DSpace to MODS mappings

Introduction

Several Universitary Libraries are converting their old format to the MODS format (see Use of MODS). The libraries from Utrecht University and Leiden University both used DSpace, but are converting or have converted to MODS. In this document, we'll give the conversion as done by UBU (Utrecht) and UBL (Leiden) with remarks at the UBL mapping from Utrecht.

Mapping UBU

(From document mapping UBU-format fields to MODS fields version 0.9)

Mandatory velden	UBU-format / DSpace	MODS	Remarks for MODS	Example of XML
M	title	titleInfo>title titleInfo>subTitle		<titleInfo> **<title>The provisions of the Corpus Juris on community fraud</title>** **<subTitle>a Belgian and Dutch perspective</subTitle>** </titleInfo>
M	contributor.author	name>namePart name>role>roleTerm=aut Indien type. content=patent: name>namePart name>role>roleTerm=pth	Many possibilities with use of subelement Role	<name type="**personal**" ID="n1"> <namePart type="**given**">**Michael G**</namePart> **<namePart type***="family">Faure{*}</namePart>** **<role>** **<roleTerm authority="marcrelator" type="code">**aut</roleTerm> </role> <affiliation>Universiteit Maastricht. METRO</affiliation> </name>
	creator.congress	name>namePart name>role>roleTerm=orm	roleTerm authority="marcrelator" type="code">orm</roleTerm	<name type="**conference**"> <namePart>**International Workshop on Plasma-Based Ion Implantation 1993 : University of Wisconsin--Madison)***</namePart>** **<role><roleTerm authority="marcrelator" type= "code">**orm{*}</roleTerm></role> </name>
M	creator.corporation	name>namePart name>role>roleTerm=aut	roleTerm authority="marcrelator" type="code">aut</roleTerm	<name type="**corporate**"> <namePart>**Applied Science and Technology (ASTeX), Inc**</namePart> <role><roleTerm authority="marcrelator" type="code">**aut**</roleTerm> </name>
	contributor.digitizer	name>namePart name>role>roleTerm=oth	roleTerm authority="marcrelator" type="code">oth</roleTerm	<name type="**corporate**"> <namePart>**Universiteitsbibliotheek Utrecht**</namePart> <role><roleTerm authority="marcrelator" type="code">**oth**</roleTerm> </name>
	contributor.advisor	name>namePart name>role>roleTerm=ths		<name type="**personal**"> <namePart type="family">Wortmann</namePart> <namePart type="given">J.C.</namePart> <role> <!-- promotor -> <roleTerm authority="marcrelator" type="code">**ths**</roleTerm> </role>
	subject.discipline	classification		<classification>Farmacie</classification>
	subject.keywords	subject>topic		<subject> **<topic>grooming</topic>** **<topic>hypertension</topic>** </subject>

