



An analysis of the impact of Web of Science Regional Expansion

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Regional Content Expansion

- Mission:
 - Meet the needs of the emerging and growing regional community of *Web of Science* users.
 - Identify, evaluate, and select the best Regional Journals.
- Journals published outside the US or UK that target a regional rather than an international audience.
- Regional journals focus on topics of regional importance (e.g. social sciences, clinical medicine, agriculture)
- Relatively low citation impact. Regional authors.

Expand the Editorial Scope of Web of Science to include the best international and regional journals published today.

Regional Content Expansion

- Goal:
 - Identify, evaluate, select
 - The **best** regional journals
 - Journals including regional scholarship, targetting a regional rather than international audience, presenting research from a regional perspective.
- “The quality of **each** of these newly added journals is on the level the world has come to expect from the Web of Science.”

Regional Content Expansion

- **Outcome:**

- 10,000 Regional journals were **evaluated**
- Only 1,600 were **selected**
 - The remaining journals did not meet even minimal selection criteria for:
 - Publishing Standards
 - Timeliness
 - Peer Review
 - English language bibliographic information
 - Editorial Content
 - Regional focus

- **Conclusion:** A relatively small number of journals provide a reliable medium for the distribution of studies important to a regional audience.
These are the journals we have selected.

“Less is more.”

Regional Journal Content Expansion 2007-2009

Contribution of Each Region to Subject Areas

Region	A&H	AB&ES	CM	EC&T	LS	PC&ES	S&BS	Total
AP	13	55	105	45	47	41	89	395
EU	150	88	161	81	50	116	200	846
LA	29	55	33	13	14	15	42	201
MA	13	23	32	10	15	7	31	131
NA	8	1	13	2	1	0	3	28
Total	213	222	344	151	127	179	365	1601

Regions:

AP : Asia Pacific

EU : European Union

LA : Latin America

MA : Middle

East/Africa

NA : North America

Subject Areas:

