



Jorum

Helping to build a community for sharing

## JorumOpen Application Profile

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Date: Jan 2010

Status: Draft

## **Background**

This document describes the JorumOpen metadata application profile. The JorumOpen Application Profile is implemented in Dublin Core (DC) metadata. JorumOpen uses the DSpace repository platform software, this software uses Dublin Core as its out of the box metadata profile.

JorumOpen has used the previous Jorum application profile as a basis of its new application profile. The original Jorum Application profile was implemented using a subset of the UK Learning Object Metadata Core (UK LOM Core) which is itself derived from the IEEE 1484.12.1-2002 Standard for Learning Object Metadata (IEEE LOM). The UK LOM Core was specifically designed for use by metadata implementers such as the JORUM Project (i.e. those creating applications for service and data providers that implement the LOM).

### **1. What Metadata elements are required?**

#### **1.1 Which Metadata elements are Mandatory?**

JorumOpen requires some 'mandatory' metadata to be entered before any submission can be completed. These metadata fields are:

##### Mandatory Metadata

- 1.1 Title
- 1.2 Author Name
- 1.3 Classification
- 1.4 Licence

\*All of these fields must be completed before a submission can be completed.

These fields are presented in the DSpace repository as a series of web pages with 'text fields', 'drop down selections' and 'radio button choices'. Fig 1, Fig 2 and Fig 3 represent these fields as they are presented in JorumOpen.

Fig 1: JorumOpen 'Classification' choosing page.

## Deposit resources

**Select a collection**

Collection:

- Select a collection...
- FE - Agriculture Horticulture & Animal Care
- FE - Area Studies / Cultural Studies / Language...
- FE - Arts & Crafts
- FE - Business / Management / Office Studies
- FE - Catering / Food / Leisure Services / Tourism
- FE - Communication / Media / Publishing
- FE - Construction & Property (Built Environment)
- FE - Education / Training / Teaching
- FE - Engineering
- FE - Environment Protection / Energy / Cleansin...
- FE - Family Care / Personal Development / Perso...
- FE - Health Care / Medicine / Health & Safety
- FE - Humanities (History / Archaeology / Religi...
- FE - Information Technology & Information
- FE - Logistics / Distribution / Transport / Dri...
- FE - Manufacturing / Production Work
- FE - Oil / Mining / Plastics / Chemicals
- FE - Performing Arts
- FE - Politics / Economics / Law / Social Sciences

