

Deliverable



Grant Agreement number: 288945
Project acronym: MEDOANET
Project title: Mediterranean Open Access Network
Funding Scheme: Coordination Support Action

**Project co-ordinator
Organisation:** EKT/NHRF

E-mail: tsoukala@ekt.gr

Project website address: www.medoanet.eu

Deliverable No.	4.2
Deliverable Name	Project Platform, Open Access Tracker
Lead Beneficiary	CASPUR
Dissemination Level	PU
Due Date	M9 – August 2012

Project Platform, Open Access Tracker

© 2012 MEDOANET

All rights reserved.

Reproduction only with written consent by the coordinator.

MEDOANET is an FP7 project funded by the EUROPEAN COMMISSION

This publication reflects only the author's views – the Community is not liable for any use that may be made of the information contained therein.



Document Change Control

Version Number	Date of Issue	Author(s)	Brief Description of Change
1.0	21/12/2012	Paola Gargiulo / Ilaria Fava	Final Draft

General description of the Open Access Tracker

One of MEDOANET's goals is to identify and map existing Open Access strategies, structures and policies in the six countries of the Mediterranean area. The information originates from already existing published information and is enriched with the results of surveys conducted by partners in the first part of the project. Its final goal is to identify and strengthen collective efforts and synergies in each country with reference to National-level initiatives, public funders' policies, university and research-centre policies and mandates, Open Access Journals, Open Access publishers, and so on.

The aim of the Tracker is:

- to provide an online tool for the systematic online one-stop-shop presentation of information relating to Open Access, and which is recorded in various disparate venues, as well as to host the results of the surveys performed by MedOANet
- to provide a lasting tool for continuous tracking and recording of the Open Access activities in Mediterranean Europe in the future in such a way that data may be derived for purposes of studying and policy-making, and which will provide a historical continuity of the developments through time. As such, it is envisioned that the Tracker will complement the annual reports on OA in South Europe and provide storage to important data produced from these reports.
- to provide a tool that is initially fed from and will then "feed" information to existing major sites tracking Open Access at the European and international level. The goal is to maintain an accurate representation of activities in the Mediterranean area, which is not currently always the case for those existing services.

The Mediterranean Open Access Tracker is an online database that is fed with descriptive and numerical data relating to OA resulting from various type of National sources, from the project surveys (on Research Performing Institutions, Publishers, and Research Funders performed by the MedOANet project at the beginning of Summer 2012), and from the harvesting of the above mentioned International registries. Thanks to the Tracker, the existing information currently dispersed in various reports and directories is gathered in one place offering an updated picture of the state of the art of Open Access in the six countries, and a tool to be used by National and European policy-makers and other stakeholders to implement OA action and support Open Access advocacy.

It is envisioned that the Mediterranean Open Access Tracker will gradually turn into an observatory for OA in the Mediterranean countries, a live database which will continuously be fed with new material by authorized users. Contribution to the Tracker will be open to anyone through a suggestion form. Proposals are going to be moderated by partners: they will be responsible for take care of proposals related to their countries.

The Mediterranean Open Access Tracker is hosted by the coordinator for the duration of the project and afterwards, and thus the EKT undertakes the responsibility to technically maintain the Mediterranean Open Access Tracker, assuring the sustainability of the Tracker. From the point of view of the contents of the Tracker, project partners undertake the responsibility to periodically feed the Tracker beyond the extension of the project and encourage community generated information by qualified and authorized individuals to be directly placed into the Tracker. Mediterranean project partners also undertake the responsibility to do the same for their countries.

The Mediterranean Open Access Tracker is developed by CINECA (ex CASPUR) in WP4 (Task 4.2) and is hosted by the EKT, along with the project platform. The structure of the Tracker, the criteria for recording data, and metadata structure have been developed by the task leader of the mapping (EKT) and CINECA.