A&H : Arts & Humanities

AB&ES : AgBio & Environmental Sci

CM : Clinical Medicine

EC&T : Engineering Computing & Technology

LS : Life Science

PC&ES : PhysChem & Earth Science

S&BS : Social & Behavioral Science

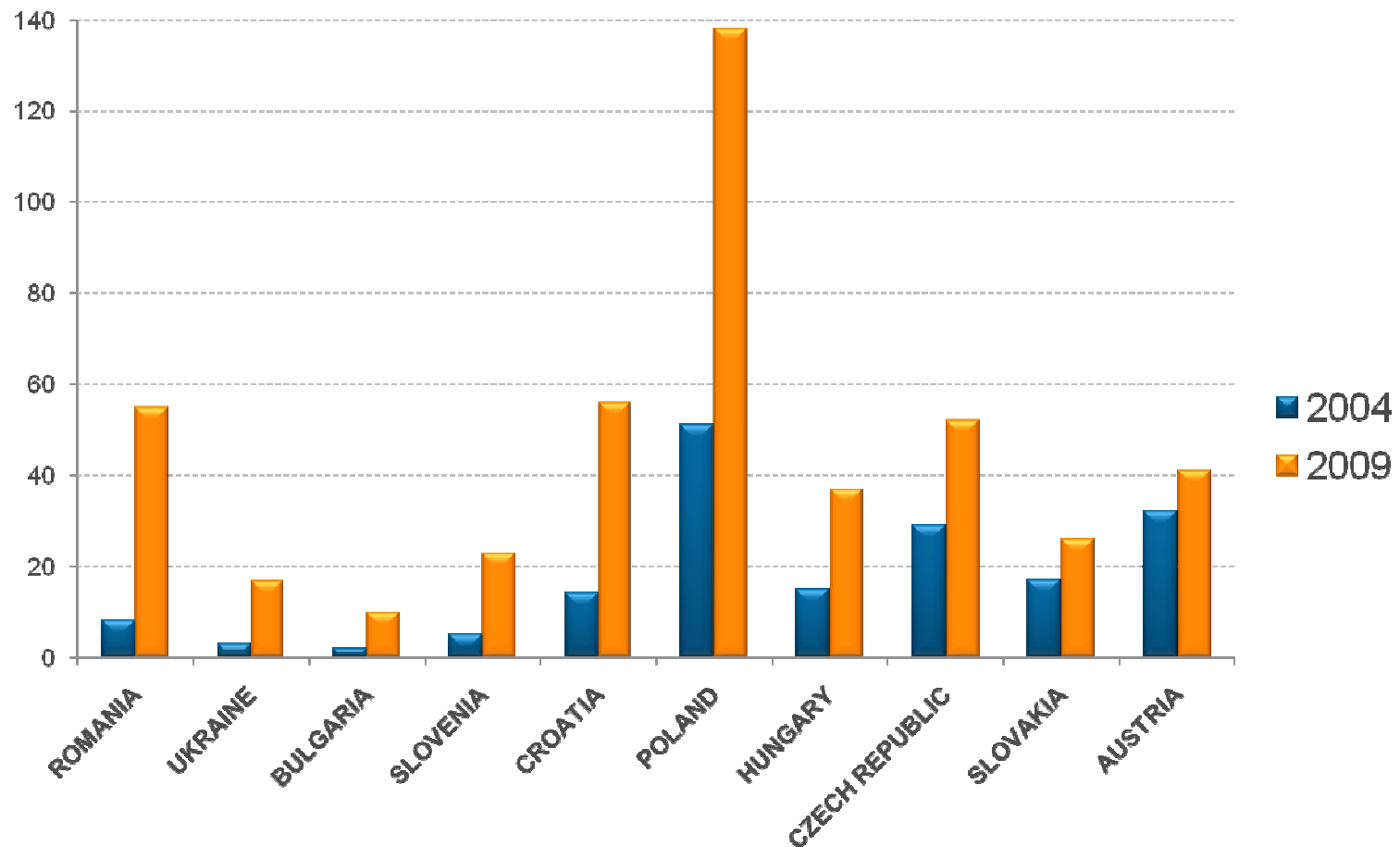


Regional Diversity in Web of Science Journals

Region	# Journals from Region in Web of Science	
Europe	5,573	49%
North America	4,251	38%
Asia-Pacific	965	9%
Latin America	272	2%
Middle East/Africa	200	1%

Language	# Journals in Web of Science	
English	9114	81%
Other	2147	19%

Central European Regional Expansion



Summary – New Journals – 2008 data

	Papers	Art & Rev	Cites	Cites / paper	Journals	Papers / J
Hungary	294	255	27	0.09	10	29.4
Romania	2,192	1,950	306	0.14	36	60.9
Czech	524	451	110	0.21	15	34.9
Slovak	267	192	70	0.26	4	66.8
Cent Europe*	3,277	2,848	513	0.16	66	49.7

- Most of the journals are significantly smaller than the JCR average of 124. Comparing journal numbers can be misleading.
- The low citation rate is expected, these are regional journals that are significant to their own geographic region, the catchment area of citing sources is limited by the demographic scope of the journal.
- There is not really enough retrospective data to make any conclusions about the impact of these journals.... (cont)



Cited Reference Analysis

- Cont....
- But we can analyze what these journals have cited to see what impact they are having on the rest of the *Web of Science*

Method:

- Create a customized database where the REX journals from Central Europe are used as the “citing source”
- This allows detailed analysis of the Cited References. However, it is limited to only those records that are in WoS. Analysis has shown that approximately 65% of cited references were linked to WoS records. The remainder are citations to non-journal items or journals that are not in the Web of Science

Cross-check : What do they actually cite? (Hungary) (not limited to WoS records)

Title	records	Country
ACTA GEOD GEOPH	109	USA
ACTA GEOD GEOPH	53	UK
HUNG	51	Hungary
NEUROLOGY	38	USA
BIOTECHNOL BIOENG	37	USA
GEOPHYS J INT	31	UK
LANGUAGE	31	USA
NATURE	31	UK
J DIFFER EQUATIONS	30	USA
SCIENCE	30	USA
EPILEPSIA	28	USA
TECTONOPHYSICS	28	Netherlands
J APPL PHYSIOL	27	USA
APPL MATH COMPUT	26	USA
ELECT J DIFFERENTIAL*	25	USA
J GEODESY	25	Germany
P AM MATH SOC	25	USA
P NATL ACAD SCI USA	25	USA
AM ECON REV	24	USA
B SEISMOL SOC AM	24	USA
GEOPHYS RES LETT	24	USA
J NEUROPHYSIOL	24	USA
COMPUT MATH APPL	23	UK
STROKE	22	USA
APPL MATH LETT	21	USA

Title	records	Country
J GEOPHYS RES-SPACE	21	USA
LINGUIST INQ	21	USA
BIOL PSYCHIAT	20	USA
J GEOPHYS RES	20	USA
J MED CHEM	20	USA
PHYSIOL BEHAV	20	USA
ENZYME MICROB TECH	19	USA
EUR J NEUROSCI	19	UK
J BIOL CHEM	19	USA
NEUROSCIENCE	19	UK
AM J PHYSIOL	18	USA
APPL ANAL	18	UK
J NEUROSCI	18	USA
NEUROREPORT	18	USA
AM J HUM GENET	17	USA
BIOTECHNOL LETT	17	Netherlands
ECON J	17	UK
GENETICS	17	USA
HYPERTENSION	17	USA
J GEODYN	17	UK
J NEUROSURG	17	USA
THESIS MIT*	17	USA
BRAIN RES	16	Netherlands
CIRCULATION	16	USA
J LINGUIST	16	USA



