

Appendix 4. Crosswalk of Metadata Terms used in LODE-BD and schema.org terms

Note: This table is based on Table 1, a crosswalk of metadata terms used in the LODE-BD Recommendations. The last two columns are added to map those terms further to the schema.org terms. The prefix is “schema”. For the constrains of the values associated with the terms, please consult schema.org specification at: <http://schema.org/docs/full.html> .

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LODE-BD Group	Metadata Terms		schema.org Terms	schema.org Types			
	General Metadata Terms		Legend				
	dc:-based	dcterms:-based	> <i>narrowMatch</i> < <i>broadMatch</i> ~ <i>relatedMatch</i>				
1. Title Information	dc:title	dcterms:title	name	Thing			
			> headline	. CreativeWork			
			dcterms:alternative	alternateName	Thing		
			> alternativeHeadline	. CreativeWork			
2. Responsible Body	dc:creator	dcterms:creator	creator	. CreativeWork			
			author	. CreativeWork			
	dc:contributor	dcterms:contributor	contributor	. CreativeWork			
			>editor	. CreativeWork			
			>translator	. CreativeWork			
			>Illustrator	. . Book			
			bibo:editor	editor	. CreativeWork		
			dc:publisher	dcterms:publisher	publisher	. CreativeWork	
					bibo:producer	< producer	. CreativeWork
					bibo:issuer		
		bibo:distributor	< provider	. CreativeWork			
		bibo:owner					
3. Physical Characteristics	dc:date	dcterms:date					
			dcterms:created	dateCreated	. CreativeWork		
			dcterms:dateAccepted				
			dcterms:dateCopyrighted	copyrightYear	. CreativeWork		

			dcterms:dateSubmitted		
			dcterms:modified	dateModified	. CreativeWork
			dcterms:valid		
			dcterms:available		
			dcterms:issued	datePublished	. CreativeWork
	dc:identifier	dcterms:identifier		< url	Thing
			bibo:asin		
			bibo:coden		
			bibo:doi		
			bibo:eanucc13		
			bibo:eissn		
			bibo:gtin14		
			bibo:handle		
			bibo:isbn	isbn	. . Book
			bibo:issn		
			bibo:lccn		
			bibo:oclcnum		
			bibo:pmid		
			bibo:sici		
			bibo:upc		
			bibo:uri	url	Thing
	dc:language	dcterms:language		inLanugauge	. CreativeWork
	dc:format	dcterms:format		> associatedMedia	. CreativeWork
			dcterms:medium	> encoding	
	bibo:edition			> bookEdition	. . Book
				> version	. CreativeWork
				> schemaVersion	. CreativeWork
	bibo:status				
	dc:source	dcterms:source			
			bibo:pages	bibo:pageStart	> numberOfPages . . Book
				bibo:pageEnd	
			bibo:section		
			bibo:volume	volumeNumber	. . PublicationVolume

			bibo:issue	issueNumber	. . PublicationIssue	
			bibo:chapter			
4. Holding/Location Information	agls:availability			contentLocation	. CreativeWork	
5. Subject Information	dc:subject	dcterms:subject		about	. CreativeWork	
				keywords	. CreativeWork	
				> mainEntity	. CreativeWork	
				> mainEntityOfPage	Thing	
	dc:coverage	dcterms:coverage		< mentions	. CreativeWork	
				< keywords	. CreativeWork	
		dcterms:spatial				
		dcterms:temporal				
6. Description of Content	dc:description	dcterms:description		description	Thing	
						dcterms:abstract
						dcterms:tableOfContent
	dc:type	dcterms:type		< genre	. CreativeWork	
			>learningResourceType	. CreativeWork		
			~additionalType	Thing		
7. Intellectual Property Rights	dc:rights	dcterms:rights				
			dcterms:rightsHolder	copyrightHolder	. CreativeWork	
				>accountablePerson	. CreativeWork	
			dcterms:accessRights			
			dcterms:license	license	. CreativeWork	
8. Usage	dc:description	dcterms:description		description	. CreativeWork	
				audience	. CreativeWork	
		dcterms:audience		~typicalAgeRange	. CreativeWork	
			dcterms:educationLevel	~ educationalUse	. CreativeWork	
				~ educationalAlignment	. CreativeWork	
			dcterms:mediator			
		dcterms:instructionalMethod	> interactivityType	. CreativeWork		
			~ timeRequired	. CreativeWork		
9. Relation [between resources]	dc:relation	dcterms:relation				
				dcterms:isVersionOf	~ sameAs	Thing
				dcterms:hasVersion		
				dcterms:isReplacedBy		
			dcterms:replaces			

[between agents]			dcterms:isRequiredBy		
			dcterms:requires		
			dcterms:isPartOf	isPartOf	. CreativeWork
				~ exampleOfWork	. CreativeWork
			dcterms:hasPart	hasPart	. CreativeWork
				~ workExample	. CreativeWork
			dcterms:isReferencedBy	~ review	. CreativeWork
				> mentions	. CreativeWork
			dcterms:references	>isBasedOnUrl	. CreativeWork
	bibo:translationOf				
	bibo:annotates	> mentions	. CreativeWork		
	bibo:citedBy bibo:cites	citation	. CreativeWork		
	eprint:affiliatedInstitution	affiliation	. Person		
		>sourceOrganization	. CreativeWork		
		>worksFor	. Person		
	eprint:grantNumber				
marcrel:FND	> sponsor	. MedicalEntity . . MedicalStudy			