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Page: [About DRIVER](#)

What DRIVER is DRIVER, the "Digital Repository Infrastructure Vision for European Research" project is conducted by an EC funded consortium that is building an organisational and technological framework for a pan-European data-layer, enabling the advanced

Page: [About the DRIVER Guidelines](#)

Why use the DRIVER Guidelines? The "DRIVER Guidelines for Content Providers: Exposing textual resources with OAI-PMH" will provide orientation for managers of new repositories to define their local data-management policies, for managers of existing reposi

Page: [Acknowledgements](#)

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Page: [adminEmail for error logging feedback](#)

See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#Identify> <http://www.openarchives.org/OAI/openarchivesprotocol.html#Identify>+ The repository must provide an administrator e-mail address in the Identify request. In the near future we want the

Page: [Annex Use of Intellectual Property Rights \(IPR\)](#)

This section addresses an important issue on Usage Rights and Deposit Rights. In practice this must be implemented. The DRIVER Guidelines should say something on how Usage Rights should be exposed and formatted in metadata. The basis of this section will

Page: [Annex Use of Persistent Identifiers](#)

Persistent Identifiers for web resources are needed to create a stable and reliable infrastructure. This does not concern technicalities, but mainly agreements on organisational level. DRIVER Guidelines could make some recommendations on the implementatio

Page: [Annex Use of Quality Labels](#)

The DRIVER Guidelines 2.0 provides basic information on the importance of Quality, and Interoperability. Quality labels can be used to assure Stable and reliable repositories that last longer than the hype, and have also an archival purpose for Long Term

Page: [Annex Use of Usage Statistics Exchange](#)

This section will not appear in the DRIVER Guidelines 2.0 Final release. The input for this section will be make from the experiences and best practices that comes from the two European projects who harvest Statistic reports from repositories to present s

Page: [Audience](#)

Element name Audience DCMI definition A class of entity for whom the resource is intended or useful. Usage Optional Usage instruction A class of entity may be determined by the creator or the publisher or by a third party. On the U.S. Department of Educat

Page: [Author Identification](#)

(this information is cited and modified from the European NEEO project. Network of European Economists Online (NEEO): project information see <http://www.nereus4economics.info/neeo.html> <http://www.nereus4economics.info/neeo.html>. For the DAI information se

B

Page: [Background information](#)

The DIDL XML container was originally developed within the DARE program of SURF as a first implementation of MPEG-21 DIDL. The rationale behind this development was: A solution for resource harvesting via OAI-PMH for transport of the digital resources (PD

C

Page: [Challenges](#)

What researchers expect Researchers and other users of digital information systems have high expectations for provision of digital content. Retrieval should be fast, direct (within a few clicks) and versatile. The current culture in the landscape of digit

Page: [Communication for Repository modification](#)

Modification to baseURL, setSpec, metadataPrefix, or metadata schema's When a DRIVER repository modifies either the baseURL, setSpec, metadataPrefix or metadata schemas which influence the DRIVER content cycle, then the concerning repository administrator

Page: [Contributor](#)

Element name Contributor DCMI definition An entity responsible for making contributions to the content of the resource. Examples of a Contributor include a person, an organization, or a service. Typically, the name of a Contributor should be used to indic

Page: [Coverage](#)

Element name Coverage DCMI definition The extent or scope of the content of the resource. Coverage will typically include spatial location (a place name or geographic coordinates), temporal period (a period label, date, or date range) or jurisdiction (suc

Page: [Creator](#)

Element name Creator DCMI definition An entity primarily responsible for making the content of the resource. Typically, the name of a Creator should be used to indicate the entity. Usage Mandatory Usage instruction Examples of a Creator include a person,

D

Page: [Date](#)

Element name Date DCMI definition A date associated with an event in the life cycle of the resource. Typically, Date will be associated with the creation or availability of the resource. Recommended best practice for encoding the date value is defined in a

Page: [Datestamp](#)