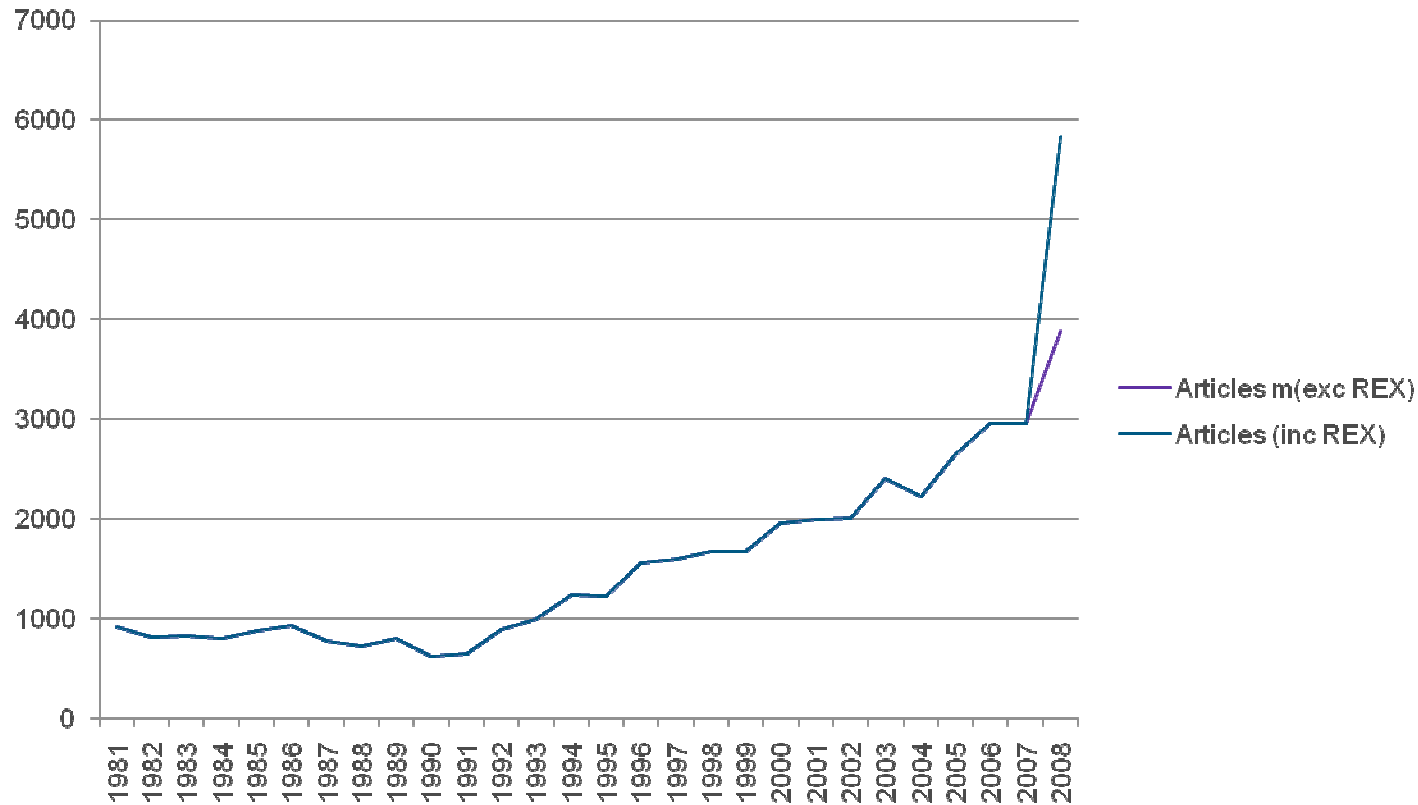
ROMANIA



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Romanian Research Profile

of articles



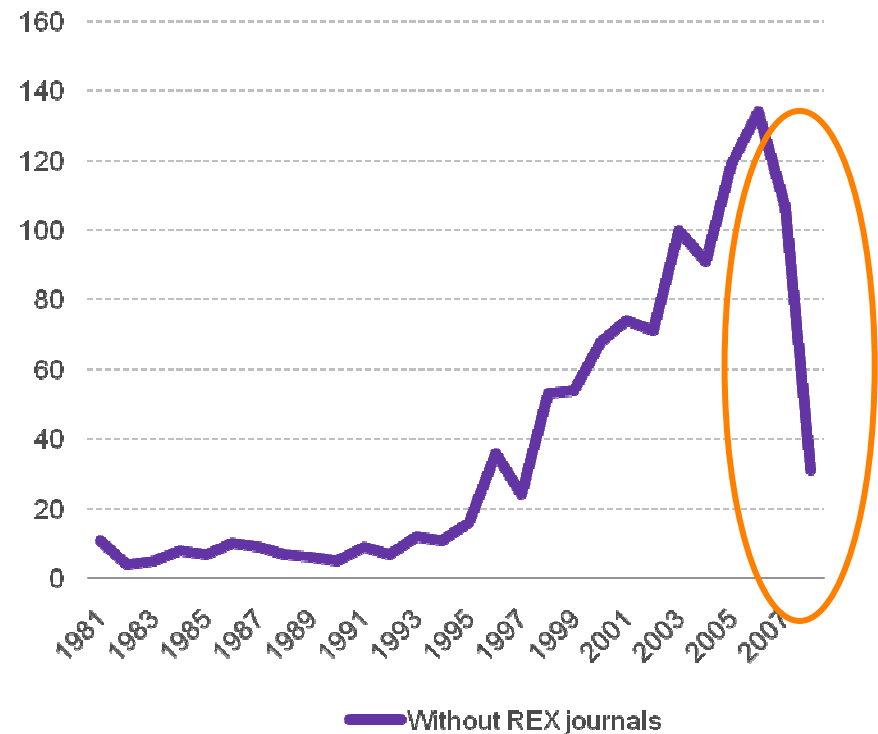
