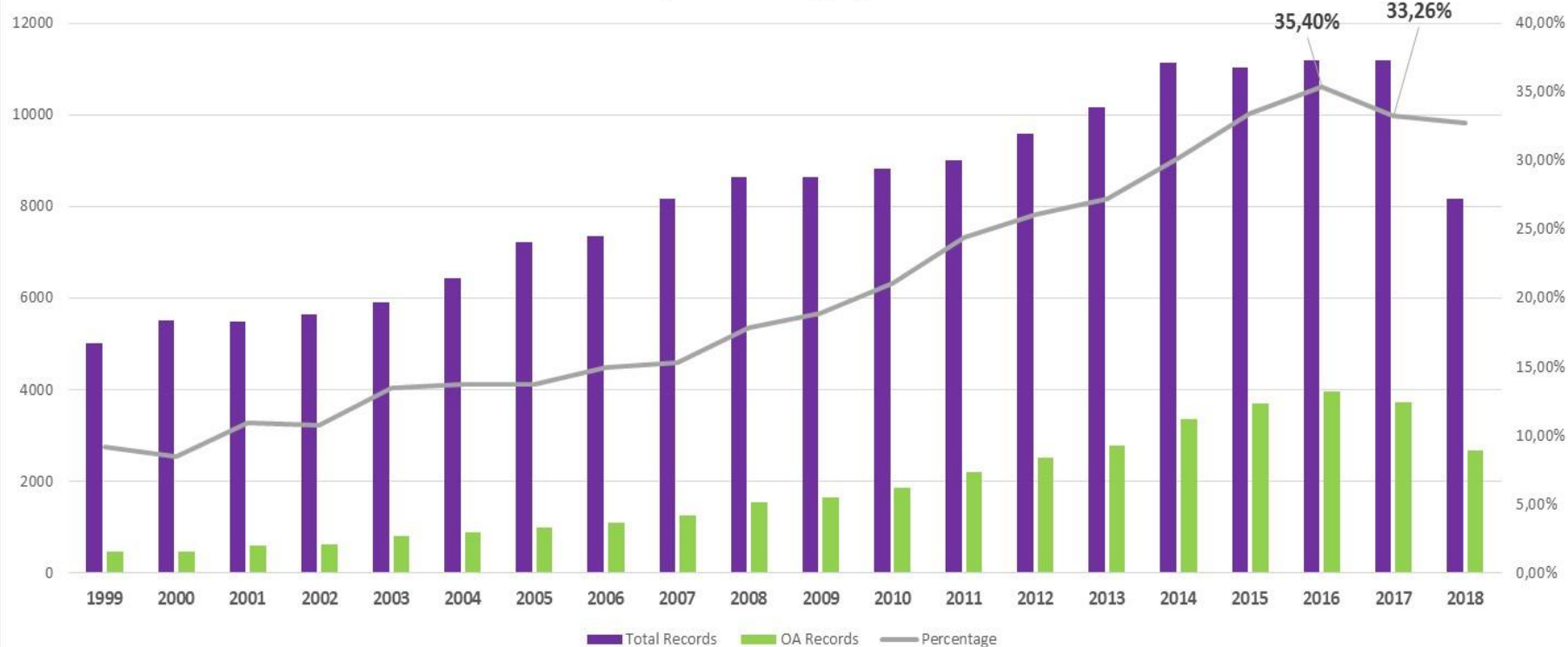
**SLOVENIA 23,26%**

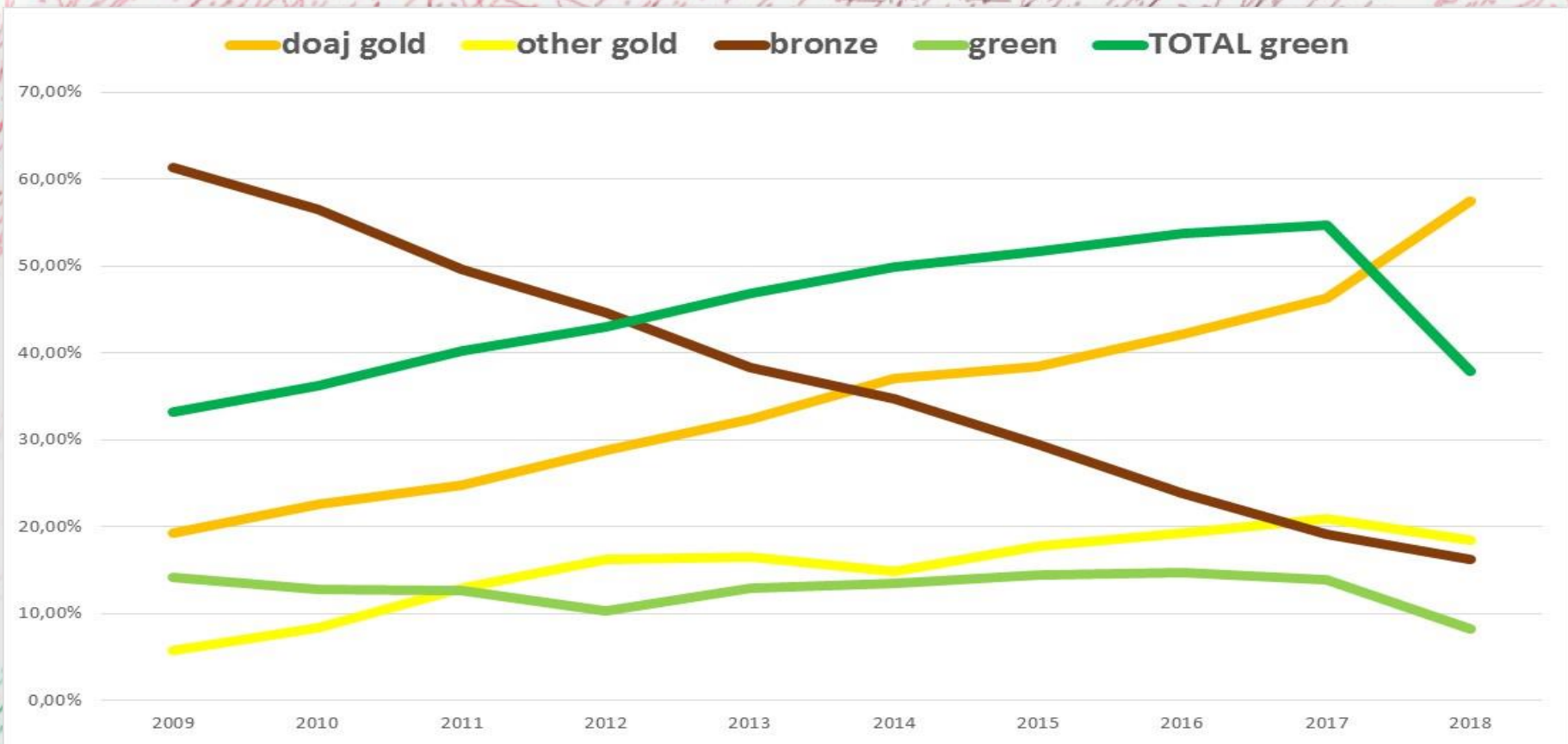


# OA Adoption (1999-2018) Hungary