

How to integrate services or data sets into the ELG platform

Dimitris Galanis ("ATHENA" R.C)

23-06-2020 1st Regional ELG Workshop: Switzerland, Austria, Germany – Zürich, Switzerland (virtual workshop) http://www.european-language-grid.eu

ELG platform

- It is a web-based platform and runs at: <u>https://live.european-language-grid.eu</u>
 - A catalogue for resources: LT services, data sets, lexical/conceptual resources, language descriptions
 - Each resource is documented with the required metadata
 - "Published" resources are visible by anyone; i.e. log-in, is not required
- What is required to be a resource provider in ELG
 - Register to the platform
 - ELG admins should assign you the "provider" role (email to <u>contact@european-language-grid.eu</u>)
 - Upload -> Review process ...

Provide a functional LT service

- Currently, ELG supports the integration of tools/services that fall into one of the following broad categories:
 - Information Extraction (IE)
 - Text Classification (TC)
 - Machine Translation (MT)
 - Automatic Speech Recognition (ASR)
 - Text to Speech Generation (TTS)
- Documentation: <u>https://european-language-</u> grid.readthedocs.io/en/release1.0.0/all/RegisterFunc.html

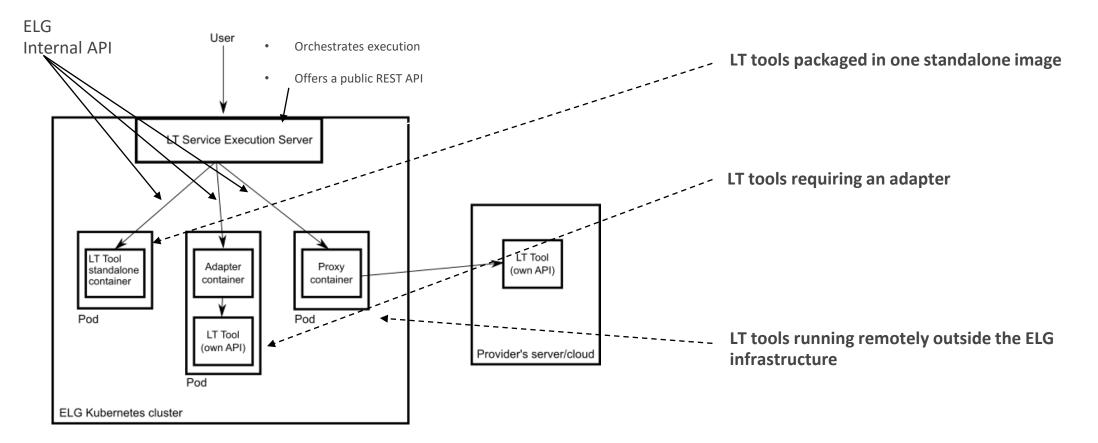
Provide a functional LT service: Technical Requirements

- Expose an ELG compatible endpoint:
- You MUST create an application that exposes an HTTP endpoint for the LT tool(s).
- The application MUST consume requests that follow the ELG JSON format, call the underlying LT tool and produce responses again in the ELG JSON format (ELG LT Internal API)
- E.g. for services that take as input plain text and return annotations (IE).

```
"type":"text",
                                                                                          "response":{
"params":{...}, /* optional */
                                                                                            "type": "annotations",
"content":"The text of the request",
                                                                                            "warnings":[...], /* optional */
// mimeType optional - this is the default if omitted
                                                                                            "features": {...}, /* optional */
"mimeType":"text/plain",
                                                                                            "annotations":{
"features":{ /* arbitrary JSON metadata about this content, optional */ },
                                                                                              "<annotation type>":[
"annotations":{ /* optional */
  "<annotation type>":[
                                                                                                  "start":number,
                                                                                                  "end":number,
      "start":number,
                                                                                                  "features":{ /* arbitrary JSON */ }
      "end":number,
      "features":{ /* arbitrary JSON */ }
```

Provide a functional LT service: Technical Requirements

• **Dockerization**: You MUST Dockerize the application and upload the respective image(s) in a Docker Registry, e.g. GitLab. Three integration options are available.