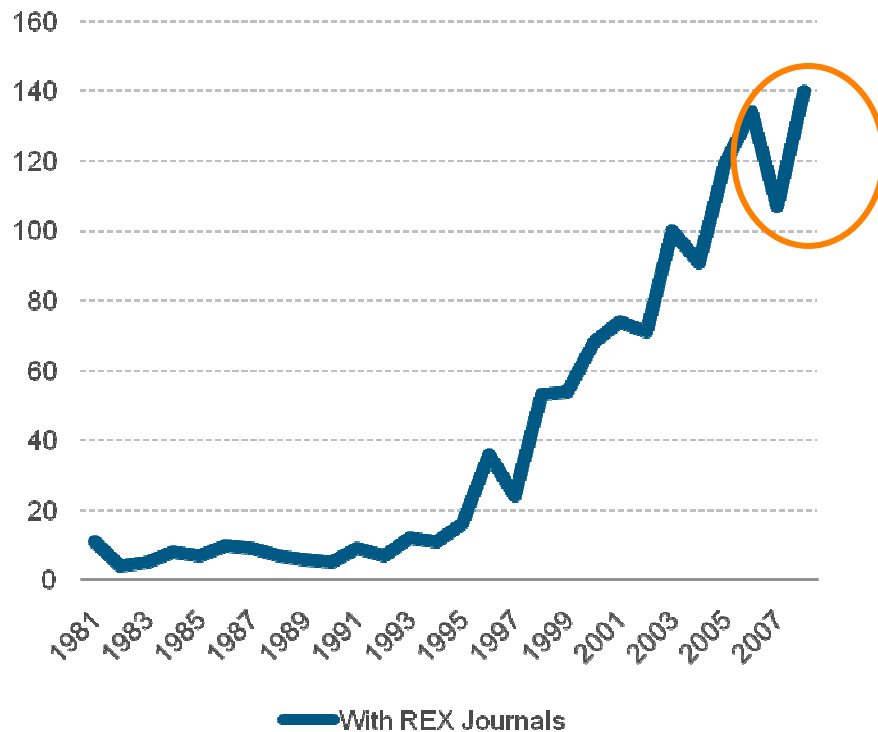
There is a underlying trend of increase but the number of articles published in 2008 is increased substantially by REX

Spot analysis ---- is there a geographic trend?