Prior to the tracker development, a preliminary work was carried out in order to identify and map the main OA directories. The identified sources are well-known international registries and databases, such as

- OpenDOAR <http://opendoar.org/>
- SHERPA/RoMEO <http://www.sherpa.ac.uk/romeo/>
- SHERPA/Juliet <http://www.sherpa.ac.uk/juliet/>
- DOAJ <http://www.doaj.org/>
- ROARMAP <http://roarmap.eprints.org/>

EKT and CINECA collected all metadata from the different sources, identified the relevant ones and enriched them with some administrative fields for the OA Tracker data management, in order to complete and improve the overall metadata quality.

Functions of the Mediterranean Open Access Tracker

Mediterranean Open Access Tracker is an online expandable and interoperable database which provides access to the following categories of information for each of the six Mediterranean countries involved in the project:

- Funders' policies (institutional, national funders, national laws including OA)
- University and research institution mandates
- List of Repositories
- Publishers' copyright and accessibility policies per country
- List of OA journals (from the OA reports in South Europe it is clear that most of the countries are underrepresented in DOAJ).

Subsequent to the initial uploading of information into the Tracker from selected sources, each Mediterranean partner was given the credentials to update records in the Tracker database; the Tracker is going to be updated at regular intervals during the project by manual and automatic procedures.

The Tracker structure is as follows: a Tracker home page (<http://www.medoanet.eu/open-access-Tracker-information>) with information on the Tracker and the option of Browse or Search functionalities.

The Browsing feature can be used to scan all items by country or to obtain a synoptic picture of all six countries by a specific category (e.g. repositories). Once a country is selected, a short informative page sensitive to the context is displayed. Each Country page comprises a per country presentation in English and in the country language.

France Greece Italy Portugal Spain Turkey All Countries

All OA Journals Repository Publishers' Copyright Institutional Policy Funders' Policy



In Greece Open Access to research has been enabled mainly through EU and national funding for digitization projects during the last decade. The last five years have witnessed the development of institutional repositories and open access journals. Today, approximately half of the Greek universities run repositories. Lately, alongside the development of infrastructures, coordinated action is being taken for the implementation of such open access policies amongst research performers and research funders that will secure the practice of open access, especially to publicly funded research. MedOANet facilitates the implementation of these policies at the national level.

Important online resources for open access in Greece:

- <http://www.openaccess.gr>
- <http://www.openarchives.gr>
- <http://www.epset.gr/en>

Charts per single Country || Charts per All Countries ||
Record Subjects per Country

Search function allows to perform a simple search by typing one or more keywords in the search box, or to search the Tracker content combining search keywords and refining filters (Country and type of resource).

Search

Enter Keywords*:

Enter one or more keywords (e.g. city names, subjects, institution names) in the box to search through all documents; you can choose one or more countries and one or more types to refine your search. Please note that the search field must be filled in to perform the search.

REFINE SEARCH

Only in the category(s):

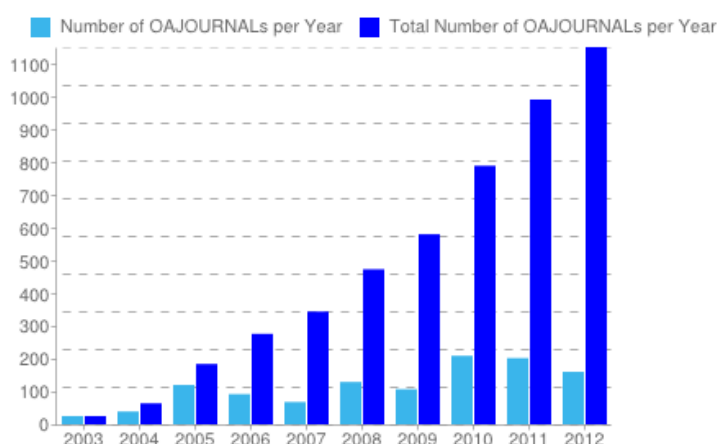
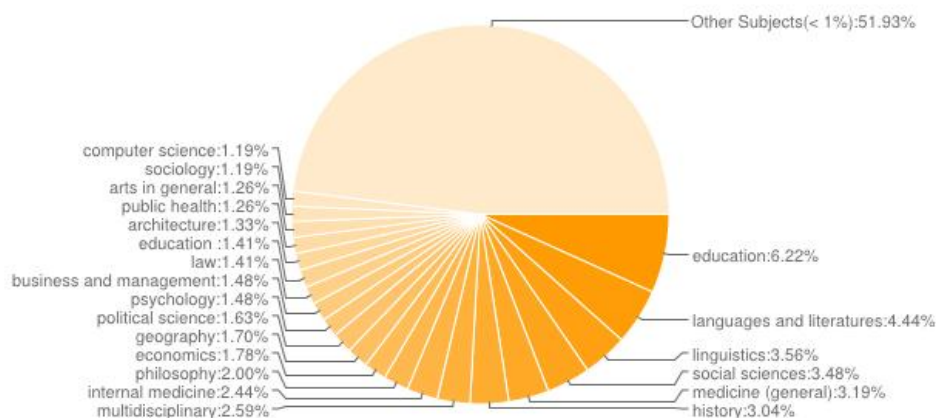
Country

