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| **DC mapping**  **DC or DCMI**  Is usually mean to mean the set of 15 original elements. In the course of the years many new elements have been added (DCTerms). OAI-PMH requires only the core-elements to be available.  Some of the facets, on mapping, do not receive a value. The cause of this is twofold. OneFirst, there might simply not be a term defined by the Dublin Core standard that can be mapped onto it, or second, the data harvested does not provide suitable values for the facet.  DC definition referred to: <http://dublincore.org/documents/dcmi-terms/> issued on 2012-06-14  DC schema usually encountered: http://www.openarchives.org/OAI/2.0/oai\_dc.xsd  The definition is presented as a list of xpath expressions to be handled by the application carrying out the mapping. This application, the md-mapper can be found at: <https://github.com/TheLanguageArchive/md-mapper> | | | | |
| **Property in ckan** | **DC Element** | | **DC Definition** | |
| **Property** | |  |
| Collection | - | - | - |
| Contributor | Contributor | /dc:contributor | An entity responsible for making contributions to the resource. |
| Country | - | - | - |
| CreationDate | Date | /dc:created  or  /dc:date | Date: A point or period of time associated with an event in the lifecycle of the resource.  Created (refined): Date of creation of the resource. |
| Creator | Creator | /dc:creator | An entity primarily responsible for making the resource. |
| DataProvider | Publisher | dc:publisher | An entity responsible for making the resource available. |
| Discipline | - | - | - |
| Format | Format | /dc:format  (except values that contain the term 'Bytes') | The file format, physical medium, or dimensions of the resource. |
| Language | Language | /dc:language | A language of the resource. |
| MetadataSchema | [http://www.openarchives.org/OAI/2.0/oai\_dc.xsd](http://www.openarchives.org/OAI/2.0/oai_dc.xsd%20) | - | - |
| Notes | Description | /dc:description | An account of the resource. |
| PID | Identifier | /dc:identifier | An unambiguous reference to the resource within a given context. |
| PublicationDate | - | No equivalent in DC Core, DCterms has “issued” | The year when the data was or will be made publicly available. |
| ResourceType | Type | /dc:type | The nature or genre of the resource. |
| Rights | Rights | /dc:rights | Any rights information for this resource. |
| SpatialCoverage | - | - |  |
| Subject | Subject | /dc:subject | The topic of the resource. |
| TemporalCoverage | - | - | - |
| Title | Title | /dc:title | A name given to the resource. |
| URL | Identifier | /dc:identifier  (provided the value conforms to an URI) | An unambiguous reference to the resource within a given context. |

The formal definition of the mapping can be found at: <https://github.com/DASISH/md-mapping/blob/master/mapfiles/dc.xml>

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| **DataCite 3.0 mapping**  **based on Starr, Joan, Jan Ashton, Amy Barton, Jannean Elliott, Marie‐Christine Jacquemot‐Perbal, Merja Karjalainen, Lynne McAvoy, Elizabeth Newbold, Sebastian Peters, Madeleine de Smaele, Natalija Schleinstein, Wolfgang Zenk-Möltgen, and Frauke Ziedorn: DataCite metadata schema for the publication and citation of research data: Version 3.0., 2013, doi:10.5438/0008 and** [**http://schema.datacite.org/meta/kernel-3/metadata.xsd**](file:///\\www.google.com\url%3fq=http%253A%252F%252Fschema.datacite.org%252Fmeta%252Fkernel-3%252Fmetadata.xsd) | | | | |
| **Property in ckan** | **DataCite 3.0 Element** | | | **DataCite 3.0 Definition** |
| **ID** | **Property** | |
| Collection | 17 | Description, if descriptionType 17.1=seriesInformation | resource/descriptions/description[@descriptionType=“SeriesInformation“] | Information about a repeating series, such as volume, issue, number. |
| Contributor | 7 | Contributor | - | The institution or person responsible for collecting, managing, distributing, or otherwise contributing to the development of the resource. |
| 7.2 | contributorName | resource/contributors/contributor/contributorName | The name of the contributor. |
| Country | - | - | - | - |
| CreationDate | 8 | Date, if dateType 8.1 = created | resource/dates/date[@dateType="Created"] | The date the resource itself was put together. |
| Creator | 2 | Creator | - | The main researchers involved in producing the data, or the authors of the publication, in priority order. |
| 2.1 | creatorName | resource/creators/creator/creatorName | The name of the creator. |