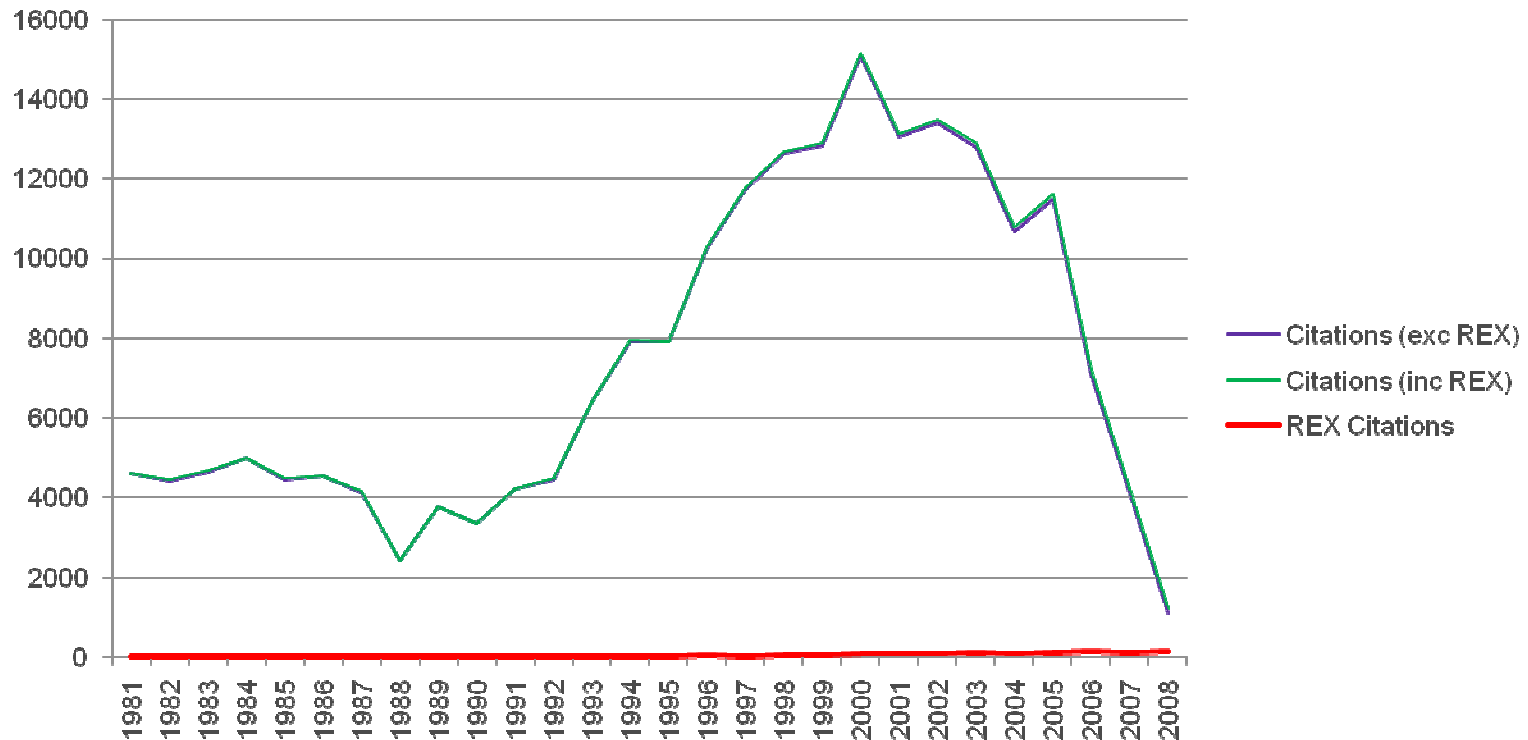
Analysis of Romanian journals – who they cited

Compared to ESI			Compared to ESI		
Country	Ranking	Papers	Country	ranking	Papers
1 USA	0	7,758	21 Greece	+6	301
2 Germany	0	1,802	22 Taiwan	+2	300
3 England	0	1,674	23 Brazil	0	280
4 Japan	0	1,654	24 Turkey	+4	273
5 France	0	1,586	25 Scotland	-10	259
6 Italy	+1	1,268	26 Denmark	-9	248
7 Romania	+40	1,221	27 Finland	-1	234
8 India	+11	898	28 FED REP GER	NA	206
9 Canada	-3	866	29 Austria	-7	181
10 Peoples R China	-1	799	30 Czech Republic	+4	170
11 Spain	0	736	31 Hungary	+1	148
12 Netherlands	-4	546	32 Mexico	-1	140
13 Australia	-3	489	33 Egypt	+11	136
14 Switzerland	-2	487	34 Norway	-12	129
15 Sweden	-2	476	35 Singapore	-5	109
16 Belgium	-2	430	36 USSR	NA	107
17 South Korea	-2	374	37 Portugal	-4	106
18 Israel	0	361	38 Bulgaria	+10	103
19 Russia	+1	354	39 Ireland	-5	101
20 Poland	+5	343	40 South Africa	-2	82

Citations to Romanian researchers from Romanian REX journals (2008)