- France
- Greece
- Italy
- Portugal
- Spain
- Turkey

Only of the type(s):

- Funders Policies
- Institutional Policy
- OA journal
- Publisher Copyright Policies
- Repository

Data collected in the Tracker can be presented in a graphic way, too, displaying resources overall and per country yearly growth. Moreover, subject distribution of journals and repositories is shown as well.



Possible developments are related to

- data export to International repertoires, in order to maintain the OA Tracker as the authoritative source for information on Open Access in Southern Europe.
- data import from local registries (CINECA is looking into sources such as DULCINEA, a registry on publishers' copyright policies that is more exhaustive than SHERPA/RoMEO for Spanish records)

Technical Implementation of the Mediterranean Open Access Tracker

The Project Platform, that serves for the communication between project partners, for storage of project outcomes, for the online promotion of the work of the consortium, conferences etc., contains the Mediterranean Open Access Tracker as well. In the Tracker database Open Access activities of the six partner countries are collected. CINECA used the open source CMS Drupal (v. 6.24) in order to develop both the project website and the OA Tracker, as this tool could help to manage heterogeneous types of content, flexible layout, different types of account and permission.

The core part of the platform is represented by a registry structure, which is the data core of the Open Access Tracker. This registry can be browsed at a country level (geographical and data types browsing) and results can then be refined by Year and/or Institution/Publisher.

In this registry all information pertaining to National-level initiatives, public funders' policies, university and research-center policies and mandates with regard to Open Access and Repositories, Open Access Journals, Open access publishers, are stored and accessible through a *general* (All countries) and *country specific* data structure.

Countries represented in the Tracker are the following:

- France
- Greece
- Italy
- Spain
- Portugal
- Turkey

Structured Data collected are:

- Funders' policies (from SHERPA/Juliet)
- University and research institutions mandates (from ROARMAP)
- List of Repositories (from OpenDOAR)
- Publishers' copyright and accessibility policies per country (from SHERPA/RoMEO)
- List of OA journals (from DOAJ)

The type of data accessible in the Tracker can grow and change according to partners suggestions and needs.

Feed Contents

A fundamental feature of the OA Tracker module is represented by a *content feeder*. Contents should comply to the standard structure created for each type of the structured Data: there will be a form for each metadata structure.

Contents are fed into the Tracker mainly in two ways:

- automatically ingested from other registries (SHERPA/ROMEO, SHERPA/JULIET, ROAR, DOAJ). This solution will be used mainly in the startup phase of the project.
- manually imported by registered users, who will be required to fill in a form according to the metadata structure of the data (Journal, Dataset, etc.) they are submitting.