and main European Countries

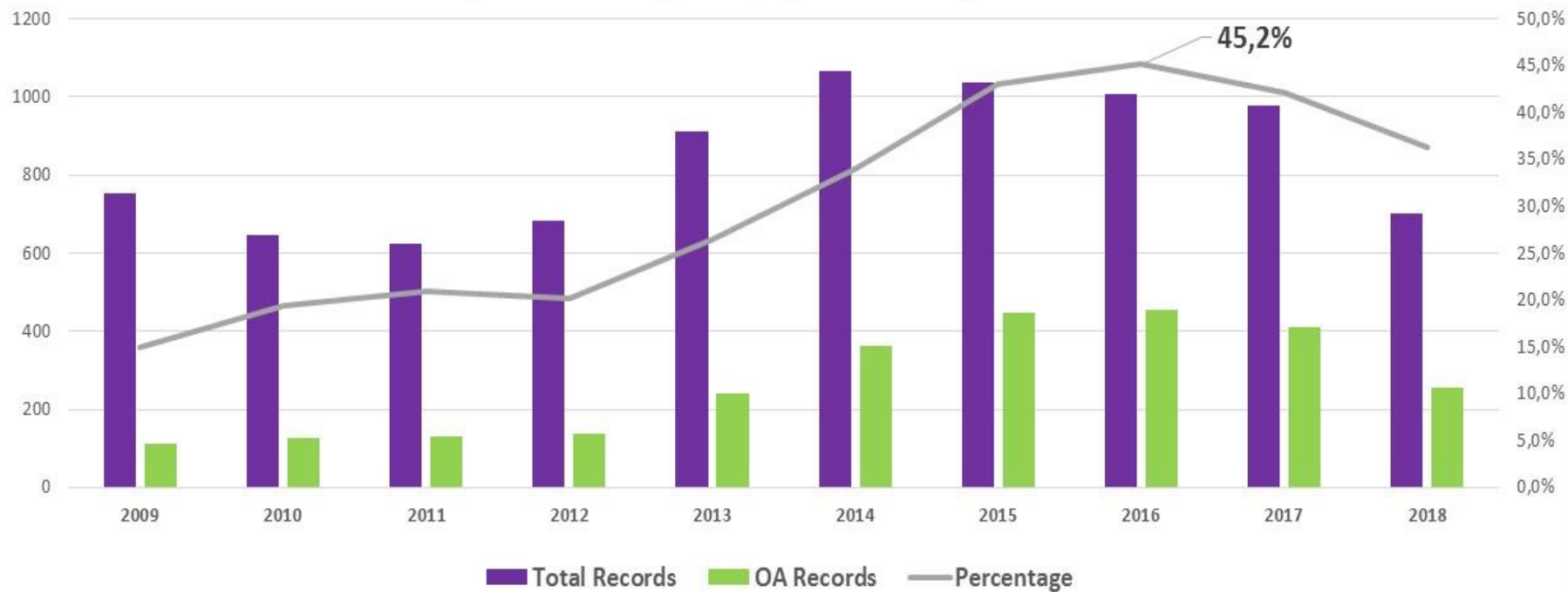


## OA Adoption in Hungary 1999-2018



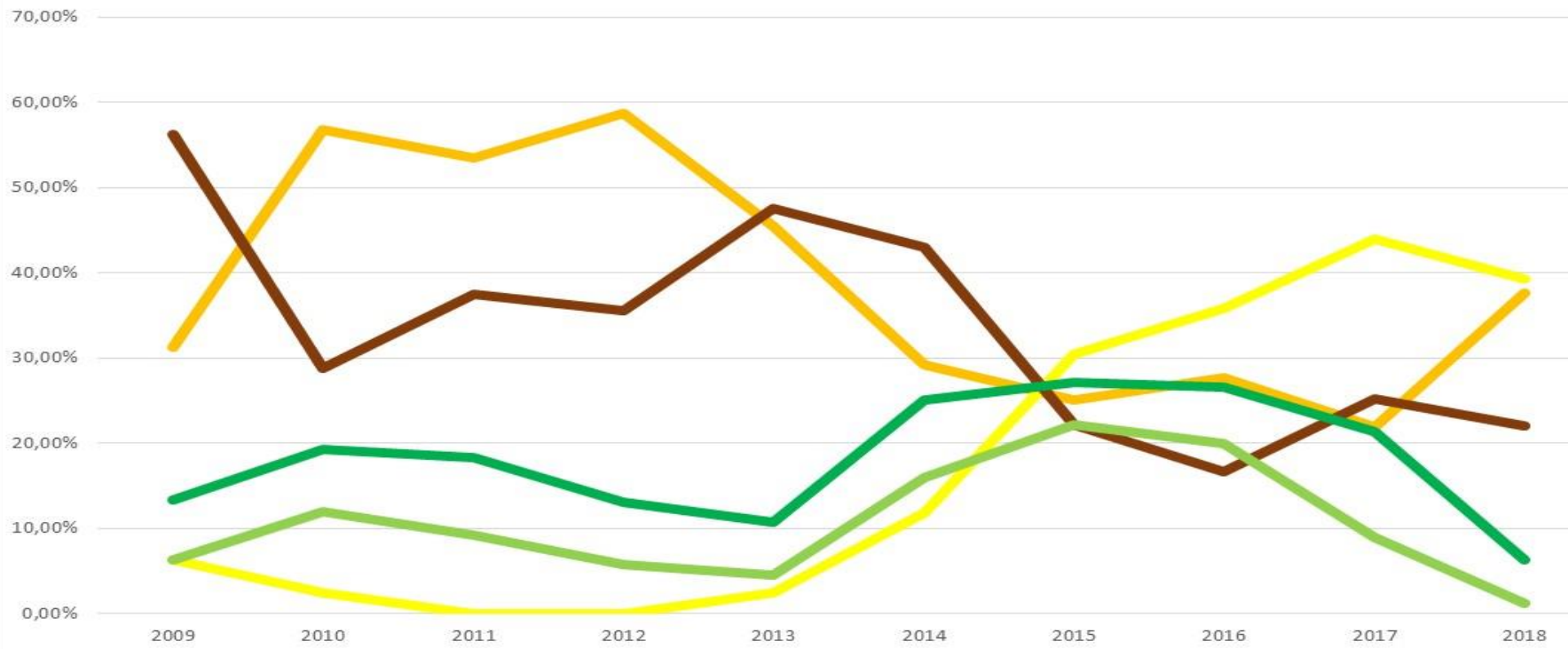