According to the protocol, each record contains a header with a datestamp with "the date of creation, modification or deletion of the record for the purpose of selective harvesting." The protocol also explains the selective harvesting as follows: "...modif

Page: [Datestamp syntax](#)

See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#Datestamp> <http://www.openarchives.org/OAI/openarchivesprotocol.html#Datestamp+> , <http://www.openarchives.org/OAI/openarchivesprotocol.html#Dates> <http://www.openarchives.org/OAI/openarchivespro>

Page: [DC - RELATION and Linking related objects](#)

The DC:RELATION field can typically be used for describing relations to other expressions, or versions of the document. For example the Published version of an article and the author version of an article. These can be referred to each other by using the

Page: [DC - SOURCE and Citation information](#)

For publications use the DC:SOURCE field for inserting information a person can use to appropriately make a citation of the record he/she has found. Preferably use the APA style of writing references. For example <dc:source>Ecology Letters (1461023X), vol

Page: [Definitions and concepts \(item, record and unique identifier\)](#)

Item and Record It is important to make a distinction between Item and Record. The protocol text states: "...An item is conceptually a container that stores or dynamically generates metadata about a single resource in multiple formats, each of which can b

Page: [Deleted records](#)

E

Page: [Encoding schemes](#)

The DRIVER Guidelines use the following encoding schemes: Name Field Scheme Author dc:creator APA bibliographic writing style as in a reference list. Syntax: surname, initials (first name) [http://en.wikipedia.org/wiki/Apa_style#Reference_list <http://en.w>

Page: [Example of a DIDL embedded in OAI-PMH](#)

```
<?xml version="1.0" encoding="UTF-8"?> <?xml-stylesheet type="text/xsl" href="DIDL_documentHTML.xsl"?> <OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives
```

See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#DeletedRecords> <http://www.openarchives.org/OAI/openarchivesprotocol.html#DeletedRecords> If a record is no longer available then it is said to be deleted. Repositories must declare one of three

Page: [Description](#)

Element name Description DCMII definition An account of the content of the resource. Description may include but is not limited to: an abstract, table of contents, reference to a graphical representation of content or a free-text account of the content. Us

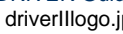
Page: [Descriptive Provenance Information](#)

The description container of the Identify response may be used to deliver additional information on the repository. Service providers may look for this and improve their data processing and the services based on the metadata and their quality. Best practi

Page: [DIDL as wrapper](#)

The DIDL XML container, as defined in DRIVER, is a document with one top-level Item element. The Item contains several child Item elements. These child item elements appear in three different kind of types. Between the straight brackets the cardinality of

Page: [DRIVER Guidelines v2](#)

 Digital Repository Infrastructure Vision for European Research DRIVER Guidelines 2.0 Guidelines for content providers - Exposing textual resources with OAI-PMH worddav42d6ff743ceebbd07247c0f3727fe27b.png cc-by wordle.net [November 2008] G

Page: [DRIVER Set Content definitions](#)

The specific content of the 'driver' set is determined at the local repository. A DRIVER repository using this kind of sets must conform to the following rules when inserting a record into the DRIVER set: The DRIVER set contains records that must contain

Page: [DRIVER Set naming](#)

See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#Set> <http://www.openarchives.org/OAI/openarchivesprotocol.html#Set> The OAI-PMH document states: Repositories may organize items into sets. Set organization may be flat, i.e. a simple list, or h

Page: [DRIVER-TYPE Mappings](#)

Mapping of other Publication type lists with the one made available in the section Publication type page in chapter "Use of Vocabularies and Semantics". In that section one can find details definitions of the terms used in that vocabulary in order to make

Page: [DRIVER-VERSION Mappings](#)

Below are the mappings of the DRIVER versioning scheme compared to other versioning schemes In the library and repository world. More about DRIVER versions in the section Version on page in chapter "Use of Vocabularies and Semantics". Eprints Version type

F

Page: [Format](#)