Describe the LT service according to the ELG metadata schema

 Full metadata record example in XML: <u>https://gitlab.com/european-language-</u> grid/platform/metadatarecords/-/blob/master/R1a/USFD/hosted/annie-named-entity-recognizer.xml

guageResource≻					
<ms:entitytype>Languag</ms:entitytype>	geResource				
<ms:resourcename th="" xml:1<=""><th><pre>lang="en">GATE: English Named Entity Recognizer</pre></th><th>/ms:resourceName></th><th></th><th></th><th></th></ms:resourcename>	<pre>lang="en">GATE: English Named Entity Recognizer</pre>	/ms:resourceName>			
<ms:resourceshortname< th=""><th><pre>xml:lang="en">annie-named-entity-recognizer</pre></th><th>:resourceShortName></th><th></th><th></th><th></th></ms:resourceshortname<>	<pre>xml:lang="en">annie-named-entity-recognizer</pre>	:resourceShortName>			
<ms:description td="" xml:la<=""><td>.ang="en">Identify names of persons<</td><td>/em>, </td><td>locations</td><td>;, organizat</td><td>tions, as well as</td></ms:description>	.ang="en">Identify names of persons<	/em>, 	locations	;, organizat	tions, as well as
<ms:lridentifier ms:lr<="" td=""><td>.RIdentifierScheme="http://w3id.org/meta-share/met</td><td>ta-share/elg">ELG i</td><td>d automatically assi</td><td>igned<td>~></td></td></ms:lridentifier>	.RIdentifierScheme="http://w3id.org/meta-share/met	ta-share/elg">ELG i	d automatically assi	igned <td>~></td>	~>
<ms:version>v8.6<td>version></td><td></td><td></td><td></td><td></td></ms:version>	version>				
<ms:additionalinfo></ms:additionalinfo>					
<ms:landingpag< td=""><td>ge>https://cloud.gate.ac.uk/shopfront/displayIter</td><td>m/annie-named-entit</td><td>y-recognizer<td>ndingPage></td><td></td></td></ms:landingpag<>	ge>https://cloud.gate.ac.uk/shopfront/displayIter	m/annie-named-entit	y-recognizer <td>ndingPage></td> <td></td>	ndingPage>	
<ms:keyword xml:lang="</td><td>en">Named Entity Recognition</ms:keyword>					
<ms:keyword en"="" xml:lang="</td><td>">English</ms:keyword>					
<ms:resourceprovider></ms:resourceprovider>	,]	
<ms:group></ms:group>					
<ms:ac< td=""><td>actorType>Group</td><td></td><td></td><td></td><td></td></ms:ac<>	actorType>Group				
<ms:or< td=""><td>organizationName xml:lang="en">GATE Team, University</td><td>ity of Sheffield<td>s:organizationName></td><td></td><td></td></td></ms:or<>	organizationName xml:lang="en">GATE Team, University	ity of Sheffield <td>s:organizationName></td> <td></td> <td></td>	s:organizationName>		
<ms:we< td=""><td>ebsite>https://gate.ac.uk/</td><td></td><td></td><td></td><td></td></ms:we<>	ebsite>https://gate.ac.uk/				
<pre></pre>	>				
<ms:publicationdate>20</ms:publicationdate>	020-02-25				
<ms:resourcecreator></ms:resourcecreator>					
<ms:person></ms:person>					
<ms:actortype></ms:actortype>	<pre>>Person</pre>				
<ms:surname td="" xm<=""><td>cml:lang=<mark>"en</mark>">Roberts</td></ms:surname>	cml:lang= <mark>"en</mark> ">Roberts				
<ms:givenname< td=""><td><pre>xml:lang="en">Ian</pre></td><td></td><td></td><td></td><td></td></ms:givenname<>	<pre>xml:lang="en">Ian</pre>				
<ms:email>i.ro</ms:email>	oberts@sheffield.ac.uk				
<ms:intendedapplicatio< td=""><td>.on></td><td></td><td></td><td></td><td></td></ms:intendedapplicatio<>	.on>				
	<ms:ltclassrecommended>http://w3id.org/meta-s</ms:ltclassrecommended>	hare/omtd-share/Nam	edEntityRecognition∢	<td>ed></td>	ed>