## OA Adaption for Hungarian papers on Hungarian Journals

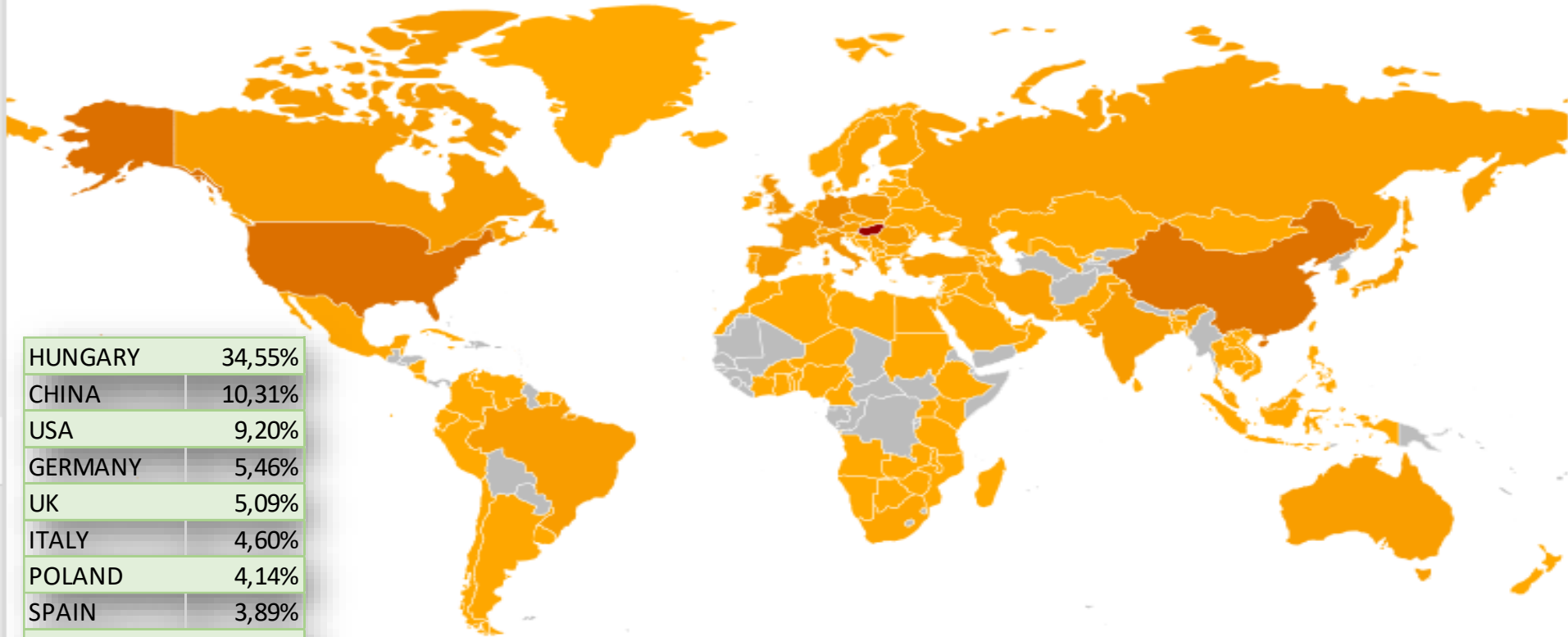