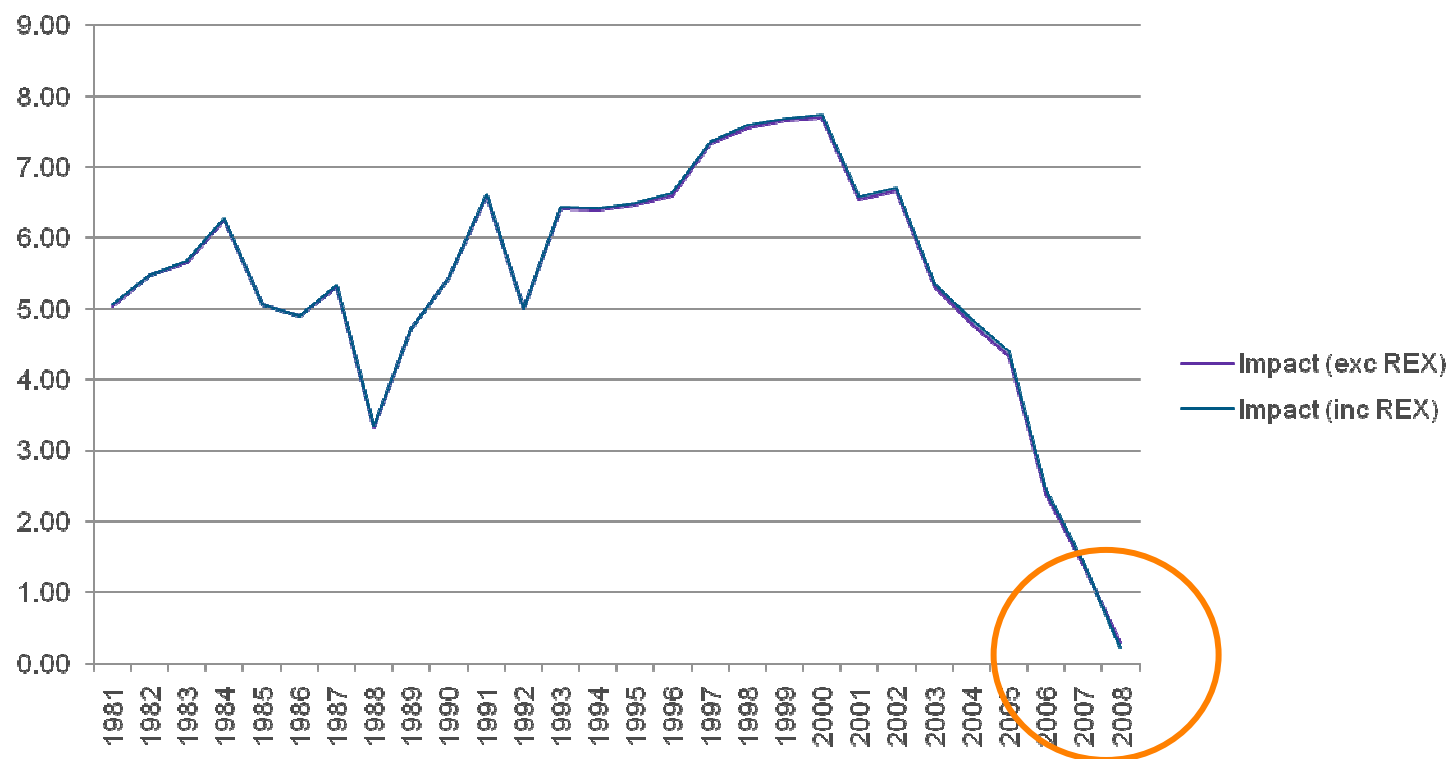


The effect of the additional citations to the Romanian Research profile



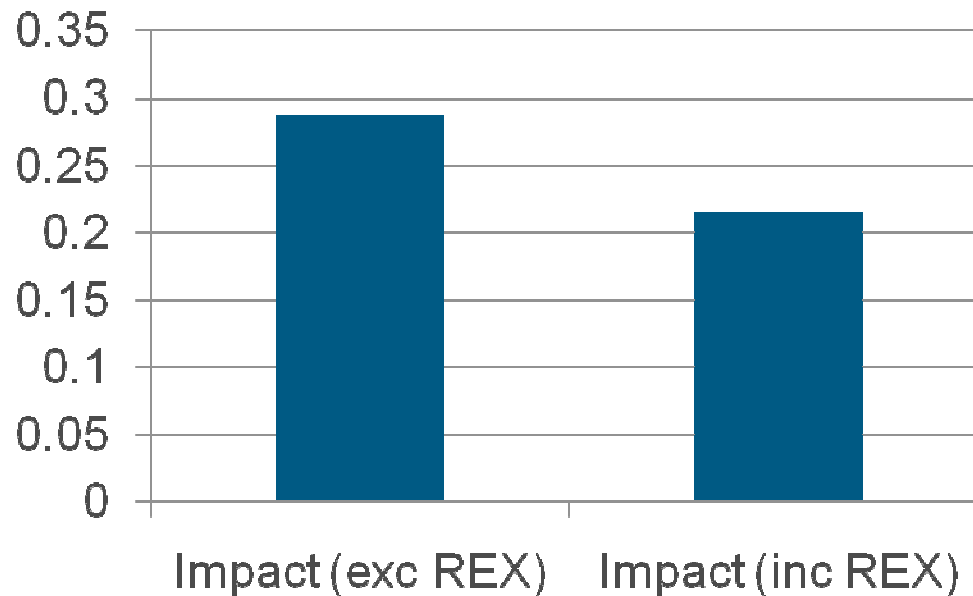
The number of additional citations coming from the Romanian REX titles is insignificant when compared to overall numbers

The effect to Romania's Citation Impact