← **1.3 Classification**  
*(Mandatory)*

Fig 2: JorumOpen 'Describe' page

**Describe Item**

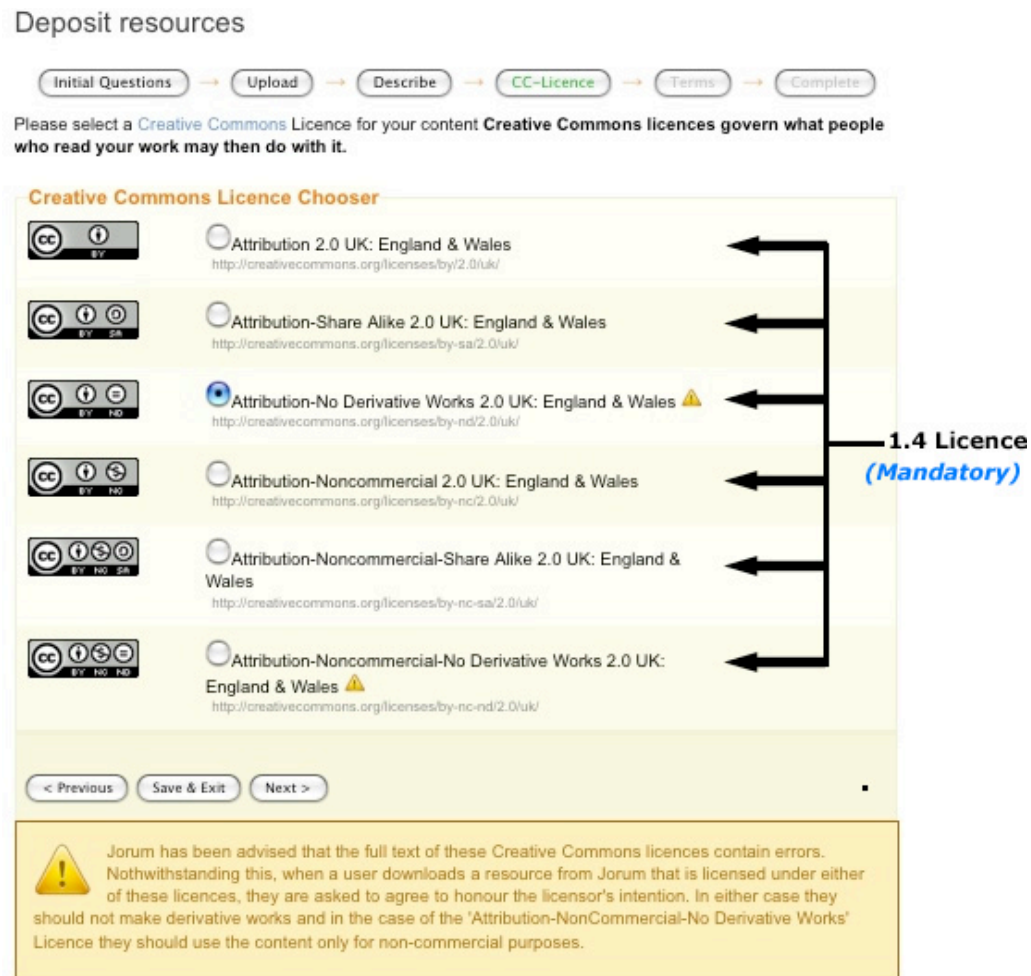
**Title:**   
Enter the main title of the item. ← **1.1 Title**  
*(Mandatory)*

**Overview:**   
A brief description of your resource. ← **1.5 Description**  
*(Recommended)*

**Keywords:**    
Enter appropriate subject keywords or phrases below. ← **1.6 Keywords**  
*(Recommended)*

**Authors:**    
The full name of the Individual or Organisation who owns this resource ← **1.2 Author**  
*(Mandatory)*

Fig 3: JorumOpen 'Licence' Chooser page



## 1.2 Which Metadata elements are 'Recommended'?

JorumOpen also offers the functionality to add additional/recommended metadata. This additional metadata is not 'mandatory' but is 'recommended' in order to create a richer metadata record for the learning resources. The 'Recommended' metadata fields are:

### Recommended Metadata

- 1.5 Description
- 1.6 Keywords

These 'recommended' fields in JorumOpen are demonstrated above in Fig 2.

### **1.3 Which Metadata elements are system generated?**

The system also automatically generates some metadata values. These are:

#### System Generated Metadata

- 2.1 Language
- 2.2 Technical Format
- 2.3 Identifier
- 2.4 Contributor
- 2.5 Date

### **1.4 Which Metadata schema does JorumOpen use?**

JorumOpen is hosted in the DSpace repository. This repository uses Dublin Core as its default metadata schema. JorumOpen uses many of the Dublin Core element set but not them all. JorumOpen does not use the following Dublin Core terms; coverage, relation, source or type.

### **1.5 What happens to elements which are completed in other Metadata schema' but are not required by JorumOpen, does the system ignore them or does it strip them out?**

JorumOpen only allows the completion of 'relevant' metadata i.e. Values 1.1.-1.8. As a result users will not be entering any metadata which will be redundant in the full Dublin Core metadata record.

JorumOpen currently supports the uploading of IMS and SCORM content packages. These packages can be uploaded with additional metadata in different metadata schemas than Dublin Core e.g. LOM. JorumOpen will not utilise much of this metadata but it should be noted that it will also not delete or remove any of this metadata. NOTE: JorumOpen will make all original metadata supplied with a Content Package available through its "Download Original Content Package" option.