doaj gold other gold bronze green TOTAL green

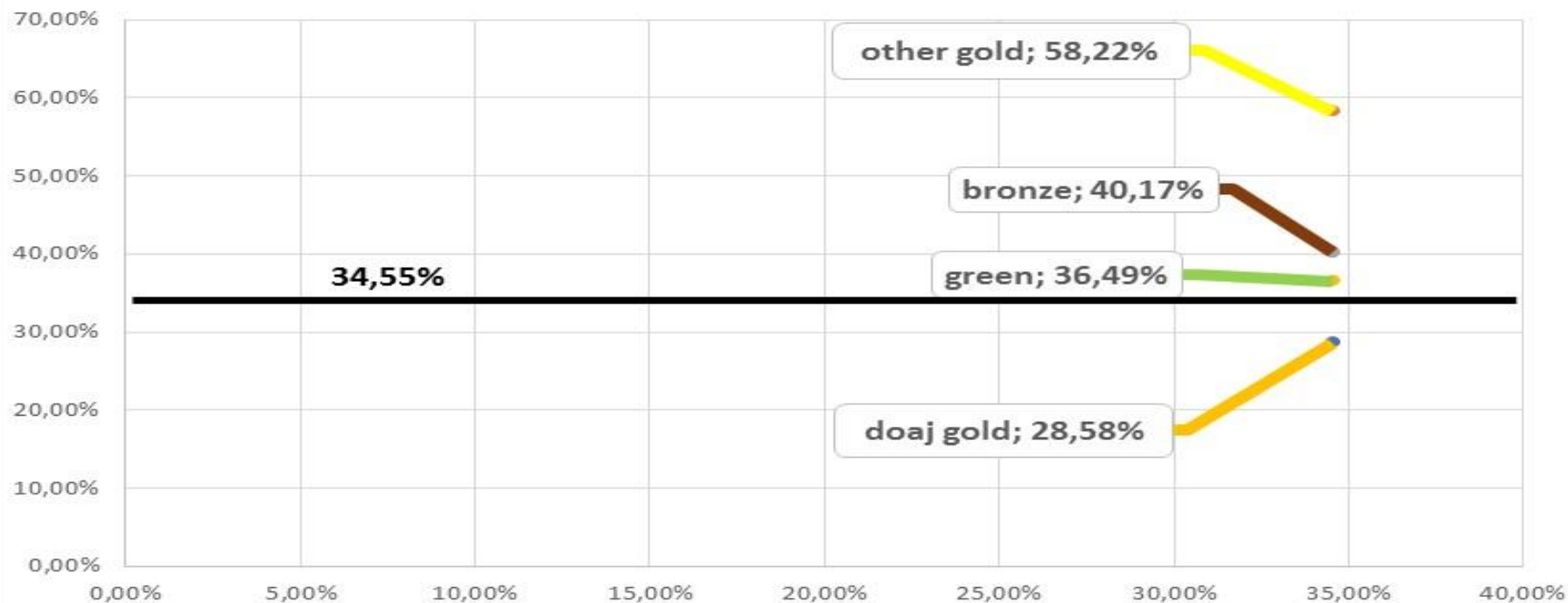


## Who is citing Hungarian OA papers ?



HUNGARY	34,55%
CHINA	10,31%
USA	9,20%
GERMANY	5,46%
UK	5,09%
ITALY	4,60%
POLAND	4,14%
SPAIN	3,89%
FRANCE	3,22%
INDIA	3,08%
<b>OTHERS</b>	<b>16,46%</b>

