

INTELLECTUAL OUTPUT 2

Toolkit 4

Platform refinement & maintenance





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Project	INCLUDE	Coordinating	National Technical University of Athens
Reference:	Project -	:	
	2019-1-IT02-		
	KA201-06322		
	4		
Version &	1-02.08.2022		
Date:	2-31.08.2022		
We acknowled	ge the NationalA	dvisory Boards	hat contributed to the validation process of
this toolkit (<i>Me</i>	mbers of the AB:)



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Include Repository

The INCLUDE repository captures, distributes and preserves digital research learning scenarios (educational folders) produced in the context of the INCLUDE project. The repository is developed using the popular open source software Dspace (v6.3) and it is accessible here. In the INCLUDE repository, the end users can anonymously have access to numerous data sets in various digital formats. Content grows daily as new communities and collections are added to the repository.

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INCLUD	E	Search Includ	de Repository		٩
INCLUDE is a 3-year Erasmus+ European project (2019-2022) school that promotes, besides linguistic and disciplinary compe competences. The mission of INCLUDE project focuses on: Mi physical space, to est strategies for research, to locate, mang team work and collaborative carrying out Creativity and Innova activities to perform in order to achieve the expected outcomes Communities	coordinated by the National Research Council of Italy aimed at tences, also key-competences for lifelong learning suggested b tilliteracy: teachers and students will realize the increasing impre and evaluate data. Communication: encouraging students to ion: urging students to explore their imagination and creative m . "Europeanity": adopting a European perspective in the approar Discover	developing a co / the European (rtance of culture se English and nds. Autonomou thes of the vario	mmunal European framework for Conte Council, with particular reference to the i al and linguistic diversity. Digital Literacy other foreign languages in a functional a us Learning: teaching learners to design us subject areas.	nt and Language Integ digital, personal and s : enabling students to : nd not in a mechanic/: own pathway to proce	rated Learning (CLIL) in secondary cial, clitzenship and cultural awareness conduct research on the web or in scholastic way. Collaboration: promoting ss material and to decide upon which
Choose a community to browse its collections.	Subject	35	Type	Englis	sh level
Educational Folders	Environmental Education/Education		text	(3) 12	
	Visual Arts Education		nresentation	60 B1	
	Information & Communication Tachn		video		0
			imene		0
	Chemistry		inage		9
	Biology		other		
	Design & Technology		educational game	28	
	Domestic Science	12	project	27	
	Language	12	website	26	
	Political & Social Sciences	12	glossary	25	

The digital content is organized around Communities which can correspond to administrative entities such as schools, departments, labs and research centers. The INCLUDE repository the communities are project based (INCLUDE and OLA) Within each community there can be an unlimited number subcommunities and an unlimited number of collections. Each collection may contain an unlimited number of items.



	· · · ·	Home Browse -	Help		1
	IDE				
		Se	arch Include Repository	Q	
Educational Folders	Community home page			Discover Subject	
				History	35
				Environmental Education/Education	22
Issue Data	Author	Title	Cubiost	Visual Arts Education	20
Type	English level	Minimum Age	Subject	Information & Communication Techn	16
				Chemistry	15
Collections in this commun	.			Biology	14
Collections in this commun	ty			Design & Technology	13
Include				Domestic Science	12
				Language	12
OLA					
OLA				Political & Social Sciences	12
OLA				Political & Social Sciences	12 next >
OLA				Political & Social Sciences	12 next >
OLA				Political & Social Sciences Type educational scenario - lesson plan	12 next >



Browse

Browse allows you to go through a list of items in some specified order.

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		Home Browse - Help	Sign on to:
		Communities & Collections	
Please use this identifier to cite or link to this item: http://repository.include-erasmus.eu/jspul/handle/7112/15		Browne Iterns by: Issue Date Author Tide Subject Type English level Minimum Age	٩
Title:	How Eratosthenes calculated the circumference of the Earth		
Authors:	Falagkaras, Aristeidis Kalogerakou, Kleopatra		
Subject:	Mathematics		
ssue Date:	11-Nov-2021		
Publisher:	include		
Description:	The calculation of the circumference of the earth with the metho	of Eratosthenes of Cyrene.	

