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Proceedings - 2018 44th Latin American Computing Conference, CLEI 2018

October 2018, Article number 8786357, Pages 519-526

44th Latin American Computing Conference, CLEI 2018; Mackenzie Presbyterian UniversitySao Paulo; Brazil; 1 October 2018 through 5 October 2018; Category numberE6703; Code 150480

Semantically identifying regional-indexed publications, a web-exploring approach (Conference Paper)

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Abstract

The indexing services are an important element of researching process because they make publicly available research results and articles for the community. Furthermore, regional indices such Latindex have contributed to spreading scientific works and incentivizing research in the Latin-American context. However, the un-centralized publication approach that its member journals follow has made impossible to form a unified view of Latindex-indexed articles and its corresponding journals. This drawback has limited activities such biblio-metric studies and integration from the perspective of information systems. In this paper, a linking mechanism between journals and publications is outlined, which aims to identify explicitly whether or not an arbitrary article belongs to Latindex. The proposed approach leverages on the Linked Data principles and takes advantage of web search engines to validate its results. This proposal has successfully been evaluated on an Ecuadorian publications dataset obtaining a 0.91 f-score respect to a manually classified sample. © 2018 IEEE.

SciVal Topic Prominence

Topic: Disambiguation | Co-Authorship | Bibliographic Databases

Prominence percentile: 83.983



Author keywords

Indexing Services

Latindex

Linked Data

Web Correlation

Indexed keywords

Engineering
controlled terms:

Data handling

Indexing (of information)

Linked data

Publishing

Semantic Web

Engineering
uncontrolled terms

F-score

Indexing Service

Latin americans

Latindex

Linked Data principles

Research results

Engineering main
heading:

Search engines

Cited by 1 document

Ortiz Vivar, J. , Segarra, J. , Villazón-Terrazas, B.

REDI: Towards knowledge graph-powered scholarly information management and research networking

(2020) Journal of Information Science[View details of this citation](#)

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