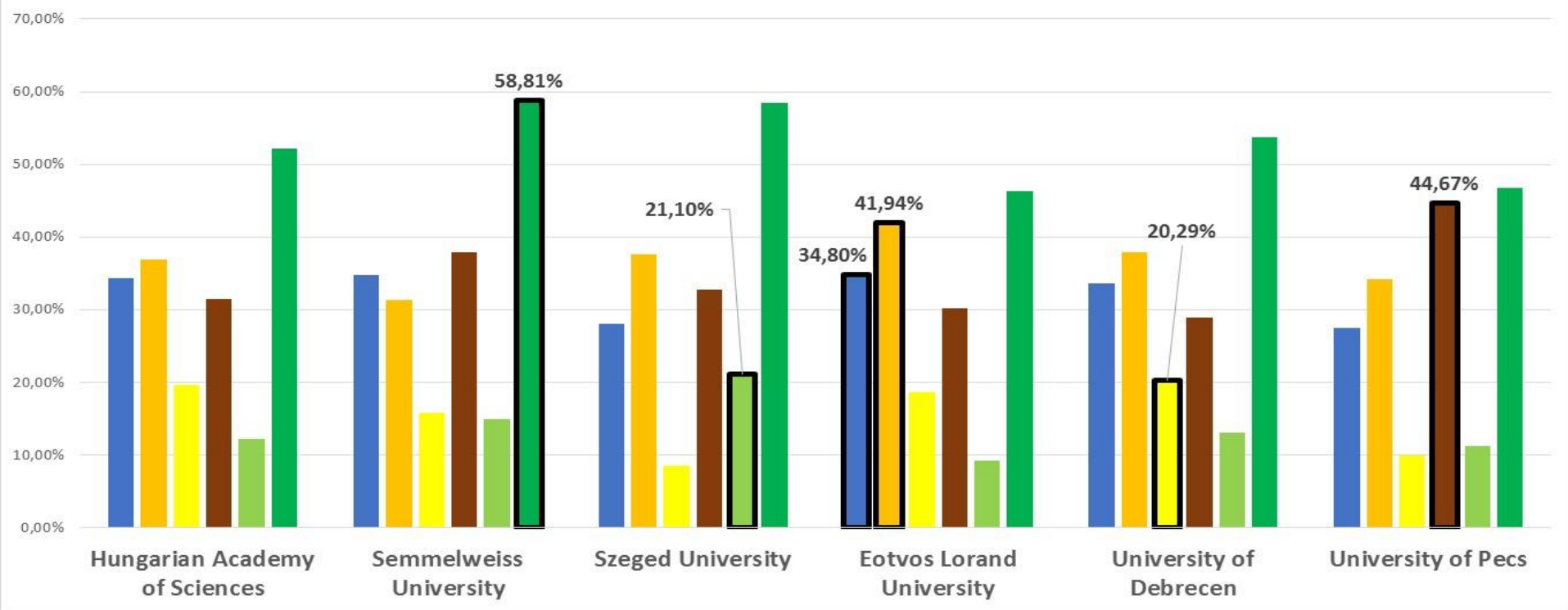
## Hungarian diffusion of Hungarian OA papers