Browse by Community/Collection takes you through the communities in alphabetical order and allows you to see the subcommunities and collections within each community.

Browse by Title allows you to move through an alphabetical list of all titles of items in repository.

Browse by Author allows you to move through an alphabetical list of all authors of items in repository.

Browse by Subject allows you to move through an alphabetical list of subjects assigned to items in repository.

Browse by Date allows you to move through a list of all items in repository in reverse chronological order.

Browse by Type allows you to move through an alphabetical list of all type of items in repository.

Browse by English Level allows you to move through an alphabetical list of all english levels of items in repository.

Browse by Minimum Age allows you to move through an alphabetical list of all minimum ages of items in repository.





Search Include Repository

Q

3rowsing by Subject

Jump to: DEFGHIJKLMNOPQRSTUVWXYZ
or enter first few letters:
Gol

Order: Ascending V Results/Page 20 V Update

Astronomy	•
Biology	14
Chemistry	15
Civil & Structural Engineering	3
Design & Technology	13
Domestic Science	12
Drama/Theater in Education (DiE/TiE)	2
Electrical Engineering	6
Electronics & Automation	2



Search

To search through all of the INCLUDE repository, use the search box at the top of the search box in the middle of every page.

		Home Browse -	- Help		L Sig
N	CLUDE		Search Include Repository	٩	
Results 1-10 of 13	33 (Search time: 0.002 seconds).		previous 1 2 3 4 14 next	Subject	
ssue Title		Author(s)		History	35
021- How Eratos	sthenes calculated the circumference of the Earth	Falaqkaras, Ariste	eidis: Kalogerakou, Kleopatra	Environmental Education/Education	22
1-11				Visual Arts Education	20
021- Stories in T 0-22	Time and Space : The case of Kepler 452 b and the Pythagorean Theorem.	Falagkaras, Ariste	eidis; Kalogerakou, Kleopatra	Information & Communication Techn	16
021- Creative Co	commons – Some rights reserved	Sofia, Mougiakou		Chemistry	15
)-22				Biology	14
)19- Consumer)	Bahaviour	Lountzi, Maria; Ka	alogerakou, Kleopatra	Design & Technology	13
021- M.C.Esche	er's paintings and the mathematical concept of symmetry.	Falagkaras, Ariste	eidis; Kalogerakou, Kleopatra	Domestic Science	12
021- Stem and le	leaf plots, Histograms,	Falaqkaras, Ariste	eidis	Language	12
-09				Political & Social Sciences	12
020 The History	y of our European Education from the Ancient Roman to Barbarian Education and present days	De Falco, Nancy			next >
020 ECOHOUS	SE	Menna, Carmela			
020 Ecological	footprint	Menna, Carmela		Туре	
020 Agenda 20	030: what can we do?	Menna, Carmela		educational scenario - lesson plan	109
				text	85
				presentation	68
				video	61

INCLUDE repository uses the **Solr** search engine. Here are some search hints:

What is searched in the general keyword search

The word(s) you enter in the search box will be searched against the title, author, subject abstract, series, sponsor and identifier fields of each item's record.

The repository is enabled for full-text searching, so the text you entered will also be searched against the full text of all archived documents.

What is not searched - Stop Words

The search engine ignores certain words that occur frequently in English, but do not add value to the search. These are:

```
"a", "and" , "are" , "as" , "at" , "be" , "but" , "by" , "for" , "if" , "in" , "into",
"is" ,"it" ,"no" , "not" , "of" , "on" , "or" , "such", "the" , "to" , "was"
```

Truncation

Use an asterisk (*) after a word stem to get all hits having words starting with that root, for example:



Stemming

The search engine automatically expands words with common endings to include plurals, past tenses ... etc.

Phrase Searching

To search using multiple words as a phrase, put quotation marks (") around the phrase.

"organizational change"

Exact word match

Put a plus (+) sign before a word if it MUST appear in the search result. For instance, in the following search the word "training" is optional, but the word "dog" must be in the result.