	description.abstract	abstract		<abstract xml:lang="nl"> Voorliggend rapport beschrijft de doelen, de gevolgde aanpak en de resultaten van de conferentie. Daarna wordende aanbevelingen van de Commissie Hersenen en Leren gegeven voor een mogelijk vervolgtraject </abstract>
	description.note	note		<note>Deze publicatie heb ik reeds eerder ingediend met de status van "ter perse". Hij is uiteindelijk pas in 2004 verschenen, maar ik heb pas onlangs een exemplaar van het tijdschrift ontvangen</note>
M	publisher	originInfo>publisher		<originInfo> <**publisher**> **Netherlands Organization for Scientific Research (NWO)**</publisher> <dateIssued encoding="iso8601">2005</dateIssued> </originInfo>
M	date.created	originInfo>dateIssued		<originInfo> **<dateCreated encoding="iso8601">1997</dateCreated>** </originInfo>
	date.valid	originInfo>dateValid		<originInfo> **<dateValid encoding="iso8601">1997</dateValid>** </originInfo>
	date.available	recordInfo.recordCreationDate	**Not to be used with OAI-response!**	
M	date.issued	originInfo>dateIssued	Use only when date.created is not available	<originInfo> **<dateIssued encoding="iso8601">1997</dateIssued>** </originInfo>
M	type.content	genre	Much better	<genre>info:eu-repo/semantics/article</genre>
M	type.physical	typeOfResource Indien type.physical afwezig: standaard op text zetten	Much better	<typeOfResource>text</typeOfResource>
	format.extent	format.extent	**Not to be used with OAI-response!**	
	identifier.isbn	identifier type="isbn" Indien "chapter": relatedItem> identifier type="isbn"		<identifier type="uri">URN:ISBN:90-5278-327-6</identifier>
	relation.ispartofissn	identifier type="issn"		<relatedItem type="host"> **<identifier type="uri">URN:ISSN:0304-3940</identifier>** **<titleInfo>** <title>Neuroscience Letter</title> </titleInfo> <part> <detail type="volume"> <number>77</number> </detail> <detail type="issue"> <number>1</number> </detail> <extent unit="page"> <start>71</start> <end>75</end> </extent> </part> </relatedItem>
	identifier.uri	identifier.uri	**Not in metadata-section of DIDL**	
	identifier.urljumpoff	location.url?	**Not in metadata-section of DIDL**	

	languag e.iso	language>languag eTerm		<language> <**languageTerm** authority="rfc3066" type="code">**en**</**languageTerm**> </language>
M	relation. ispartofs eries	relatedItem type=" host">titleInfo>title		<relatedItem type="host"> <identifier type="uri">URN:ISSN:0304-3940</identifier> <**titleInfo**> <**title**>**Neuroscience Letter**</**title**> </**titleInfo**> <part> <detail type="volume"> <number>77</number> </detail> <detail type="issue"> <number>1</number> </detail> <extent unit="page"> <start>71</start> <end>75</end> </extent> </part> </relatedItem>
M	relation. ispartof monogra ph	relatedItem type=" host">titleInfo>title		<relatedItem type="host"> <**titleInfo**> <**title**>**Das Corpus Juris als Grundlage eines europaeischen Strafrechts : Europaeisches Kolloquium, Trier, 4.-6. Maerz 1999** </**title**> </**titleInfo**>
M	ispartofv olume	relatedItem>part>d etail type="volume" >number		<relatedItem type="host"> <identifier type="uri">URN:ISSN:0304-3940</identifier> <titleInfo> <title>Neuroscience Letter</title> </titleInfo> <part> <**detail type="volume"**> <**number>77**</**number**> </**detail**> <detail type="issue"> <number>1</number> </detail> <extent unit="page"> <start>71</start> <end>75</end> </extent> </part> </relatedItem>
M	ispartofis sue	relatedItem>part>d etail type="issue" >number		<relatedItem type="host"> <identifier type="uri">URN:ISSN:0304-3940</identifier> <titleInfo> <title>Neuroscience Letter</title> </titleInfo> <part> <detail type="volume"> <number>77</number> </detail> <**detail type="issue"**> <**number>1**</**number**> </**detail**> <extent unit="page"> <start>71</start> <end>75</end> </extent> </part> </relatedItem>