The effect on the Citation Impact is also negligible

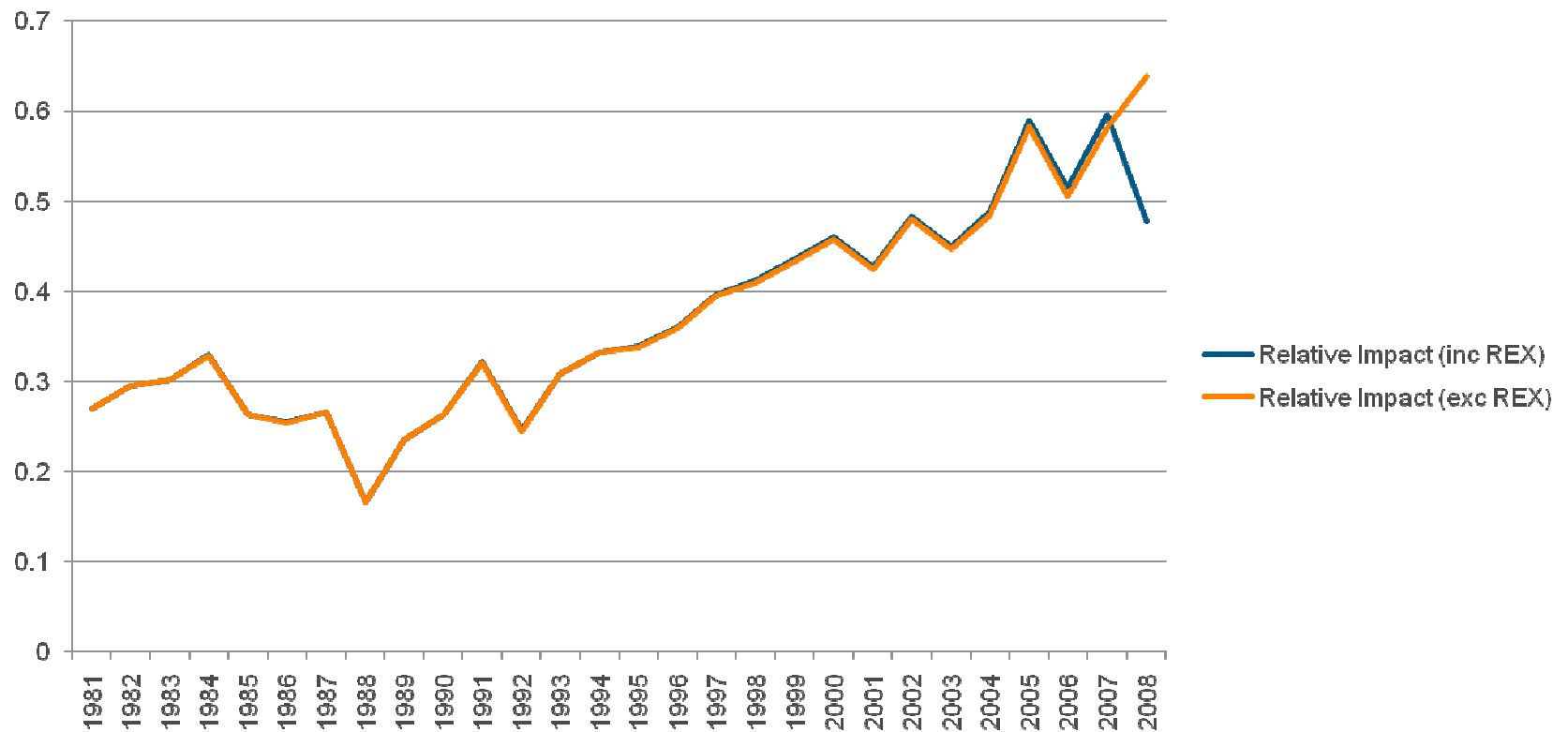
The effect to Romania's Citation Impact for 2008



However the Citation Impact for 2008 is decreased by the addition of the relatively low citation rates of REX titles. The *Impact* should return to slightly higher levels over time because of self citation of the new titles.