Element name Format DCMII definition The physical or digital manifestation of the resource. Typically, Format may include the media-type or dimensions of the resource. Format may be used to determine the software, hardware or other equipment needed to disp

G

<p>H</p> <p>Page: Harvest batch size The batch size is the number of records a repository delivers to the harvester for one resumption token and determines how many request processes have to be executed. The agreement is that DRIVER repositories must set the batch size between 100 and 500 re</p> <p>Home page: Home Introduction This is the home of the DRIVER guidelines wiki space. Additional information and translations of the Guidelines are available from the DRIVER website http://www.driver-support.eu/managers/html. DRIVER stands for Digital Repository Infrastruct</p>	<p>I</p> <p>Page: Identifier Element name Identifier DCMI definition An unambiguous reference to the resource within a given context. Usage Mandatory Usage instruction Recommended best practice is to identify the resource by means of a string or number conforming to a formal identifi</p> <p>Page: Implementation plan on using URN_NBN Persistent Identifiers First of all we would like to say that the persistency of Identifiers and web resources is not about the technology one uses, but about organisation and sustainable business models. For more information about Persistent Identifier policies take a look at</p> <p>Page: Index {index}{index}</p> <p>Page: Info eu-repo - A namespace for URI-fying un-URLfied Schema's and Identifiers The namespace info:eu-repo is registered at http://info-uri.info http://info-uri.info/registry/OAIHandler?verb=GetRecord&metadataPrefix=reg&identifier=info:eu-repo/ This name space is an authoritative placeholder for semantic terms, controlled vocabularies</p> <p>Page: Introduction Acknowledgements About DRIVER</p>
<p>J</p>	<p>K</p>
<p>L</p> <p>Page: Language Element name Language DCMI definition A language of the intellectual content of the resource. Usage Recommended Usage instruction A specific resource (an instance of scientific output) is either written in one human language or more. In these cases all us</p>	<p>M</p> <p>Page: MetadataPrefix naming See: http://www.openarchives.org/OAI/openarchivesprotocol.html#MetadataNamespaces http://www.openarchives.org/OAI/openarchivesprotocol.html#MetadataNamespaces OAI-PMH supports the dissemination of records in multiple metadata formats from a repository. Th</p>
<p>N</p>	<p>O</p> <p>Page: OA-Statistik The ease of access experienced with Open Access publications lacking any need for authentication, financial transactions or personal identification makes it much easier to achieve a satisfying level of reception in a scientific community. This and similar</p> <p>Page: OAI Response with a DIDL document The DIDL document is part of an OAI-PMH response. The DIDL document will be returned within an OAI-record when using didl as value of the metadataPrefix verb. This enables the repository to generate this particular DIDL format that is described in the doc</p> <p>Page: Outline - DRIVER Guidelines Summary The following outline summarises the basic DRIVER settings for the basic topics textual resources, metadata usage and OAI-PMH protocol implementation. The elaborated details can be found in the following chapters. PART A - Textual Resources mandatory The</p>

P

- Page: [PIRUS Publisher and Institutional Repository Usage Statistics](#)
The aim of this project is to develop COUNTER-compliant usage reports at the individual article level that can be implemented by any entity (publisher, aggregator, IR, etc.,) that hosts online journal articles and will enable the usage of research outputs
- Page: [Prefix & namespace declaration](#)
See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#Record> [http://www.openarchives.org/OAI/openarchivesprotocol.html#Record+ namespace](http://www.openarchives.org/OAI/openarchivesprotocol.html#Record+namespace) declarations - the declarations of the namespaces used within the metadata part, each of which is prefixed with
- Page: [Preliminary results of the project OA-Statistik](#)
Goals of OA-Statistics We aim to produce valid and reliable document usage statistics based solely on information gathered from the HTTP layer. There are two main issues addressed by all existing standards which generate the bulk of the necessary correcti
- Page: [Presentations](#)
<div style="width:425px;text-align:left" id="__ss_2236829"><a style="font:14px Helvetica,Arial,Sans-serif;display:block;margin:12px 0 3px 0;text-decoration:underline;" href="http://www.slideshare.net/maurice.vanderfeesten/2009-10-20-ghent-driver-guideline
- Page: [Publication type vocabulary](#)
The Publication type vocabulary listed below has a deep history from within the European repository community. It is a combination of the types DARE uses from DC guidelines, types listed in the DINI certificate and the e-Prints publication types Vocabular
- Page: [Publisher](#)
Element name Publisher DCMI definition An entity responsible for making the resource available. Examples of a Publisher include a person, an organization, or a service. Typically, the name of a Publisher should be used to indicate the entity. Usage Mandat