| DataProvider | 4 | Publisher | resource/publisher | The name of the entity that holds, archives, publishes prints, distributes, releases, issues, or produces the resource. This property will be used to formulate the citation, so consider the prominence of the role. |
| Discipline | - | - | - | - |
| Format | 14 | Format | resource/formats/format | Technical format of the resource. |
| Language | 9 | Language | resource/language | The primary language of the resource. |
| MetadataSchema | - | [http://schema.datacite.org/meta/kernel-3/metadata.xsd](file:///\\www.google.com\url%3fq=http%253A%252F%252Fschema.datacite.org%252Fmeta%252Fkernel-3%252Fmetadata.xsd) | - | - |
| Notes | 17 | Description, if descriptionType 17.1=Abstract | resource/descriptions/description[@descriptionType=“Abstract“] | A brief description of the resource and the context in which the resource was created. |
| PID | 1 | Identifier | resource/identifier[@identifierType="DOI"] | The Identifier is a unique string that identifies a resource. |
| PublicationDate | 5 | PublicationYear | resource/publicationYear | The year when the data was or will be made publicly available. |
| ResourceType | 10.1 | ResourceTypeGeneral | resource/resourceType[@resourceTypeGeneral] | The general type of a resource. |
| Rights | 16 | Rights | resource/rightsList/rights | Any rights information for this resource. |
| SpatialCoverage | 18 | GeoLocation | - | Spatial region or named place where the data was gathered or about which the data is focused. |
| 18.3 | geoLocationPlace | resource/geoLocations/geoLocation/geoLocationPlace | Description of a geographic location. |
| Subject | 6 | Subject | resource/subjects/subject | Subject, keyword, classification code, or key phrase describing the resource. |
| TemporalCoverage | 8 | Date, if dateType 8.1 = collected | resource/dates/date[@dateType="Collected"] | The date or date range in which the resource content was collected. |
| Title | 3 | Title | resource/titles/title | A name or title by which a resource is known. |
| URL | 1 | Identifier | resource/identifier[@identifierType="DOI"] | The Identifier is a unique string that identifies a resource. |

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| **based on www.ddialliance.org/sites/default/files/Version1-2-2.dtd and  http://www.icpsr.umich.edu/DDI/Version1-2-2.xsd** | | | | |
| **Property in ckan** | **DDI 1.2.2 Element** | | | **1.2.2 Definition** |
| **ID** | **Property** | |
| Collection | A.6.5.1 | Series Name (serName) | d:codeBook/d:stdyDscr/d:citation/d:serStmt/d:serName | The name of the data/documentation series to which the data/documentation belongs. |
| Contributor | A.6.2.2 | Other identifications and acknowledgments (othId) | d:codeBook/d:docDscr/d:citation/d:rspStmt/d:othId | Give statements of responsibility not recorded in the title statement of responsibility area. Make notes on persons bodies connected with the work, or significant persons or bodies connected with previous editions and not already named in the description. |
| Country | 2.2.3.3 | Country (nation) | d:codeBook/d:stdyDscr/d:stdyInfo/d:sumDscr/d:nation | Indicates the country or countries covered in the file. |
| CreationDate | A.6.3.3 | Date of Production (prodDate) | d:codeBook/d:docDscr/d:citation/d:prodStmt/d:prodDate | Date the data/documentation was produced (not archived). |
| Creator | A.6.2.1 | Authoring Entity (AuthEnty) | d:codeBook/d:docDscr/d:citation/d:rspStmt/d:AuthEnty | The person, corporate body, or agency responsible for the data/documentation's substantive and intellectual content. |
| DataProvider | A.6.3.1 | Producer (producer) | d:codeBook/d:docDscr/d:citation/d:prodStmt/d:producer | The producer is the person or organization with the finacial or administrative responsibility for the physical processes whereby the data/documentation is brought into existence. |
| Discipline | - | - | - | - |
| Format | 3.1.5 | Type of File (fileType) | d:codeBook/d:fileDscr/d:fileType | Types of data files include raw data (ASCII, EBCDIC, etc.) and software-dependent files such as SAS datasets, SPSS export files, etc. |
| Language | 0.0 | xml:lang attribute for codeBook element | d:codeBook/@xml:lang | (There is no place for getting the language for the resource. The only place would be the top level elements xml:lang attribute which describes the general language of the metadata.) |
| MetadataSchema | - | <http://www.icpsr.umich.edu/DDI/Version1-2-2.xsd> | - | - |
| Notes | 2.2.2 | Abstract (abstract) | d:codeBook/d:stdyDscr/d:stdyInfo/d:abstract | An unformatted summary describing the purpose, nature, and scope of the data collection, special characteristics of its contents, major subject areas covered, and what questions the PIs attempted to answer when they conducted the study. A listing of major variables in the study is important here. |