	ispartofstartpage	relatedItem>part>extent unit="page">start		<relatedItem type="host"> <identifier type="uri">URN:ISSN:0304-3940</identifier> <titleInfo> <title>Neuroscience Letter</title> </titleInfo> <part> <detail type="volume"> <number>77</number> </detail> <detail type="issue"> <number>1</number> </detail> <extent unit="page"> **<start>71</start>** <end>75</end> </extent> </part> </relatedItem>
	ispartofendpage	relatedItem>part>extent unit="page">end		<relatedItem type="host"> <identifier type="uri">URN:ISSN:0304-3940</identifier> <titleInfo> <title>Neuroscience Letter</title> </titleInfo> <part> <detail type="volume"> <number>77</number> </detail> <detail type="issue"> <number>1</number> </detail> <extent unit="page"> <start>71</start> **<end>75</end>** </extent> </part> </relatedItem>
	coverage.spatial	subject>geographic		- <<subject authority="**lcsh**"> <geographic>{*}Campbell County (Wyo.)*</geographic></ subject>
	coverage. temporal	subject>temporal		<subject>**<temporal>1980-2000 </temporal>**</subject>
	rights. accessrights	accessCondition	**Not in metadata-section of DIDL**	
	rights. placeofpublication	originInfo>place>placeTerm		<originInfo> <place> **<placeTerm>Freiburg im Breisgau</placeTerm>** </place>
	audience	targetAudience		**<targetAudience>students></ targetAudience>**
	edition	originInfo>edition		<originInfo>**<edition>2e herz. Versie></edition>** </originInfo>

Mapping type publicities (dc:type.content -> mods:genre):

UBU types	**New MODS-types**	**Old DARE-types**
Annotation	annotation	Annotation
Article Article / Letter to editor Article - letter to the editor Article in monograph or in proceedings Book editorial	article	Article / Letter to editor Article in monograph or in proceedings Book editorial
Bachelor thesis	bachelorThesis	Bachelor thesis

book Book (monograph) Book-monograph-editorial book	book	Book (monograph)
Part of book or chapter of book Part of book - chapter Part of book / Chapter	bookPart	Part of book or chapter of book
Book review	bookReview	Book review
Pamphlet	conferencePaper	
Contribution for newspaper or weekly magazine Newspaper article	contributionToPeriodical	Contribution for newspaper or weekly magazine Newspaper article
Doctoral thesis Dissertation	doctoralThesis	Doctoral thesis
Conference lecture Educational material Inaugural lecture Working material	lecture	Conference lecture Educational material Inaugural lecture Working material
Master thesis	masterThesis	Master thesis
Patent	patent	Patent
Preprint	preprint	Preprint
Commission report or memorandum Conference report External research report Internal report Statistical report	report	Commission report or memorandum Conference report External research report Internal report Statistical report
Student thesis	studentThesis	Student thesis
Technical documentation	technicalDocumentation	Technical documentation
Research paper	workingPaper	Research paper

Mapping UBL

DC fields availabe for direct input in DSpace *(source: DSpace configuration file)*

DC field	Title	Repeatable	Comments
contributor	author	**Yes**	
title		**No**	
title	alternative	**Yes**	
date	issued	**No**	
publisher		**No**	
identifier	citation	**No**	
relation	is part of series	**Yes**	
identifier		**Yes**	any identification numbers or codes associated with it
type	Class / type of content	**No**	
type	type of content	**Yes**	
language	ISO	**No**	

subject	keywords	**Yes**	
description	abstract	**No**	
description	sponsors	**No**	
description	other	**No**	

DC fields available in DC registry - this list excludes the fields which explicitly state they're not present in the QDCLeiden. Repeatability is stated less explicitly than with direct input.

DC field		Repeatable	Comments
contributor	author	**Y**	
contributor	editor	**Y**	
contributor	promotor	**Y**	
contributor			
coverage	court		
coverage	researchinstitur e		
coverage	spatial		
creator	faculty	**Y**	
creator	metisid	**Y**	
creator			Do not use; only for harvested metadata.
date	accessioned		
date	available		
date	created		
date	issued		
date	metis		
description	abstract		
description	sponsorship	**Y**	
description			
format	extent	**Y**	
format	mimetype		
identifier	annotationnr		
identifier	metisid		
identifier	uri		
language		**Y**	
provenance	metis		
publisher	place		
publisher			
relation	references		
rights			
source	booktitle		
source	bundletitle		
source	contribution		
source	epage		

source	issue		
source	journaltitle		
source	pag		
source	series		
source	spage		
source	uri		Do not use; only for harvested metadata.
source	volume		
source			Do not use; only for harvested metadata.
subject	ddc		
subject	lcc		
subject	lcsh		
subject	mesh		
subject	metis		
subject			Uncontrolled index term.
title	alternative		
title			
type	class		
type	metis		
type			