Describe the LT service according to the ELG metadata schema

<ms:ir< th=""><th>Type>ToolService</th></ms:ir<>	Type>ToolService
<ms:fu< th=""><th>unction></th></ms:fu<>	unction>
	<pre><ms:ltclassrecommended>http://w3id.org/meta-share/omtd-share/NamedEntityRecognition</ms:ltclassrecommended></pre>
<td>unction></td>	unction>
<ms:so< td=""><td>ffwareDistribution></td></ms:so<>	ffwareDistribution>
	<ms:softwaredistributionform>http://w3id.org/meta-share/meta-share/dockerImage</ms:softwaredistributionform>
	actual execution location in cluster will be http://service-srv-annie-ie.elg-srv-dev.svc.cluster.local/process
	<ms:executionlocation>http://localhost:8080/process</ms:executionlocation>
	<pre><ms:dockerdownloadlocation>registry.gitlab.com/european-language-grid/usfd/gate-ie-tools/annie:8.6-0.0.3</ms:dockerdownloadlocation></pre>
	<pre><ms:licenceterms></ms:licenceterms></pre>
	<pre><ms:licencetermsname xml:lang="en">GNU Lesser General Public License v3.0 only</ms:licencetermsname></pre>
	<ms:licencetermsurl>https://spdx.org/licenses/LGPL-3.0-only.html</ms:licencetermsurl>
	<pre><ms:licenceidentifier ms:licenceidentifierscheme="http://w3id.org/meta-share/meta-share/SPDX">LGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLGPL-3.0-onlyLicenceIdentifierScheme="http://w3id.org/meta-share/meta-share/SPDX">LicenceIdentifierScheme="http://w3id.org/meta-share/meta-share/SPDX">LicenceSPDX"</ms:licenceidentifier></pre>
<td>oftwareDistribution></td>	oftwareDistribution>
<ms:la< td=""><td>inguageDependent>true</td></ms:la<>	inguageDependent>true
<ms:in< td=""><td>putContentResource></td></ms:in<>	putContentResource>
	<ms:processingresourcetype>http://w3id.org/meta-share/meta-share/file1</ms:processingresourcetype>
	<ms:language></ms:language>
	<ms:languagetag>en</ms:languagetag> <ms:languageid>en</ms:languageid>
	<ms:mediatype>http://w3id.org/meta-share/meta-share/text</ms:mediatype>
	<ms:dataformat>http://w3id.org/meta-share/omtd-share/Json</ms:dataformat>
	<ms:characterencoding>http://w3id.org/meta-share/meta-share/UTF-8</ms:characterencoding>
<td>nputContentResource></td>	nputContentResource>
<ms:ou< td=""><td>itputResource></td></ms:ou<>	itputResource>
	<ms:processingresourcetype>http://w3id.org/meta-share/meta-share/file1</ms:processingresourcetype>
	<ms:language></ms:language>
	<ms:languagetag>en</ms:languagetag> <ms:languageid>en</ms:languageid>
	<ms:mediatype>http://w3id.org/meta-share/meta-share/text</ms:mediatype>
	<ms:dataformat>http://w3id.org/meta-share/omtd-share/Json</ms:dataformat>
	<ms:characterencoding>http://w3id.org/meta-share/meta-share/UTF-8</ms:characterencoding>
	<pre><!-- annotations: :Address, :Date, :Location, :Organization, :Person, :Money, :Percent, :Token, :SpaceToken, :Sentence--></pre>
	<ms:annotationtype>http://w3id.org/meta-share/omtd-share/Person</ms:annotationtype>
	<ms:annotationtype>http://w3id.org/meta-share/omtd-share/Location</ms:annotationtype>