The effect on relative citation impact

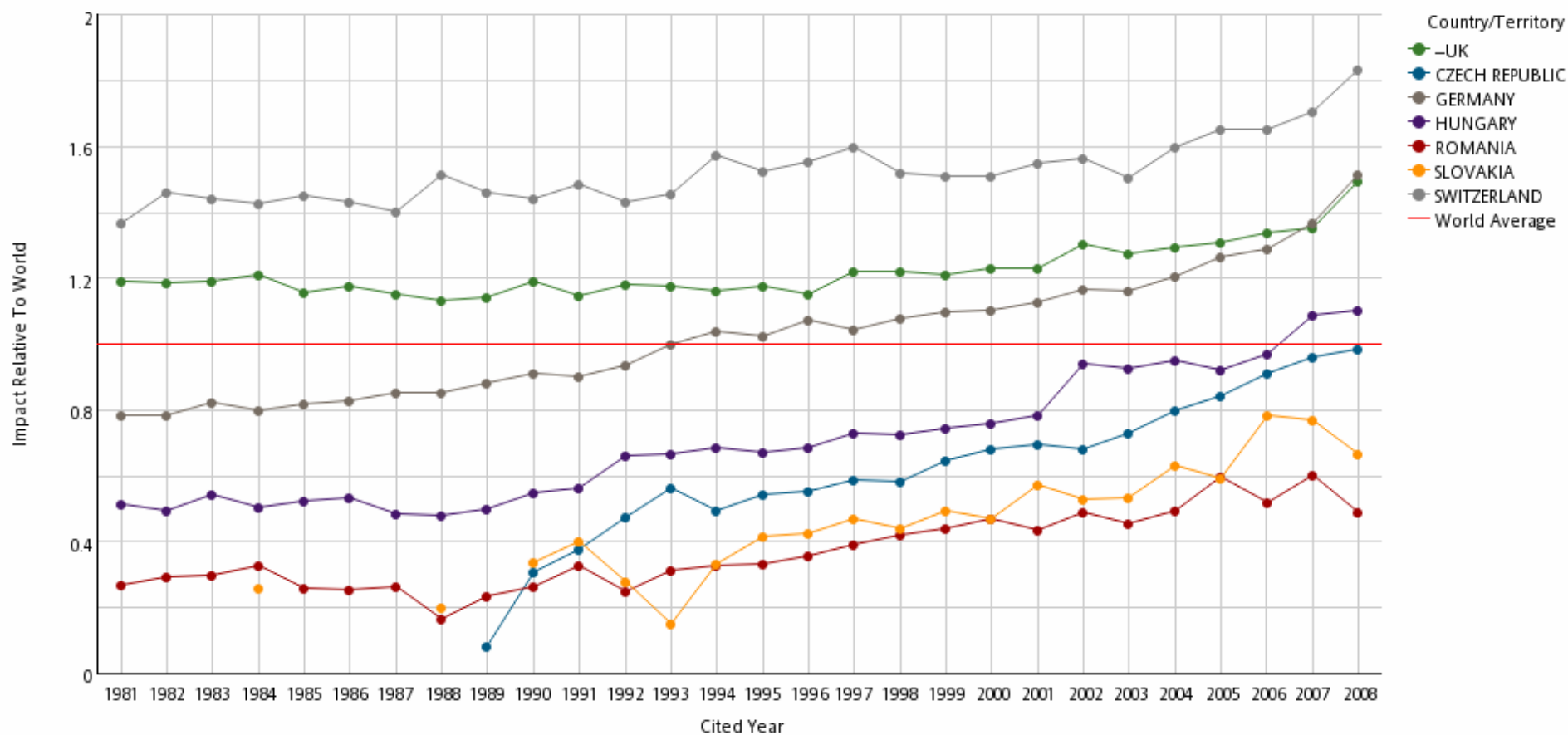


When looking at Citation Impact alone, the negative effect of 2008 data was small, but when looking at relative impact, the size of the change is amplified and more apparent.



The larger environment

Impact Relative To World 1981-2008



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Questions?

THANK YOU