Tracker editors have a set of permissions that allow them to:

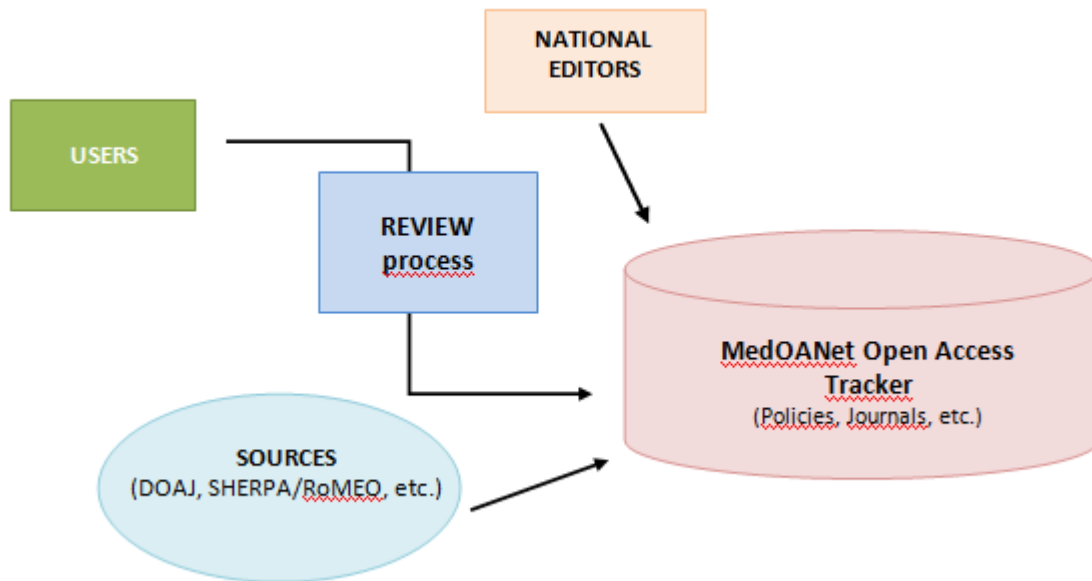
- add new contents related to their countries
- review contents proposed by external users
- update and manage contents related to their countries

The initial import procedure presented some difficulties due to different data formats, that needed to be mapped and normalized in order to be imported in the Tracker database (see Annex A). The most problematic sources were

- SHERPA/Juliet, which data needed to be imported manually (however, since the CRC at the University of Nottingham released an API for Juliet, the IT team will develop an ad hoc importer to make profit of the API); and
- SHERPA/RoMEO, due to the richness of its data. Only publishers' policies are available via the API, but not the list of related journals published. CINECA received from CRC the list of journals in SHERPA/RoMEO, and linked this list manually to journals publishers.

The import procedure is performed on a monthly basis. National editors (represented by each Mediterranean partners) are notified of any changes to the records in the Tracker.

In the following picture the logical structure of data feeding process into Open Access Tracker database is presented.

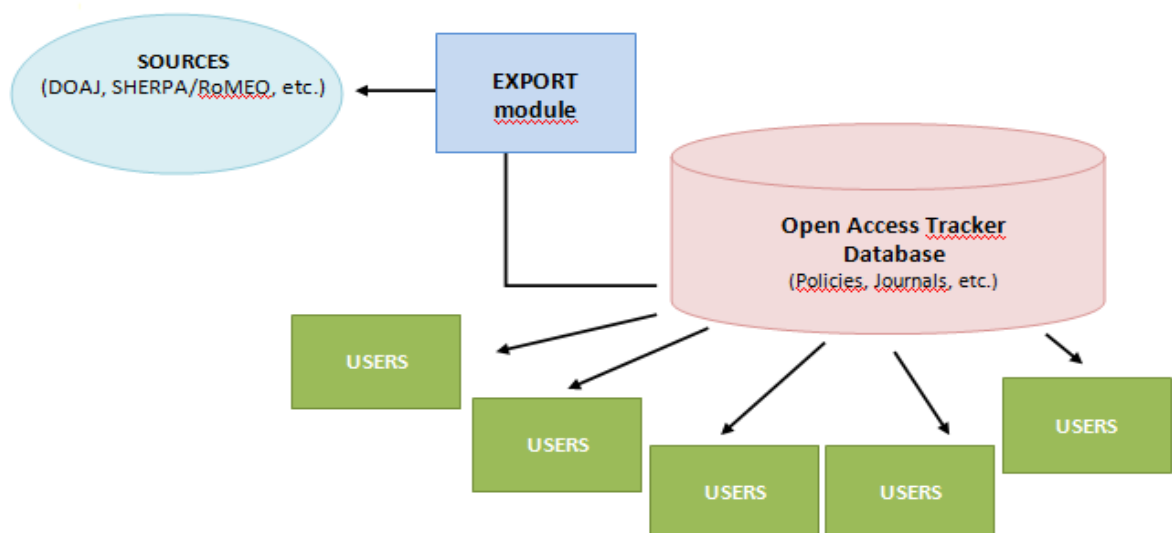


Export

The export facility is a fundamental function of the OA Tracker to be developed. Data will be exposed by:

- Feed Rss/Atom
- OAI-PMH
- Open interface XML based (*web-service oriented*)

The following image explains the logical schema of the export feature.



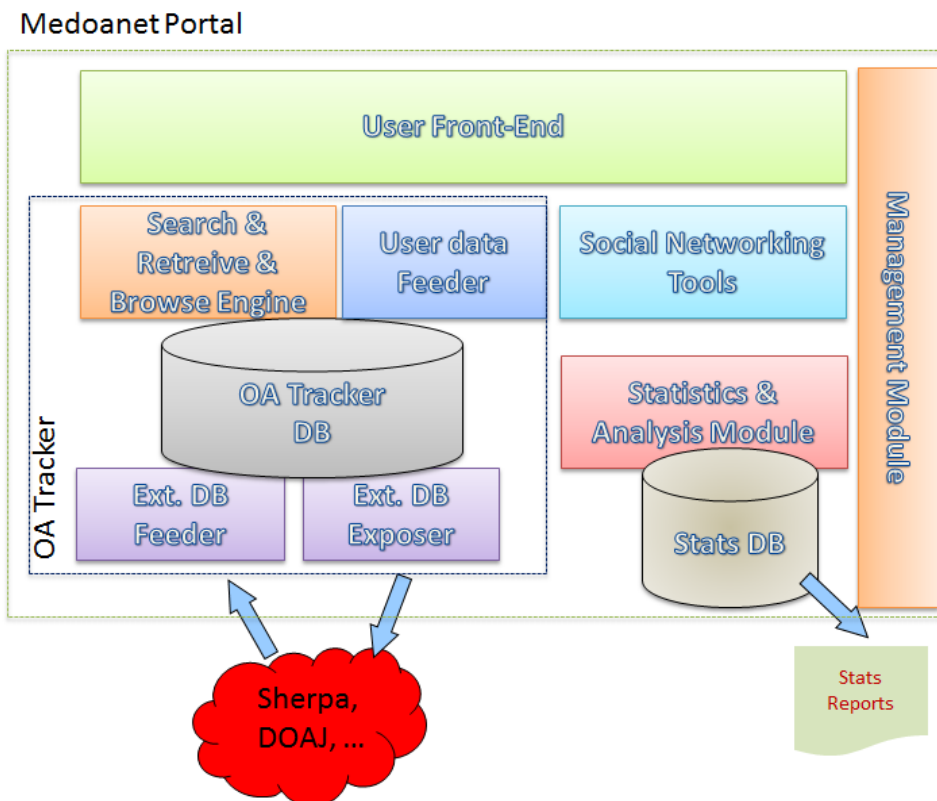
Statistics

The Tracker stores the submission date of each type of structured data (both automatically and manually imported), so that the incremental rate of every country or for every data type or the entire registry can be displayed by charts and figures.

Google Analytics is available both on the website and on the Tracker to provide information on website access counts, origin of visitors, page viewed, and so on.

Portal Block Schema

The general block schema of Medoanet Portal can be summarized in the following picture, where main elements and the OA Tracker are shown.



Annex A

The following tables present the metadata mapping of the sources to be harvested from the Open Access Tracker. Each source differs from the others, so all metadata had to be normalized into a single form.