Describe the LT service according to the ELG metadata schema

	1	
← → C ive.european-language-grid.eu/car	talogue/#/	☆ 🔶 ⊕ 🗗 :
🏢 Εφαρμογές ★ Bookmarks 🔇 New Tab 🔇		🦲 Άλλοι σελιδοδείκτες
EUROPEAN AL LANGUAGE GRID	Administration Upload Technologies Resources Community Events	Dimitris → About ELG Help
Search for services, tools, datasets, organ	izations Search	
Clear all filters (>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	460 search results	
+ Corpus (252) + Tool/Service (161)	2006 CoNLL Shared Task - Ten Languages published	E Corpus
+ Lexical/Conceptual resource (21)+ Language description (7)	2006 CoNLL Shared Task - Ten Languages consists of dependency treebanks in ten languages used as part of the CoNLL 2006 shared task on multi-lingual dependency parsing. The languages covered in this release are: Bulgaria	2 views 2 downloads
Languages + English (304) + Polish (64) + German (54)	Keyword: corpus Languages: Dutch Slovenian Spanish Turkish Portuguese Licences: ELRA-END-USER-COMMERCIAL-NOMEMBER-NONCOMMERCIALUSE-1.0 ELRA-END-USER-COMMERCIAL-MEMBER-NONCOMMERCIALUSE-1.0	
+ French (52) https://live.european-language-grid.eu/catalogue/#/upload		

- Logged-in
- Assigned the "provider"

Test LT service and publish (review process)

- The LT Service is assigned to a "reviewer"
- The LT tool is deployed to the ELG platform
 - The respective YAML files for kubernetes have to be created
- The LT Service is tested by the reviewer and the LT provider ...
- The service is "ingested" not "public"
- Test via UI
- Check container logs ...
- Troubleshoot ...
- Finally it is published to the catalogue

C live.european-language-grid.eu/ca αρμογές t Bookmarks New Tab	talogue/#/search/geolocator						🗣 🚖 🔶 📴
EUROPEAN AL LANGUAGE GRID	Administration	Upload	Technologies	Resources	Community	Events	Dimitris → About ELG Help
geolocator	x	Sear	ch				
Clear all filters 🛞	1. contain consists for scoloonstor						
Language resources & technologies	1 search results for geolocator						
+ Tool/Service (1)							
Languages	geolocator				ingested		😚 Tool/Service
+ English (1)	Social media geolocation predi	ction for a giver	Tweet, or a shor	t text.	^		0 views
	Keywords: Geolocation Social Me	dia Twitter			4		0 times used
Service functions	Language: English Licence: GNU General Public License				L		
		V3.0 ONIY					
+ Text categorization (1)	Livence. GNO General Public Livense						
+ Text categorization (1)	Livence. Givo General Public License						

M Inbax (: 🗙 🔚 Ναδής: 🗙 📑 Απολλ: 🗙 🛛	🔹 Penny 🛛 🗙 🗍	🦊 europ: 🗙 🛛 💡	Artemi 🗙 🖊 ILSP	- 🤆 🗙 🛛 🦓 Fevre: 🗙 🗍	🖸 (2) 🔹 🗙 🚺 😒 !	Skype 🗙 🕴 http	951/ 🗙 📔 Prov	id: 🗙 🛛 😝 Rla/US :	K 🕴 📥 Free Ci 🗙	💧 My Dri 🗙 📘	Dimitri 🗙	🐠 ELG - g 🗙	÷	00	×
← → C	eu/catalogue/#/	resource/service/too	1/628									0 1 ☆	0	I I 🚺	(1)
🔢 Apps ★ Bookmarks 😵 /63 M Inbox-gala	nisd@g 🔢 r	un 🥴 Native Langua	ige Id 🧿 Staff 🖡	🜱 Search results - gal 🧯	🕽 File Finder 🗧 TO	-READ-Personal	🖬 summa 📃	OMTDUserRoles	🕑 New Tab	f Dimitris Galanis	🕄 🦊 ep		1.	Other bookr	1arks
	W.	EUROPEAN LANGUAGE GRID	RELEASE 1	Administra	tion Upload	Technologies	Resources	Community Ev	rents Docume	Dimitris [ntation About E					
	≪] Back to o	atalogue													Į
	Cver	geolocato geoloca Version: v1.0.0 view D	ator	Test/Try out	Code san	iples	c	3 ToolService							
		ext to classify e text													
	SUBI	міт													
ELG uses cookies for functional and analy	ytical purpose	s. Please agree to	our Cookie Policy	. Learn more						Refi	ise Cookies	Allow	v Cookies		

9

Provide a functional LT service: FAQs

- The task of packaging, deploying and registering an LT service to ELG is not "trivial"
- Many questions and several difficulties arise
- FAQs: <u>https://european-language-grid.readthedocs.io/en/release1.0.0/all/RegisterFunc.html#frequently-asked-questions</u>

• E.g.