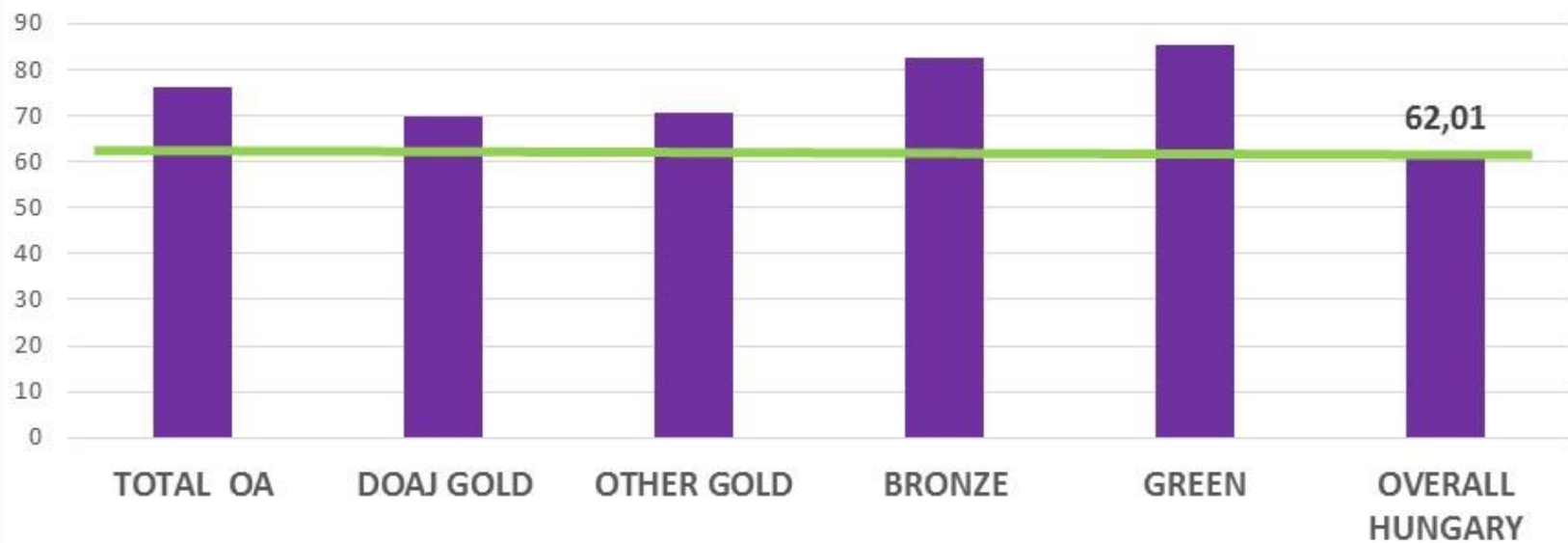
Research Areas	TOTAL Records	OA Records	doaj gold Records	other gold Records	bronze Records	green Records
PHYSICS	10,07%	13,48%	12,56%	<b>27,24%</b>	7,32%	15,27%
CHEMISTRY	<b>8,91%</b>	4,24%	3,98%	3,38%	3,75%	7,40%
ENGINEERING	<b>8,62%</b>	4,62%	3,30%	8,04%	4,38%	4,66%
COMPUTER SCIENCE	<b>5,77%</b>	2,14%	1,56%	2,09%	2,26%	3,51%
MATHEMATICS	5,65%	4,25%	2,87%	1,79%	<b>8,08%</b>	1,17%
BIOCHEMISTRY MOLECULAR BIOLOGY	4,95%	5,48%	4,47%	2,42%	6,95%	<b>8,28%</b>
NEUROSCIENCE NEUROLOGY	3,99%	2,60%	2,81%	3,20%	3,77%	<b>9,45%</b>
BUSINESS ECONOMICS	2,67%	2,59%	1,46%	1,63%	<b>4,79%</b>	1,20%
PSYCHOLOGY	1,72%	1,31%	1,51%	0,83%	0,86%	<b>2,50%</b>
SOCIAL SCIENCES	1,00%	1,53%	<b>3,54%</b>	0,96%	0,11%	0,22%

## OA Adoption - Main Hungarian Institutions

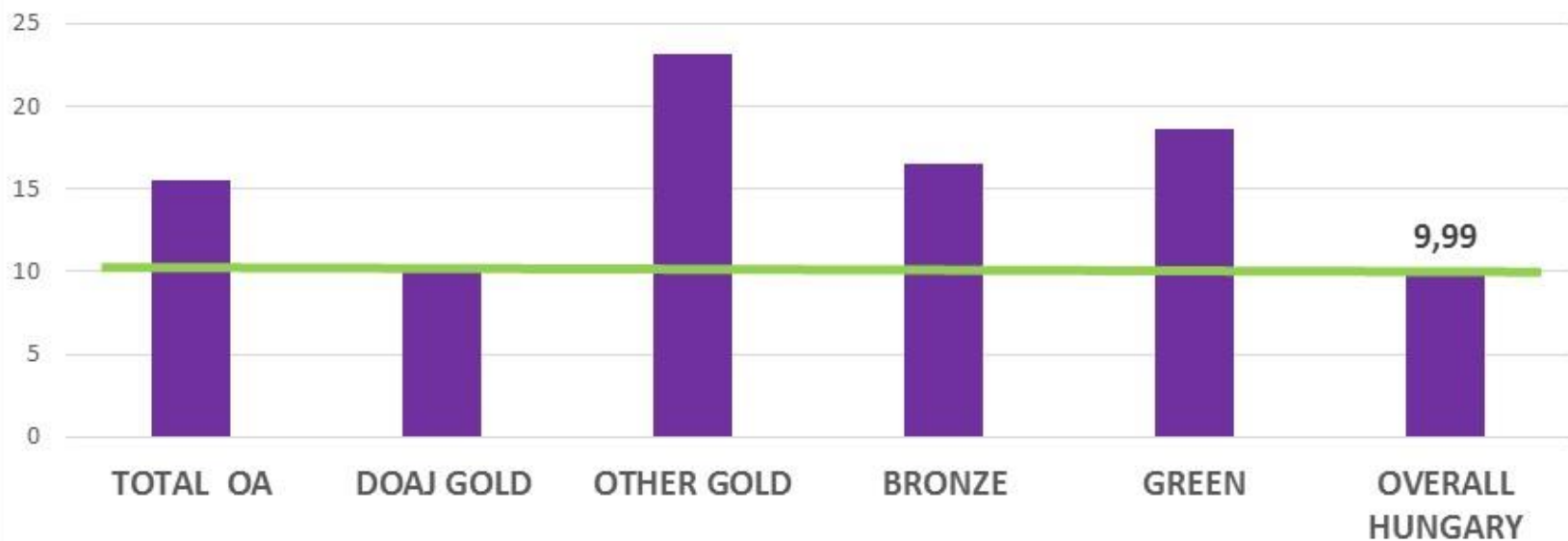
■ OA percentage ■ DOAJ GOLD % ■ Other GOLD % ■ BRONZE % ■ Green % ■ TOTAL Green %