| PID | A.6.1.5 | Identification Number (IdNo) | d:codeBook/d:docDscr/d:citation/d:titlStmt/d:IDNo | Unique string or number (producer's/archive's number). |
| A.6.2.2 | Other identifications and acknowledgments (othId), if type=DOI | d:codeBook/d:stdyDscr/d:citation/d:rspStmt/d:othId[@type="DOI"] | - |
| PublicationDate | A.6.4.5 | Date of Distribution (distDate) | d:codeBook/d:docDscr/d:citation/d:distStmt/d:distDate | The date the data/documentation became operational in a computerized form and available for distribution/presentation. |
| ResourceType | 2.2.3.8 | Kind of Data (dataKind) | d:codeBook/d:stdyDscr/d:stdyInfo/d:sumDscr/d:dataKind | The type of data included in the file: survey data, census/enumeration data, aggregate data, clinical data, event/transaction data, program source code, machine-readable text, administrative records data, experimental data, psychological test, textual data, coded textual, coded documents, time budget diaries, observation data/ratings, process-produced data, etc. |
| Rights | A 6.3.2 | Copyright (copyright) | codeBook/d:stdyInfo/d:citation/d:prodStmt/d:copyright | Copyright Statement. |
|  | 2.4.1.3 | Availability Status (avlStatus) | codeBook/d:stdyDscr/d:dataAccs/d:setAvail/d:avlStatus | Statement of collection availability. An archive may need to indicate that a collection is unavailable because it is embargoed for a period of time, because it has been superseded, because a new edition is imminent, etc. |
| SpatialCoverage | 2.2.3.4 | Geographic Coverage (geogCover) | d:codeBook/d:stdyDscr/d:stdyInfo/d:sumDscr/d:geogCover | Information on the geographic coverage of the data. Include the total geographic scope of the data, and any additional levels of geographic coding provided in the variables. |
| Subject | 2.2.1.1 | Keywords (keyword) | d:codeBook/d:stdyDscr/d:stdyInfo/d:subject/d:keyword | Words or phrases that describe salient aspects of a data collection's content. Can be used for building keyword indexes and for classification and retrieval purposes. A controlled vocabulary can be employed |
| 2.2.1.2 | Topic Classification (topcClas) | d:codeBook/d:stdyDscr/d:stdyInfo/d:subject/d:topcClas | The classification field indicates the broad substantive topic(s) that the data cover. |
| TemporalCoverage | 2.2.3.1 | Time Period (timePrd) | d:codeBook/d:stdyDscr/d:stdyInfo/d:sumDscr/d:timePrd | The time period to which the data refer. This item reflects the time period covered by the data, not the dates of coding or making documents machine-readable or the dates the data were collected. |
| Title | A.6.1.1 | Title (titl) | d:codeBook/d:docDscr/d:citation/d:titlStmt/d:titl | Contains the full authoritative title of the data/documentation. |
| URL | 2.4.1.1 | Location (accsPlac) | d:codeBook/d:stdyDscr/d:dataAccs/d:setAvail/d:accsPlac/@URI | Location where the data collection is currently stored. |

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| **based on http://www.ddialliance.org/Specification/DDI-Lifecycle/3.1/XMLSchema and  http://www.ddialliance.org/Specification/DDI-Lifecycle/3.1/XMLSchema/FieldLevelDocumentation** | | |
| **Property in ckan** | **DDI 3.1 Element** | **DDI 3.1 Definition** |
| Collection | s:StudyUnit/r:SeriesStatement/r:SeriesName | Series name |
| Contributor | s:StudyUnit/r:Citation/r:Contributor | The name of a contributing author or creator, who worked in support of the primary creator given above. |
| Country | s:StudyUnit/c:ConceptualComponent/c:GeographicLocationScheme/r:GeographicLocation[r:Values/r:GeographyValue/r:GeographyCode/r:Value/@codeListID="ISO3166-1"]/r:Values/r:GeographyValue/r:GeographyName | Textual description of the particular geographic entity/code. |
| CreationDate | s:StudyUnit/d:DataCollection/d:CollectionEvent/d:DataCollectionDate/r:StartDate | Start of a date range. |
| Creator | s:StudyUnit/r:Citation/r:Creator | Person, corporate body, or agency responsible for the substantive and intellectual content of the described object. |
| a:Archive/a:OrganizationScheme/a:Individual/a:IndividualName | Full name of the individual. |
| a:Archive/a:OrganizationScheme/a:Organization/a:Individual/a:IndividualName | Full name of the individual. |
| a:Archive/a:OrganizationScheme/a:Organization/a:OrganizationName | The official name of the organization. |
| DataProvider | s:StudyUnit/r:Citation/r:Publisher | Person or organization responsible for making the resource available in its present form. |
| Discipline | - | - |