Q

R

- Page: [Relation](#)
Element name Relation DCMI definition The reference to a related resource. Usage Optional Usage instruction Recommended best practice is to reference the resource by means of a string or number conforming to a formal identification system. The DC element
- Page: [Resumption token](#)
See: <http://www.openarchives.org/OAI/openarchivesprotocol.html#Idempotency> <http://www.openarchives.org/OAI/openarchivesprotocol.html#Idempotency> Repositories that implement resumptionTokens must do so in a manner that allows harvesters to resume a sequenc
- Page: [Rights](#)
Element name Rights DCMI definition Information about rights held in and over the resource. Usage Recommended Usage instruction Typically, a Rights element will contain a rights management statement for the access or use of the object, or reference a serv

S

- Page: [Set Location](#)
The DRIVER set and the other sets can be located at a different locations/baseURLs.
- Page: [Source](#)
<http://dublincore.org/documents/dc-citation-guidelines/> <http://dublincore.org/documents/dc-citation-guidelines/> Element name Source DCMI definition A reference to a resource from which the present resource is derived. Usage Optional Usage instruction The
- Page: [Subject](#)
Element name Subject DCMI definition The topic of the resource. Typically, a Subject will be expressed as keywords, key phrases or classification codes that describe the intellectual content of the resource. Usage Mandatory when applicable Usage instructi
- Page: [Subject classification](#)
Metadata delivered via OAI-PMH contain a broad range of subject headings and classification information. The used classification and subject heading systems and the presentation formats vary broadly. In most cases this information appears in simple dc for

T

Page: [The Elements full description](#)

Below full descriptions of the elements are provided. DCMl definitions come from the DCMl guidelines document "Using Dublin Core - The Elements" see <http://dublincore.org/documents/usageguide/elements.shtml> <http://dublincore.org/documents/usageguide/elements.shtml>

Page: [The Elements short description](#)

Within DRIVER the use of elements is either: mandatory (M) = the element must always be present in the metadata record. An empty element is not allowed. mandatory when applicable (MA) = when the element can be obtained it must be present in the metadata r

Page: [Title](#)

Element name Title DCMl definition A name given to the resource. Typically, a Title will be a name by which the resource is formally known. Usage Mandatory Usage instruction Preserve the original wording, order and spelling of the resource title. Only cap

Page: [Type](#)

Element name Type DCMl definition The type of scientific output the resource is a manifestation of. In the DC element type the kind of dissemination, or the intellectual and/or content type of the resource is described. It is used to explain to the user w

U

Page: [Use of Best Practices for OAI_DC](#)

This chapter deals with common problems that repository administrators come across when installing a repository. These practices are not mandatory, but form the best possible solution to common problems. These solutions come from best practices from other

Page: [Use of Metadata OAI_DC](#)

This chapter describes the way DRIVER envisions interoperability for scholarly communication. This means qualitative correct metadata of the records based on the use of standards. Acknowledgements This document is largely based on the recommendations for

Page: [Use of MPEG-21 DIDL \(xml-container\) - Compound object wrapping](#)

Introduction and Goal This document is an addition to the existing DIDL specification document for repositories which is being used by the Dutch Universities, Koninklijke Bibliotheek, National Library of The Netherlands, and NARCIS. The goal of this docum

