Linked Data: Cataloging Guidelines Used for the Metadata Schemata of the Music Scores of Jose Maceda Collection

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As we are gearing towards establishing Web 3.0 which is the Semantic Web, professionals in the field of information are working hand in hand to develop the methodologies on how to put intelligence out of our search. That user can find what they are looking for from the vast web and not a misleading resource (Cleveland 2011). When Sir Tim Berne's Lee developed the web, he never realized how his works would flourish and grow to the point that it's unmanageable. After 20 years of building the Web, in his TED talk in 2009 about "The Next Web," he introduced the idea of the OPEN DATA initiative to unlock the potential of the web and to provide human a useful and intelligent data. The technology to realize this call, is what he called Linked Data (https://www.ted.com/talks/tim_berners_lee_on_the_next_web/transcript?language=en#t-414177).

This study attempts to catalog the 23 music scores of the Jose Maceda Composition of the Jose Maceda Collection (JMC) using Linked Data Methodologies for them to be published in the continuously growing Web Architecture and to contribute to Linked Data Cloud, a unified database or a union catalog. The data set is chosen based on the uniqueness of its collection which is an excellent and viable compendium to be added to the Linked Data Cloud. JMC is located at the UP Center for Ethnomusicology Library of the College of Music of the University of the Philippines and houses a collection of sound documents comprising around 2,000 hours of recordings on reel to reel tapes and cassettes. This collection is the principal holding of the University of the Philippines (UP) Center for Ethnomusicology, founded in 1997 by José Maceda himself. Due to its universal significance, the collection was inscribed on the International Register of the Memory of the World Programme in 2007.

Resource Description Framework (RDF) data model to publish structured data and links to connect and interlink data of different resources are the basic tenets of Linked Data. Together with RDF Query Language and SPARQL protocol, the 23 music scores can be retrieved and manipulated by the users of the JMC Library. Furthermore, Web Ontology Manifesto containing the Triples and N3-Triples model representing the descriptive catalog of the said music scores is built to be submitted to the Linked Open Data for the aim of contributing for the Semantic Web of authoring knowledge databases of music information.