

EARTHQUAKE ASSOCIATIONS' WEBSITES: VISIBILITY AND CO-LINKS ANALYSIS

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Scientific associations in each country can play the more important role in generation of the scientific knowledge, training human resources and contribution in the development of the society and improvement of the science. Main objective of the present research is study on visibility extent and co-links analysis of the earthquake associations, societies, and foundations' websites in order to identifying the core websites of these associations.

Holmberg and Thellwall (2009) research indicated that that information collected from and about links between web pages and web sites can reflect real world phenomena and relationships between the organizations they represent. Yet, government linking has not been extensively studied from a webometric point of view. The aim of this study was to increase the knowledge of governmental interlinking and to shed some light on the possible real world phenomena it may indicate. We show that interlinking between local government bodies in Finland follows a strong geographic, or rather a geopolitical pattern and that governmental interlinking is mostly motivated by official cooperation that geographic adjacency has made possible.

Asnafi and Pakdaman (2014) studied on the Visibility and co-links analysis of the Iranian scientific associations' websites in the field of Technical and Engineering Sciences. Investigations showed that from the total of 24 examined websites of Iranian scientific associations' websites in the field of Technical and Engineering Sciences, 4 websites have more than was 3555.45 back links. These associations are Iranian Society of Cryptology, Iranian Corrosion Association, Informatics Society of Iran, and Society of the Centres for Research & Development of Mines & Industries. The research questions are:

- How are the ranking of Earthquake associations' websites on the incoming links and their ranking in the Google?
- How is the visibility of websites of Earthquake associations in all around the world on the web impact factor?
- Which websites are the core websites of Earthquake associations' websites?
- How is the status of co-links analysis for websites of Earthquake associations in all around the world?

We were gathered 21 Earthquake association websites from 35 websites through the website of the European Association for Earthquake Engineering and other WebPages on the net. For data gathering we used woorank¹, majesticseo² and Google page rank. In order to con-link analysis Webometrics Analyst Software³ was used. For determination of core websites, the total number of incoming links will divide to the number of websites. In order to analyze the active websites was used Webometric methods.

Findings revealed that in Earthquake associations' websites there is not see any relation and strong links. Most of 21 websites had weak traffic visit. Survey on back links showed that Italian National Association of Earthquake Engineering with 442318 back links is the most highly linked among studied websites. Investigations showed that from the total of examined websites four websites have more than 10401 back links. The webpage of these associations were core websites in the field of earthquake association's websites. In Table 1, ranking of 5 top Earthquake associations' websites on Google is shown.

1 www.woorank.com

2 www.majesticseo.com

3 <http://lexiurl.wlv.ac.uk/index.html>

Table 1. Ranking of 5 top Earthquake associations' websites on Google

website	Name	GPR	traffic	Backlink	Rank
http://www.iitr.ernet.in/iset/	Indian Society of Earthquake Technology	8	very high	4241	62.6
http://www.aees.org.au/	Australian Earthquake Engineering Society -AEEES	6	low	184677	62.6
http://www.ngi.no/en/Geohazards/	Norwegian Society for Earthquake Engineering		low	28403	60.7
http://www.seismosoc.org/	Seismological Society of America (SSA)		low	5420	72.9
http://www.zag.si/si/index.php	Slovenian Association for Earthquake Engineering		low	33375	54.2

In Figure 1, indicates that there is not strong links among studied websites. It can be seen that two clusters have strong links.

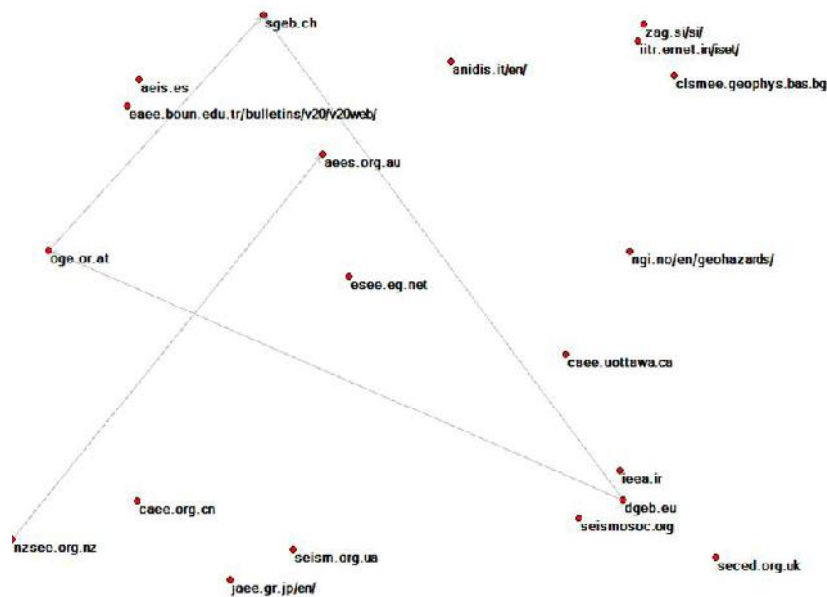


Figure 1. Co-inlink of earthquake association's websites

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