Page: [Use of OAI-PMH](#)

Introduction This chapter explains how to use OAI-PMH in a way so that repositories and service providers can seamlessly work together by creating interoperability on a protocol level. Remark: The examples used for DIDL; do NOT use them literally! For the

Page: [Use of OAI_DC with Theses](#)

This recommendation is based on the study report "A PORTAL FOR DOCTORAL E-THESES IN EUROPE; Lessons Learned from a Demonstrator Project http://igitur-archive.library.uu.nl/DARLIN/2007-0803-222337/ETD_LessonsLearned_Full-Report%2bAnnex.pdf" This study is a

Page: [Use of Vocabularies and Semantics](#)

V

Page: [Version vocabulary](#)

This section is about the versions that describe the status of the document. We have introduced version information to make it possible to describe the Publication type without mixing the terms with version or status information. For example, the term "Pe

W

Page: [What's New](#)

This section provides information about what has changed compared to the DRIVER guidelines v1.0. The reason to change several parts was because of the questions that came in. Most of the changes are enhancements and improved explanations rather than real

Page: [What's New in Annex Use of Intellectual Property Rights \(IPR\)](#)

See: Use of Intellectual Property Rights (IPR) page for a starting document. This addresses an important issue on Usage Rights and Deposit Rights. In practice this must be implemented. The DRIVER Guidelines should tell something on how Usage Rights and Ac

Page: [What's New in Annex Use of Persistent Identifiers](#)

See Annex: Use of Persistent Identifiers page for a starting document. Persistent Identifiers for web resources are needed to create a stable and reliable infrastructure. This does not concern technicalities, but mainly agreements on an organisational lev

Page: [What's New in Annex Use of Quality labels](#)

See Annex: Use of Quality Labels page for a starting document. The DRIVER Guidelines 2.0 provides basic information on the importance of Quality, and Interoperability. Quality labels can be used to assure stable and reliable repositories that last longer

Page: [What's New in Annex Use of Usage Statistics Exchange](#)

See Annex: Use of Usage Statistics Exchange page for a starting document. In order to see the value of Open Access and offer extra services to your authors, repositories should think about aggregating usage statistics. Two projects will gain insights and h

Page: [What's New in Use of Best Practices for OAI_DC](#)

DRIVER-TYPE Mappings Explanation: how to map [x] Local categories to [y] DRIVER categories. See: DRIVER-TYPE Mappings page. DRIVER-VERSION Mappings Explanation: how to use the different status/versions of Publication and to map [x] Local categories to [y]

Page: [What's New in Use of Compound Object Wrapping](#)

Several major important changes have been made Wrong DIDL schema location, validation not possible Modify reference of info:eu-repo namespace Modifications are also put in the example Changes to meet future transport of Author Identifiers Add namespace an

Page: [What's New in Use of Metadata OAI_DC](#)

Identifier How to handle other identifiers that are in the repository. Are OAI identifiers allowed? Where should the identifier point to? How should they be exposed? Explanation The Identification of a resource has been broadened. The repository can use a

Page: [What's New in Use of OAI-PMH](#)

DRIVER Set naming Added information to answer questions about "Recommended Set names for "Open Access" and "Embargoed/Delayed Access" subcollections - See DRIVER Set naming page. Explanation: Recommended for hybrid repositories with a mixture of metadata-

Page: [What's New in Use of Vocabularies and Semantics](#)

Two vocabularies have been made to de-ambiguify the concepts and terms used in scholarly communication in Europe. Several more issues therefore have been solved: Document type : Preprint and Postprint versioning Document type: What is the difference betwe

X

Page: [XML validation](#)

The XML that the repository provides will be validated automatically during the DRIVER repository registration process and the DRIVER harvesting process. A DRIVER repository must provide a valid XML according to all XML schemas used (OAI-PMH, DIDL, oai-dc

Y

Z

!@#\$