+dog training

Eliminate items with unwanted words

Put a minus (-) sign before a word if it should not appear in the search results. Alternatively, you can use **NOT**. This can limit your search to eliminate unwanted hits. For instance, in the search

training -cat

or

training NOT cat

you will get items containing the word "training", except those that also contain the word "cat".

Boolean searching

The following Boolean operators can be used to combine terms. Note that they must be CAPITALIZED !

AND - to limit searches to find items containing all words or phrases combined with this operator, e.g.

cats AND dogs

will retrieve all items that contain BOTH the words

"cats" and "dogs".

OR - to enlarge searches to find items containing any of the words or phrases surrounding this operator





will retrieve all items that contain EITHER the words

"cats" or "dogs".

NOT - to exclude items containing the word following this operator, e.g.

training NOT cat

will retrieve all items that contain the word "training" EXCEPT those also containing the word "cat".

Parentheses can be used in the search query to group search terms into sets, and operators can then be applied to the whole set, e.g.



My Space - Submission

You may sign on to the system if you:

- wish to go to the "My Space" page that tracks your subscriptions and other interactions with repository requiring authorization (if you are a submitter for a collection, for instance.)
- wish to edit your profile

The three main actions that a logged in user has are:

- **Submit** is the repository function that enables users to add an item to the platform. The process of submission includes filling out information about the item on a metadata form and uploading the file(s) comprising the digital item. Each community sets its own submission policy.
- My Space is a personal page that is maintained for each member. This
 page can contain a list of items that are in the submission process for a
 particular member, or a task list of items that need attention such as
 editing, reviewing, or checking. In the future this page will also maintain
 information about personal services offered by repository.
- Edit Profile allows you to change your password.



Sign on to INCLUDE repository

When you access an area of the repository that requires authorization, the system will require you to log in. All users can register to become subscribers. Some restricted functions, such as content submission, require authorization from the community

You will need to enter your e-mail address and password in the log-in form that appears. Your e-mail address should include your username and domain name. It is not case sensitive.

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se enter your e-mail address and password into the form below.						
	E-mail Address:					
	Password:					
		Log In				
3 you torgotten your password?						

Type your password exactly as you entered it originally. It **is** case sensitive. Be sure to click on the "log in" button to continue.

SUBMIT

Stopping during the Submission Process:

At any point in the submission process you can stop and save your work for a later date by clicking on the "cancel/save" button at the bottom of the page. The data you have already entered will be stored until you come back to the submission, and you will be reminded on your "My Space" page that you have a submission in process. If somehow you accidentally exit from the submit process, you can always resume from your "My Space" page. You can also cancel your submission at any point.

Through the submission process, the submitter can fill in all the metafields through a specifically designed UI, as shown below:



Describe	Describe	Upload	Verify	Complete
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				_
Submit:	Describe	this	Item	3

Please fill in the requested inforr use the mouse each time.	nation about this submission below. In most browsers, you can	use the tab key to move the cur	sor to the next input box or t	outton, to save you having to
Enter the names of the authors/o	reators of this educational folder.			
Creators	Last name, e.g. Smith	First name(s) + "Jr", e.g. Don	ald Jr	+ Add More
Enter the main title of the educal	ional folder.			
1110				
If the educational folder has any	alternative titles, please enter them here.			
Other Titles				+ Add More
Enter appropriate keywords or p	hrases.			
Keywords				+ Add More
Enter any other description or co	mments in this box.			
Description				
			lê.	
Select the subject area for the e	ducational folder. Multiple values can be selected			
Subject	History Mathematics		<u>^</u>	
	Religious Education			
	Modern Greek Literature			
	Madam Const.		۲	
Select the type(s) of content of the	ne educational folder. To select more than one value in the list,	you may have to hold down the	"CTRL" or "Shift" key	
Туре	image drill and practice		A	
	inquiry			
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	educational scenario - lesson plan		*	
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ISCED Classification *	· · · · · · · · · · · · · · · · · · ·		A	
	Early childhood education and care (ESCED 0) Primary education (ISCED 1)			
	Lower secondary education (ISCED 2) Upper secondary education (ISCED 3)			
	Post-secondary non-tertiary education (ISCED 4)		-	
Please give the date of previous	publication or public distribution. You can leave out the day an	d/or month if they aren't applicat	ole.	
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Select the language of the main example, if it is a dataset or an in	content of the educational folder. If the language does not app nace) please select 'N/A'.	ear in the list, please select 'Oth	er'. If the content does not re	ally have a language (for
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Publisher				
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Keyword s in folder files				+ Add More
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Please write down the unit of the	scenario			
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English Language Level			~	
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Theme by