## **2. The JorumOpen Element Set**

The JorumOpen repository is hosted in the DSpace repository. The DSpace repository supports the Dublin Core metadata schema. As such all the terms referred to in this document i.e. 1.1 - 2.5 are mapped to specific Dublin Core metadata terms. These

mappings are illustrated in the below tables.

### JorumOpen Element Set.

Title	
Reference	1.1
JorumOpen value	Title
DC Label	dc.title <a href="http://purl.org/dc/elements/1.1/title">http://purl.org/dc/elements/1.1/title</a>
Definition	A name given to the resource
Completion	Mandatory
Completed by	Depositor

Author	
Reference	1.2
JorumOpen value	Author
DC Label	dc.creator <a href="http://purl.org/dc/elements/1.1/creator">http://purl.org/dc/elements/1.1/creator</a>
Definition	An entity primarily responsible for making the resource
Completion	Mandatory
Completed by	Depositor

Classification	
Reference	1.3
JorumOpen value	Classification
DC Label	dc.subject <a href="http://purl.org/dc/elements/1.1/subject">http://purl.org/dc/elements/1.1/subject</a>
Definition	The nature or genre of the resource. Jorum uses subject classifications JACS.
Completion	Mandatory
Completed by	Depositor

Creative Commons Licence	
Reference	1.4
JorumOpen value	Creative Commons Licence
DC Label	dc.rights <a href="http://purl.org/dc/elements/1.1/rights">http://purl.org/dc/elements/1.1/rights</a>
Definition	Information about rights held in and over the resource. (In JorumOpen this will be CC licence information)
Completion	Mandatory

Completed by	Depositor (selected from a list of licence options)
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Overview (Description)	
Reference	1.5
JorumOpen value	Overview (Description)
DC Label	dc.description <a href="http://purl.org/dc/elements/1.1/description">http://purl.org/dc/elements/1.1/description</a>
Definition	Information about rights held in and over the resource.
Completion	Recommended (optional)
Completed by	Depositor (selected from a list of licence options)

Keywords	
Reference	1.6
JorumOpen value	Keywords
DC Label	dc.subject <a href="http://purl.org/dc/elements/1.1/subject">http://purl.org/dc/elements/1.1/subject</a>
Definition	The topic of the resource.
Completion	Recommended (Optional)
Completed by	Depositor

Language	
Reference	2.1
JorumOpen value	Language
DC Label	dc.language <a href="http://purl.org/dc/elements/1.1/language">http://purl.org/dc/elements/1.1/language</a>
Definition	The language of the resource
Completion	Mandatory
Completed by	System Generated

Format	
Reference	2.2
JorumOpen value	Format
DC Label	dc.format <a href="http://purl.org/dc/elements/1.1/format">http://purl.org/dc/elements/1.1/format</a>
Definition	The file format, physical medium, or dimensions of the resource.
Completion	Recommended (Optional)
Completed by	System Generated

Identifier	
Reference	2.3
JorumOpen value	Identifier
DC Label	dc.identifier <a href="http://purl.org/dc/elements/1.1/identifier">http://purl.org/dc/elements/1.1/identifier</a>
Definition	A permanent way to record the identification of the resource.
Completion	Mandatory
Completed by	System Generated

Contributor	
Reference	2.4
JorumOpen value	Contributor
DC Label	dc.publisher <a href="http://purl.org/dc/elements/1.1/publisher">http://purl.org/dc/elements/1.1/publisher</a>
Definition	The name of the person publishing the resource
Completion	Mandatory
Completed by	System Generated

Contributed Date	
Reference	2.5
JorumOpen value	Contributed Date
DC Label	dc.date <a href="http://purl.org/dc/elements/1.1/date">http://purl.org/dc/elements/1.1/date</a>
Definition	The date the resource was submitted
Completion	Mandatory
Completed by	System Generated