- Q: How many resources will be allocated for my LT container in the k8s cluster?
- A: By default, 512MB of RAM and half a CPU core....
- Q: What is a k8s namespace and when should an LT Provider ask for one?
- A: A k8s namespace is a virtual sub-cluster, which can be used to restrict access to the respective containers that run within it. You should ask for a dedicated namespace when you need to ensure isolation and security

Provide a data set

- Documentation:
- <u>https://european-language-</u> grid.readthedocs.io/en/release1.0.0/all/RegisterNonFunc.html
- <u>https://european-language-grid.readthedocs.io/en/release1.0.0/all/RegisterCorpus.html</u>
- Steps:
- Register to the platform and ask (by email to contact@european-language-grid.eu) to be granted "provider" permissions;
- Describe your dataset according to the ELG metadata schema -> upload
- Provide access to it (?)

Provide a data set (corpus)

- Corpora are collections of data selected according to specific criteria:
- text corpora: monolingual, bilingual or multilingual collections of texts in a specific domain, e.g. news articles,
- corpora of audio recordings, e.g., lists of sentences recorded by individuals from a specific region with a dialect accent, etc.
- collections of videos, such as interviews with politicians
- corpora combining all of the above

Provide a data set (example)

<pre>(ms:mediaType>http://w3id.org/meta-share/meta-share/text (ms:mediaType>http://w3id.org/meta-share/meta-share/monolingual (ms:languageTag>el</pre>		<ms:corpusmediatype>CorpusTextPart</ms:corpusmediatype>
<pre>(ms:lingualityType>http://w3id.org/meta-share/meta-share/monolingual (ms:language> (ms:languageTapelhttp://w3id.org/meta-share/meta-share/mixed (ms:originalSourceDescription xml:lang="en">keb news (ms:originalSourceDescription) (ms:originalSourceDescription) (ms:originalSourceDescription) (ms:originalSourceDescription) (ms:sizeDistributionForm> (ms:sizeD</pre>		
<pre></pre>		
<pre></pre>		<ms:language></ms:language>
<pre></pre> <pre> </pre> <p< th=""><th></th><th><ms:languagetag>el</ms:languagetag></th></p<>		<ms:languagetag>el</ms:languagetag>
<pre></pre> <pre><</pre>		<ms:languageid>el</ms:languageid>
<pre><ms:originalsourcedescription xml:lang="en">web news</ms:originalsourcedescription> <ms:originalsourcedescription xml:lang="en">EU texts</ms:originalsourcedescription> EU texts <th></th><th></th></pre>		
<pre><ms:originalsourcedescription xml:lang="en">EU texts</ms:originalsourcedescription> :CorpusMediaPart> DatasetDistributionForm>http://w3id.org/meta-share/meta-share/downloadable <ms:accesslocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 <ms:sizedistributionform>http://w3id.org/meta-share/meta-share/T-HPair <ms:sizedistributiontextfeature> http://w3id.org/licenses/CC-BY-4.0.html </ms:sizedistributiontextfeature></ms:sizedistributionform></ms:accesslocation></pre>		<ms:creationmode>http://w3id.org/meta-share/meta-share/mixed</ms:creationmode>
 :CorpusMediaPart> DatasetDistribution> (ms:DatasetDistributionForm>http://w3id.org/meta-share/meta-share/downloadable <ms:accesslocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85<ms:aicetiontextfeature> <ms:sizev <ms:sizev <ms:sizeunit>http://w3id.org/meta-share/meta-share/T-HPair</ms:sizeunit> <ms:dataformat>http://w3id.org/meta-share/omtd-share/Xml</ms:dataformat> CC-BY-4.0 <ms:licencetermsurl>http://spdx.org/licenses/CC-BY-4.0.html</ms:licencetermsurl></ms:sizev </ms:sizev </ms:aicetiontextfeature></ms:accesslocation>		<ms:originalsourcedescription xml:lang="en">web news</ms:originalsourcedescription>