Type REPOSITORY – source OPENDOAR http://www.opendoar.org/					
METADATA FILE EXCEL	TAG XML/CSV	DRUPAL FIELD	auto matic	multi ple	mand atory
Repository ID	AttributorID tag <repository>	field_repoID (Repository ID)[Integer]	X		X
Repository Acronym	<rAcronym>	field_repoacronym (Repository Acronym) [Text]	X		
Name	<rName>	field_title (Title) [Text]	X		X
Country	<Country> <cIsoCode/>Country ISO code</cIsoCode> <cCountry>Country Name</cCountry> </Country>	field_country (Country) [Select List Text] La label e la chiavesono "Italy, France"	X		X
Repository URL	<rURL>	field_repositoryurl (Repository URL) [Link]	X		X
Base URL	<rOaiBaseUrl>	field_baseurl (Base URL) [Link]	X		
Institution	<oName>	field_institution (Institution) [Text]	X		X
Institution URL	<oUrl>	field_institutionurl (Institution URL) [Text]	X		
Department Name	<uName>	field_department (Department) [Text]	X		X
Department URL	<uUrl>	field_departmentnurl (Department URL) [Text]	X		
Description	<rDescription>	field_description	X		
Type of Institution	-----	field_institutiontype (Type of Institution) [Select List Text]		X	
Repository Type	<RepositoryType>	field_repositorytype (Repository Type) [Select LIST Text]	X		
Repository Policy	<Policies> <Policy> <Item> </item> </Policy> </Policies>				

Software	<rSoftWareName>	field_software (Software)[Text]	X		
Software Version	<rSoftWareVersion>	field_softwareversion	X		
Size	<rNumOfItems>	field_size (Size) [Text]	X		
Subjects	"clTitle" . <classes> <class> <clCode>xxx</clCode> <clTitle>History</clTitle> </class> </classes>	field_subject (Subject) [TEXT]	X	X	
Content	Type of content, ctID is the ID of the types of content in OpenDOAR <contentTypeID="# #">	field_content (Content) [Select List TEXT]	X	X	
Type of Format	-----	field_formattype(Type of Format) [TEXT]		X	
Language of repository Interface	<Languages> <Language> <IsoCode/>Language ISO code</IsoCode> <IName>NOME Language</IName> </Language> </Languages>	field_language (Language) [TEXT]	X	X	
Language of Content	----	field_languagecontent (Language of Content) [TEXT]		X	
Metadata	---	field_metadata (Metadata) [TEXT]		X	
Classification Systems	---	field_classificationsystem(Classification Systems) [TEXT]		X	
Contact Person Name	<Contacts> <person> <pname>XXXX</pname> <pJobTitle> <pEmail> </person> </Contacts>	field_contactname (Contact Name) [TEXT] in the same field for each person: Name: Job Title: Email:	X	X	
Contact Person Email	<Contacts> <person> <pemail>XXXX</pemail> </person> </Contacts>	field_contactemail (Contact Email)[EMAIL]	X	X	

Note Field	----	field_notes (Notes) [TEXTAREA]			
Latitude	<paLatitude>	field_latitude (Latitude) [TEXT]	X		
Longitude	<paLongitude>	field_longitude (Longitude) [TEXT]	X		
Date Of Creation	<rYearEstablished>	field_datecreation (Date Of Creation) [Date] YYYY	X		
Last Modified	----	field_lastmodified (Last Modified) [Date]			
Source	Data Source. In the case of batch import, this field is filled in with Source name	field_source (Source) [TEXT]	X	X?	
Date harvested	It serves to calculate the date of record last modification in OpenDOAR in order to alert regional editors <rDateHarvested>	field_dateharvested (last Harvest) [Date] Not visible, admin use	X		