All DC fields and their corresponding MODS fields *(bron: Library of Congress)*

DC field	**MODS element**	**Comments**
Title	<titleInfo><title>	
Creator	<name><namePart> <role type="text" >creator	1. MODS puts all names in a repeated<name> with type of contribution included in <role>. If desired to retain creator or contributor distinction, use <name><namePart><role>creator 2. MODS assumes structured form of name 3. MODS allows distinguishing name as personal, corporate, conference in type attribute. DC does not, so this information is lost. 4. MODS allows <name> subelements to be parsed: <namePart>, <displayForm>, <affiliation>, <role>, <description>. Default DC value to <namePart>.
Subject	<subject><topic> <classification> ††	Data in MODS may be included in a more specific subelement: <topic>, <geographic>, <temporal>, <name>, <titleInfo>, <hierarchicalGeographic>, <coordinates>. DC also uses classification schemes in Subject. These distinctions will be lost when converting from DC to MODS. Default DC value to <topic>.
Description	<abstract> <note> <tableOfContents>	Multiple elements in MODS. These distinctions will be lost when converting from DC to MODS. Default DC value to <note>.
Publisher	<originInfo><publisher>	DC value may include place of publication/issuance. This distinction will be lost when converting from DC to MODS and place may be in MODS publisher.

Contributor	<name><namePart>	See notes under Creator
Date	<originInfo><dateIssued>	Multiple elements in MODS. These distinctions will be lost when converting from DC to MODS> Default DC value to <dateOther>.
	<originInfo><dateCreated>	
	<originInfo><dateCaptured>	
	<originInfo><dateOther>	
Type	<typeOfResource><genre>	MODS uses high level types in <typeOf Resource> (controlled list); more specific genre terms in <genre> (may or may not be from a controlled list). If DC value is from dc:type list, use <genre> with authority="dct" and supply a MODS enumerated typeOfResource value when possible (see mapping below). If not from dc:type list, default to <genre>.
Format	<physicalDescription><internetMediaType>	Multiple elements in MODS. Default DC value to <physicalDescription><form>
	<physicalDescription><extent>	
	<physicalDescription><form>	
Identifier	<identifier><location><uri>	MODS makes a distinction between a persistent identifier and a location. A type attribute specifies the identifier type, e.g. <identifier type="uri">; http: URIs also go in <location><url>. Default DC value to <location><url> if it begins "http://"
Source	<relatedItem type="original"> + <titleInfo><title> or <location><url>	See notes under Relation
Language	<language>	
Relation	<relatedItem> + <titleInfo><title> or <location><url>	Data in mods:relatedItem is parsed into subelements (any MODS element may be used). Default DC value to <titleInfo><title> unless it begins "http://", in which case to <location><url>.
Coverage	<subject><temporal>	Multiple elements in MODS. May result in incorrect mapping, since there is not a way to tell if the coverage is spatial or temporal. Default coverage to <subject><geographic> (although this may result in some errors)
	<subject><geographic>	
	<subject><hierarchicalGeographic>	
	<subject><cartographics>	
Rights	<accessCondition>	

Fields in DSpace with our own input:

DC field	Title	MODS field	Comments
contributor	author	**<name><namePart><role type="text">creator**	
title		**<titleInfo><title>**	
title	alternative	**<titleInfo><title>**	Type *alternative*
date	issued	**<originInfo><dateIssued>**	
publisher		**<originInfo><publisher>**	
identifier	citation		Used for theses
relation	is part of series	**<relatedItem>**	
identifier		**<identifier>**	
type	Class / type of content	**<genre>**	
type	type of content	**<genre>**	
language	ISO	**<language>**	
subject	keywords	**<subject>**	
description	abstract	**<abstract>**	
description	sponsors	**<note>**	
description	other	**<note>**	