| Format | s:StudyUnit/pd:PhysicalDataProduct/pd:PhysicalStructureScheme/pd:PhysicalStructure/pd:Format | Description of the physical format of data file (e.g., SAS save file, Delimited file, Fixed format file). |
| s:StudyUnit/a:Archive/a:ArchiveSpecific/a:Item/a:Format | Describes the item's format. Can be repeated to support different languages. |
| s:StudyUnit/r:OtherMaterial/r:MIMEType | Provides a standard Internet MIME type for use by processing applications. |
| Language | s:StudyUnit/r:Citation/r:Language | Language of the intellectual content of the described object, expressed either as a two-character ISO language code or as a pair of two-character codes indicating language and locale, as per ISO 3166. |
| MetadataSchema | <http://www.ddialliance.org/Specification/DDI-Lifecycle/3.1/XMLSchema/instance.xsd> | - |
| Notes | s:StudyUnit/r:Abstract/r:Content | A human-readable abstract of the study unit describing the nature and scope of the data collection, special characteristics of its content. |
| PID | s:StudyUnit/r.Citation/r:InternationalIdentifier | ISBN, ISSN or similar designator. |
| PublicationDate | s:StudyUnit/r:Citation/r:PublicationDate/r:SimpleDate | The date of publication. |
| ResourceType | s:StudyUnit/s:KindOfData | Describes, with a string or a term from a controlled vocabulary, the kind of data documented in the logical product(s) of a study unit. Examples include survey data, census/enumeration data, administrative data, measurement data, assessment data, demographic data, voting data, etc. |
| Rights | s:StudyUnit/a:Archive/a:Access/a:AccessConditions | Describes conditions for access. |
| s:StudyUnit/r:Citation/r:Copyright | The copyright statement. |
| SpatialCoverage | s:StudyUnit/r:Coverage/r:SpatialCoverage/r:Description[@xml:lang='en']/text()  If no lang:  s:StudyUnit/r:Coverage/r:SpatialCoverage/r:Description | Provides a human-readable summary of the information included in Geography and Geography Reference. It may include information on all levels of spatial coverage, in addition to the overall coverage. This field can map to Dublin Core Coverage, which does not support structured strings. |
| Subject | s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Subject | A subject or list of subjects that indicate the topical coverage of the data described in a particular module/section. |
| s:StudyUnit/r:Coverage/r:TopicalCoverage/r:Keyword | A keyword (which can be supplied in multiple language-equivalent forms) to support searches on topical coverage. |
| TemporalCoverage | s:StudyUnit/r:Coverage/r:TemporalCoverage/r:ReferenceDate/r:SimpleDate | A single point in time. |
| s:StudyUnit/r:Coverage/r:TemporalCoverage/r:ReferenceDate/r:StartDate  and  s:StudyUnit/r:Coverage/r:TemporalCoverage/r:ReferenceDate/r:EndDate | Start of a date range.  End of a date range. |
| Title | s:StudyUnit/r:Citation/r:Title | Full authoritative title. Field may be repeated to document multiple languages. |
| URL | s:StudyUnit/a:Archive/a:ArchiveSpecific/a:Collection/a:URI | The URL or URN for the collection. |

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| **based on data provided by GAMS, Graz** [**http://gams.uni-graz.at/oaiprovider/?verb=ListRecords&metadataPrefix=oai\_europeana**](http://gams.uni-graz.at/oaiprovider/?verb=ListRecords&metadataPrefix=oai_europeana)  **Based on Europeana Schema Elements (ESE – the old europeana data model** [**http://www.europeana.eu/schemas/ese/**](http://www.europeana.eu/schemas/ese/)**) using fields also from dublincore and dublincore terms schemas**  **Please note that Europeana definitions consist of Dublin Core/terms definitions and comments and notes added to these.** | | |
| **Property in ckan** | **Fields in ESE** | **ESE definition** |
| Collection | dcterms:isPartOf | A related resource in which the described resource is physically or logically  included. Refinement of dc:relation. See also dcterms:hasPart.  Note:  Use for the name of the collection which the digital object is part of. |
| Contributor | dc:contributor | An entity responsible for making contributions to the resource.  Note:  The name of contributors to the original analog or born digital object. This  could be a person, an organisation or a service. Map each name to a separate repeated contributor element if possible. Ideally choose a preferred form of name from an authority source. If you do not use an authority source, use a consistent form of the name e.g. Shakespeare,  William. |
| Country | dcterms:spatial | Spatial characteristics of the resource. Refinement of dc:coverage.  Note:  Information about the spatial characteristics of the original analog or born digital object, i.e. what the resource represents or depicts in terms of space.  This may be a named place, a location, a spatial coordinate or a named  administrative entity. |