Type Journal – source DOAJ

<http://www.doaj.org/>

METADATA FILE EXCEL	TAG XML/CSV	DRUPAL FIELD	auto matic	multi ple	mand atory
ISSN	Record ID: ISSN	field_issn (ISSN) [TEXT]	X		X
Country	Country	field_country (Country) [Select List Text]	X		X
Subjects	Subject : List separated by “---”	field_subject (Subject) [TEXT]	X	X	
Keywords	Keywords: List separated by “,”	field_keyword (Keywords) [TEXT]	X	X	
Journal Title	Title	field_title (Title) [Text]	X		X
Journal Title History	Not in the file, but it exists on each record on DOAJ	field_journaltitlehistory (Journal Title History) [Text]			
Journal URL URL	Identifier	field_journalurl (Journal URL) [Link]	X		
Publisher Name	Publisher	field_publishername (Publisher Name)[Text]	X		X
Publisher Type	-----	field_publishertype (Publisher Type) [Select List Text]		X	
Journal Evaluation	-----	field_journalevaluation (Journal Evaluation) [Select List Text]			
National Evaluation System	-----	field_nationalevaluationsyste m (National Evaluation System) [Text]			
International Evaluation System	-----	field_internationalevaluations ystem (International Evaluation System) [Text]			
Index In	-----	field_indexin (Index In) [TEXT]		X	
EISSN	EISSN	field_eissn (EISSN) [TEXT]	X		
Language	Language; Listseparated by “,”	field_language (Language) [TEXT]	X	X	
Starting Year	Start Year: format yyyy (es: 2009)	field_startingyear (Starting Year)[Date]	X		
End Year	End Year: format yyyy (es: 2009)	field_endyear (End Year) [Date]	X		
Active	---	field_active (Active) [TEXT] linked to End Year (YES if End Year is empty)			

Licenses	---	field_licenses (Licenses) [TEXT]		X	
Platform	----	field_software (Software) [TEXT]			
Further Information	Further Information	field_notes (Notes) [TEXT]	X		
Date of Creation	Added on date	field_datecreation (Date Of Creation) [Date] YYYY-MM-DD	X		
Last Modified	----	field_lastmodified (Last Modified) [Date]			
Source	Data Source. In the case of batch import, this field is filled in with Source name	field_source (Source) [TEXT]	X	X?	

Type POLICY – source ROARMAP

<http://roarmap.eprints.org/>

<http://roarmap.eprints.org/cgi/exportview/geoname/geoname=5F2=5FES/CSV/geoname=5F2=5FES.csv>

<http://roarmap.eprints.org/cgi/exportview/geoname/geoname=5F2=5FIT/CSV/geoname=5F2=5FIT.csv>

METADATA FILE EXCEL	TAG XML/CSV	DRUPAL FIELD	auto matic	multi ple	mand atory
Item ID	Policy ID	field_policyid (Policy ID) [INTEGER]	X		X
Country	Country	field_country (Country) [Select List Text]	X		X
Institution	INSTITUTION(s) or FUNDER(s)	field_institution (Institution) [Text]	X		X
Institution URL	INSTITUTION(s) or FUNDER(s) URL	field_institutionurl (Institution URL) [LINK]			
Type of Institution	-----	field_institutiontype (Type of Institution) [Select List Text]		X	
Policy URL	MANDATE URL and TEXT (In the CSV file, both information are in the same field)	field_policyurl (Policy URL) [LINK]			
Policy Details	MANDATE URL and TEXT	field_policydetails (Policy Details) [Text]	X		X
Type of Mandate	MANDATE TYPE	field_mandateype (Type of Mandate) [Select List Text]	X	X	
Contact Person	NAME – POSITION	field_contactname (Contact Person) [TEXT]	X		
Additional Information	Additional Information	field_note (Additional Information) [TEXT]	X		
Date Of Creation	-----	field_datecreation (Date Of Creation) [Date]			
Last Modified	----	field_lastmodified (Last Modified) [Date]			
Last Harvest	Last Modified	field_dataharvest (Last Harvest) [TEXT] admin field	X		
Source	Data Source. In the case of batch import, this field is filled in with Source name	field_source (Source) [TEXT]	X	X?	

Type FUNDERS' POLICY – Source SHERPA/Juliet
<http://www.sherpa.ac.uk/juliet/>

METADATA FILE EXCEL	TAG XML/CSV	DRUPAL FIELD	auto matic	multi ple	mand atory
Funder Policy ID	fPersistentID=140	field_funderpolicyid (Funder Policy ID) [INTEGER]			X
FundingOrganisation		field_organisation (Funding Organisation) [TEXT]		X	
Open Access Archiving - Wheter to Archive		field_oaawhether [TEXT]		X	
Open Access Archiving - What to Archive		field_oaawhat [TEXT]		X	
Open Access Archiving - When to Archive		field_oaawhen [TEXT]		X	
Open Access Archiving - Where to Archive		field_oaawhere [TEXT]		X	
Open Access Archiving - Archiving Conditions		field_oaaconditions [TEXT]		X	
Open Access Publishing - Wheter to Publish		field_oapwhether [TEXT]		X	
Open Access Publishing - Where to Publish		field_oapwhere [TEXT]		X	
Open Access Publishing - Publishing Conditions		field_oapconditions [TEXT]		X	
General-General Conditions		field_generalconditions [TEXT]		X	