DC field	Title	MODS field	**Comments** (from Leiden and when noted from Utrecht)
contributor	author	**<name><namePart>***<role type="text">creator*	
contributor	editor	**<name><namePart>***<role type="text">editor*	
contributor	promotor	**<name><namePart>***<role type="text">promotor*	
contributor		**<name><namePart>**	
coverage	court	**<subject><hierarchicalGeographic>**	
coverage	researchinstiture	**<subject><hierarchicalGeographic>**	
coverage	spatial	**<subject><geographic>**	
creator	faculty	**<name type="text">corporate**	
creator	metisid	**<name type="text">enumerated**	Utrecht: is this the DAI? We use that as suffix for contributor.author
creator		**<name><description>**	
date	accessioned	<originInfo><dateCaptured>	(means 'addition to repositorium' -> date in DSPACE
date	available	**<originInfo><dateOther type="text">available**	
date	created	**<originInfo><dateCreated>**	
date	issued	**<originInfo><dateIssued>**	
date	metis	**<originInfo><dateOther type="text">metis**	
description	abstract	**<abstract>**	

description	sponsorship	**<note>**	
description		**<note>**	
format	extent	**<physicalDescription><extent>**	
format	mimetype	**<physicalDescription><internetMediaType>**	
identifier	annotationnr	**<identifier type="text">annotationnr**	
identifier	metisid	**<identifier type="text">metisid**	
identifier	uri	**<location><uri>**	
language		**<language>**	
publisher	place	**<originInfo><place>**	
publisher		**<originInfo>**	
relation	references	[Title of a book][][Place of publication]:[] [publisher]; [ ] [year of issue].	Utrecht: We don't use relation.references
rights		**<accessCondition>**	
source	booktitle	**<relatedItem><titleinfo><title>**	Utrecht: We use our own defined field relation. ispartofmonograph
source	bundletitle	**<relatedItem><type>bundle< /type><titleinfo><title>**	Utrecht: We use our own defined field relation.ispartofseries
source	contribution	**<relatedItem><type>contributing< /type><titleinfo><title>**	Utrecht: We don't use a field for this (yet)
source	epage	**<relatedItem><part><extent><end>**	Utrecht: We use our own defined field relation. ispartofendpage
source	issue	**<relatedItem><type>issue</type><titleinfo><title>**	Utrecht: We use our own defined field relation.ispartofissue
source	journaltitle	**<relatedItem><type>host</type><titleinfo><title>**	Utrecht: We use our own defined field relation.ispartofseries
source	pag	**<relatedItem><part><extent><total>**	Utrecht: We don't use a field for this (yet)
source	series	**<relatedItem><type>series</type><titleinfo><title>**	Utrecht: We use our own defined field relation. ispartofmonograph
source	spage	**<relatedItem><part><extent><start>**	Utrecht: We use our own defined field relation. ispartofstartpage
source	uri	**<location><url>**	Utrecht: We don't think this is part of MODS
source	volume	**<relatedItem><type>bundle</type><identifier>**	Utrecht: We use our own defined field relation. ispartofvolume
source		**<relatedItem><note>**	Utrecht: We use our own defined field description.note
subject	ddc	**<classification>***<authority>ddc*	
subject	lcc	**<classification>***<authority>lcc*	
subject	lcsh	**<subject><authority>lcsh**	
subject	mesh	**<subject><authority>mesh**	
subject		**<subject><name>**	
title	alternative	**<titleInfo><type>alternative<title>**	
title		**<titleInfo><title>**	
type	class		KNAW Utrecht: We don't think this is part of MODS
type	metis		Utrecht: We don't use a part field, but make a mapping to dc: type with import
type			