Co-funded by the Erasmus+ Programme of the European Union

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HANDLES

When your item becomes a part of the INCLUDE repository it is assigned a persistent URL. This means that, unlike most URLs, this identifier will not have to be changed when the system migrates to new hardware, or when changes are made to the system. The repository is committed to maintaining the integrity of this identifier so that you can safely use it to refer to your item when citing it in publications or other communications.

My Space

If you are an authorized Repository submitter or supervisor, or if you are a staff member responsible for repository collection or metadata maintenance, you will have a My Space page. Here you will find:

- a list of your in-progress submissions from this list you can resume the submission process where you left off, or you can remove the submission and cancel the item.
- a list of the submissions which you are supervising or collaborating on
- a list of submissions that are awaiting your action (if you have a collection workflow role).
- a link to a list of items that you have submitted and that have already been accepted into the repository.



EDIT PROFILE

This page allows you to change the information we have for you. You must be authenticated with your log-in to change any of your personal information.

Retrieving a learning scenario

The end users can finally access all the published learning scenarios through the search or browsing mechanisms provided by the repository (or even by requesting directly the handle of a learning scenario).

← → C ▲ Not secure repository.ine		> 🌣 🛪 🖪 🔕 Upda			
		Home Browse -	Help		L Sign or
INCL	UDE	S	Search Include Repository		Q
		_			
Please use this identifier to cite or link to this ite	em: http://repository.include-erasmus.eu/jspui/handle/	7112/15			
Title:	How Eratosthenes calculated the circumference of t	the Earth			
Authors:	Falagkaras, Aristeidis Kalogerakou, Kleopatra				
Subject:	Mathematics				
Issue Date:	11-Nov-2021				
Publisher:	include				
Description:	The calculation of the circumference of the earth wit	th the method of Eratosthenes of Cyrene.			
URI:	http://repository.include-erasmus.eu/jspui/handle/71	12/15			
Appears in Collections:	Include				
Files in This Item:					
File	Description		Size	Format	
Eratosthenes_senario.docx	The senario		3.21 MB	Microsoft Word XML	View/Open
Worksheet_3rd Teaching Period.pdf	Worksheet 3rd teaching	I period	577.31 kB	Adobe PDF	View/Open



OAI-PMH - Interoperability

For the purposes of the project an interoperability interface has been designed and developed based on the international repositorial standard for harvesting named OAI-PMH. The Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) is a low-barrier mechanism for repository interoperability. Data Providers are repositories that expose structured metadata via OAI-PMH. Service Providers then make OAI-PMH service requests to harvest that metadata. OAI-PMH is a set of six verbs or services that are invoked within HTTP.

Using this protocol and the developed mechanisms, third party repositories and tools can harvest the digital content produced in the context of INCLUDE repository.

The endpoint for listing the set of the repository can be found here: <u>http://repository.include-erasmus.eu/oai/request?verb=ListSets</u>

The endpoint for the metadata records can be found here: <u>http://repository.include-erasmus.eu/oai/request?verb=ListRecords&metadataPrefix=oai_dc</u>

The endpoint for the existing identifiers can be found here: <u>http://repository.include-erasmus.eu/oai/request?verb=ListIdentifiers&metadataPrefix=oai_dc</u>

Detailed specifications of the OAI-PMH protocol can be found here: <u>https://www.openarchives.org/OAI/openarchivesprotocol.html</u>