General- Policy Links		field_generalpolicy [TEXT]		X	
Data Archiving Policy – Wheter to Archive		field_dapwhether [TEXT]		X	
Data Archiving Policy -What to Archive		field_dapwhat [TEXT]		X	
Data Archiving Policy - When to Archive		field_dapwhen [TEXT]		X	
Data Archiving Policy - Where to Archive		field_dapwhere [TEXT]		X	
Data Archiving Policy - General Conditions		field_dapconditions [TEXT]		X	
Data Archiving Policy - Policy Links		field_dappolicy [TEXT]		X	
Type of Funder	---	field_fundertype (Type Of Funder) [TEXT]		X	
Type of Funding	---	field_fundingtype (Type Of Funding) [TEXT]		X	
Country	Country	field_country (Country) [Select List Text]			X
Date Of Creation	-----	field_datecreation (Date Of Creation) [Date]			
Last Modified	-----	field_lastmodified (Last Modified) [Date]			
Source	Data Source. In the case of batch import, this field is filled in with Source name	field_source (Source) [TEXT]	X	X?	

Type PUBLISHERS' COPYRIGHT POLICIES – source SHERPA/ROMEIO
<http://www.sherpa.ac.uk/romeo/>

METADATA FILE EXCEL	TAG XML/CSV	DRUPAL FIELD	auto matic	multi ple	mand atory
PublisherID	ID in <publisher>field	field_publisherid (PublisherID)[INTEGER]	X		X
Country	Country	field_country (Country) [Select List Text]	X		X
Publisher Name	<name>	field_title (Title) [Text]	X		
Publisher URL	<homeurl>	field_publisherurl (Publisher URL) [TEXT]	X		
Romeo Colour	<romeocolour>	field_romeocolour(Romeo Colour) [Select List Text]			
Default Policies		field_defaultpolicies (Default Policies) [TextArea]		X	
Preprints Archiving Policy	<preprints> <prearchiving> </preprints>	field_prearchiving (Preprints Archiving Policy)[TEXT]	X		
Preprints Restrictions	<preprints> <prerestrictions> <prerestriction> </preprints>	field_prerestriction (Preprints Restrictions)[TEXT]	X	X	
Postprints Archiving Policy	<postprints> <postarchiving> </postprints>	field_postarchiving (Postprints Archiving Policy)[TEXT]	X		
Postprints Restrictions	<postprints> <postrestrictions> <postrestriction> </postprints>	field_postrestriction (Postprints Restrictions)[TEXT]	X	X	
PDF Version Archiving Policy	<pdfversion> <pdfarchiving> </pdfversion>	field_pdfarchiving (PDF Version Archiving Policy)[TEXT]	X		
PDF Version Restrictions	<pdfversion> <pdfrestrictions> <pdfrestriction> </pdfversion>	field_pdfrestriction (PDF Version Restrictions)[TEXT]	X	X	
General Conditions	<conditions> <condition> </conditions>	field_conditions (General Conditions) [TEXT]	X	X	
Copyright	<copyrightlinks>	field_copyright (Copyright)	X	X	

	<copyrightlink> <copyrightlinktext> <copyrightlinkurl> </copyrightlink> </copyrightlinks>	[TEXT]			
Journal List [list of published journals]				X	
Date Of Creation	-----	field_datecreation (Date Of Creation) [Date]			
Last Modified	----	field_lastmodified (Last Modified) [Date]			
Last Harvest		field_dataharvest (Last Harvest) [TEXT] admin field	X		
Source	Data Source. In the case of batch import, this field is filled in with Source name	field_source (Source) [TEXT]	X	X?	