| CreationDate |  |  |
| Creator | (dc:contributor) | See above. |
| DataProvider | europeana:dataProvider  europeana:provider  dc:publisher |  |
| Discipline |  |  |
| Format |  |  |
| Language | dc:language | A language of the resource.  Comment:  The recommended best practice is to use a controlled vocabulary such as RFC 4646 (http://www.rfc-archive.org/getrfc.php?rfc=4646) which, in conjunction with ISO 639, defines two- and three-letter primary language tags.  Either a coded value or text string can be represented here.  Note:  Use this element for the language of textual objects and also where there is a  language aspect to other objects e.g. sound recordings, posters, newspapers  etc).If there is no language aspect to the digital object (e.g. a photograph),  please ignore this element.  This element is not for the language of the metadata of a resource, which may  be described in xml:lang attribute.  See europeana:language. |
| MetadataSchema | http://www.europeana.eu/schemas/ese/ http://www.europeana.eu/schemas/ese/ESE-V3.4.xsd |  |
| Notes |  |  |
| PID | dc:identifier | An unambiguous reference to the resource within a given context.  Note:  Use europeana:isShownBy for the URL of the provided digital object. If the  URL is already included in the dc:identifier element in the existing  metadata, keep it and repeat the information in europeana:isShownBy. |
| PublicationDate |  |  |
| ResourceType | dc:type, europeana:type | The nature or genre of the resource. Type includes terms describing general  categories, functions, genres, or aggregation levels for content. The  recommended best practice is to select a value from a controlled vocabulary  (for example, the DC Type vocabulary is available at  <http://dublincore.org/documents/dcmi-type-vocabulary/>).  Note:  The type of the original analog or born digital object as recorded by the  content holder, this element typically includes values such as photograph,  painting, sculpture etc.  Although the portal needs normalised values to support type-related functions  it is desirable to keep the original local values as well. Thus, all these original  values should be mapped to this element. A separate europeana:type  element has been added to contain the normalised value. |
| Rights | europeana:rights | Information about rights held in and over the resource.  Note:  This is a free text element and should be used for information about  intellectual property rights or access arrangements for the digital object that is  **additional** to the controlled value provided in europeana:rights.  Compare the use of this element with europeana:rights before making a  mapping decision. A record may contain both elements but do not duplicate  values in both elements:  <europeana:rights>http://www.europeana.eu/rights/rr-f/</europeana:rights>  <dc:rights>Kilmarnock House Trust (David Jones)</dc:rights> |
| SpacialCoverage | dcterms:spatial | Spatial characteristics of the resource. Refinement of dc:coverage.  Note:  Information about the spatial characteristics of the original analog or born digital object, i.e. what the resource represents or depicts in terms of space.  This may be a named place, a location, a spatial coordinate or a named  administrative entity. |
| Subject |  |  |
| TemporalCoverage | dcterms:temporal | Temporal characteristics of the resource. Refinement of dc:coverage  Note:  The temporal characteristics of the original analog or born digital object, i.e.  what the resource is about or depicts in terms of time. This may be a period, date or date range. |
| Title | dc:title | A name given to the resource. Typically, a Title will be a name by which the  resource is formally known. Refined by: dcterms:alternative  Note:  The title of the original analog or born digital object. Please use xml:lang  attributes for direct translations of the title. |
| URL | europeana:isShownAt, europeana:object | An unambiguous URL reference to the digital object on the provider’s web site  in its full information context.  Refinement of dc:relation. See also europeana:isShownBy.  Note:  This is a URL that will be active in the Europeana interface to give access to  the provided digital object displayed on the provider’s web site in its full  information context. Use europeana:isShownAt if you display the digital object with extra information (such as header, banner etc)or if the object is only accessible by clicking another icon on the local page or for digital objects embedded in HTML pages (even where the page is extremely simple). |