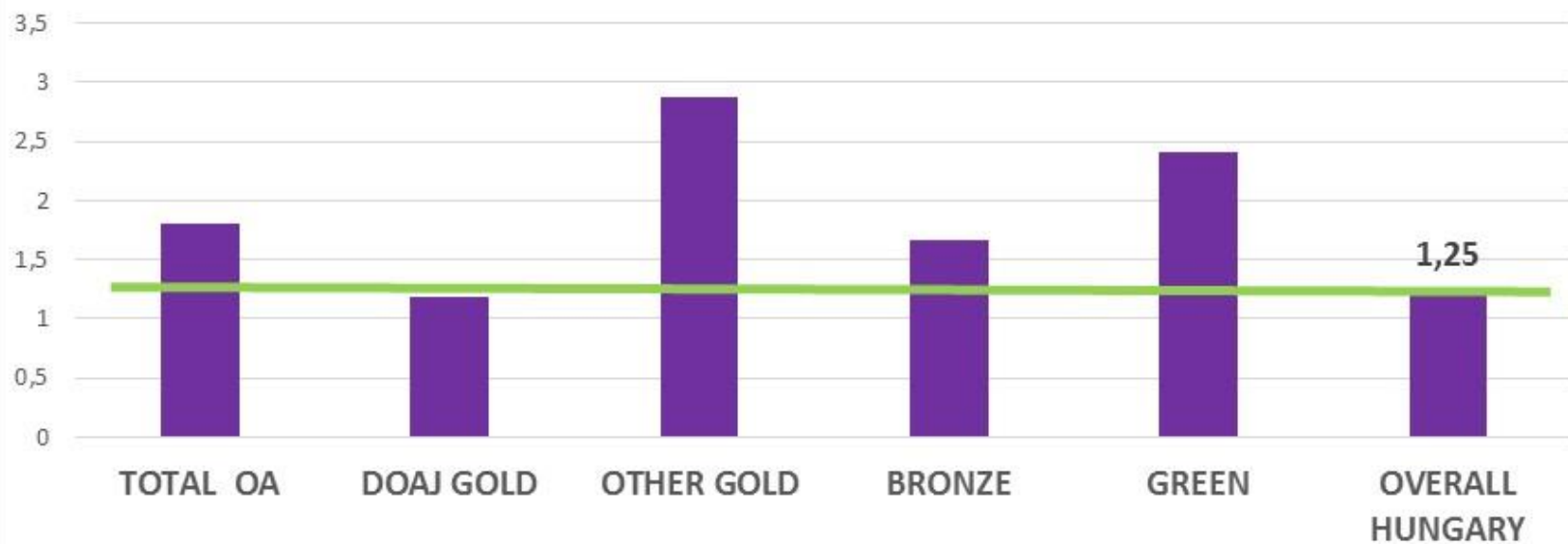
## Percentage DOCS Cited



### % DOCS in TOP 10%



## Category Normalized Citation Impact







# Köszönöm !

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