:CorpusMediaPart> DatasetDistribution> <ms:datasetdistributionform>http://w3id.org/meta-share/meta-share/downloadable</ms:datasetdistributionform> <ms:accesslocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85<ms:distributiontextfeature> <ms:size> <ms:size> <ms:size> <ms:sizeunit>http://w3id.org/meta-share/meta-share/T-HPair</ms:sizeunit> </ms:size> <ms:diaformat>http://w3id.org/meta-share/omtd-share/Xml </ms:diaformat></ms:size></ms:size></ms:distributiontextfeature> <ms:licencetermsname xml:lang="en">CC-BY-4.0</ms:licencetermsname> <ms:licencetermsurl>http://spdx.org/licenses/CC-BY-4.0.html</ms:licencetermsurl></ms:accesslocation>		<ms:originalsourcedescription xml:lang="en">EU texts</ms:originalsourcedescription>
DatasetDistribution> (ms:DatasetDistributionForm>http://w3id.org/meta-share/meta-share/downloadable (ms:accessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 (ms:size> (ms:size> (ms:sizeUnit>http://w3id.org/meta-share/meta-share/T-HPair (ms:size> (ms:distributionTextFeature> (ms:distributionTextFeature> (ms:distributionTextFeature> (ms:distributionTextFeature> (ms:distributionTextFeature> (ms:licenceTermsName xml:lang="en">CC-BY-4.0 (ms:licenceTermsURL>http://spdx.org/licenses/CC-BY-4.0.html	<th>orpusTextPart></th>	orpusTextPart>
<pre> http://w3id.org/meta-share/meta-share/downloadable http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 </pre> http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 http://w3id.org/meta-share/meta-share/T-HPair http://w3id.org/meta-share/omtd-share/Xml	:CorpusMedi	iaPart>
<pre></pre> <pre><</pre>	DatasetDist	tribution>
<pre><ms:distributiontextfeature></ms:distributiontextfeature></pre>		
<pre></pre>	<ms:dat< th=""><th>tasetDistributionForm>http://w3id.org/meta-share/meta-share/downloadable</th></ms:dat<>	tasetDistributionForm>http://w3id.org/meta-share/meta-share/downloadable
<pre></pre>		
<pre></pre>	<ms:acc< th=""><th>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</th></ms:acc<>	cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85
<pre> http://w3id.org/meta-share/omtd-share/Xml CC-BY-4.0 https://spdx.org/licenses/CC-BY-4.0.html</pre>	<ms:acc< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
<pre><ms:dataformat>http://w3id.org/meta-share/omtd-share/Xml</ms:dataformat> <ms:licencetermsname xml:lang="en">CC-BY-4.0</ms:licencetermsname> <ms:licencetermsurl>https://spdx.org/licenses/CC-BY-4.0.html</ms:licencetermsurl></pre>	<ms:acc< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 <ms:size></ms:size></pre></th></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85 <ms:size></ms:size></pre>
CC-BY-4.0 https://spdx.org/licenses/CC-BY-4.0.html /ms:licenceTermsURL	<ms:acc< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
CC-BY-4.0 https://spdx.org/licenses/CC-BY-4.0.html /ms:licenceTermsURL	<ms:acc< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
<ms:licencetermsname xml:lang="en">CC-BY-4.0</ms:licencetermsname> <ms:licencetermsurl>https://spdx.org/licenses/CC-BY-4.0.html</ms:licencetermsurl>	<ms:acc< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
<ms:licencetermsurl>https://spdx.org/licenses/CC-BY-4.0.html</ms:licencetermsurl>	<ms:acc< td=""><td><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></td></ms:acc<>	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
	<ms:acc <ms:dis< td=""><td><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></td></ms:dis<></ms:acc 	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
	<ms:acc <ms:dis< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:dis<></ms:acc 	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>
	<ms:acc <ms:dis< th=""><th><pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre></th></ms:dis<></ms:acc 	<pre>cessLocation>http://metashare.ilsp.gr:8080/repository/download/26dca2fe63d211e29b2c842b2b6a04d7db87c85bfbe34326bb4c2e88b8c4da85</pre>

/mcinoncons1DstsTnc1udod\fs1co//mcinoncons1DstsTnc1udod\

Provide a dataset Upload metadata

European Language Grid Catalog 🗙 🕂	and a the fight a defined a second a se	
C ive.european-language-grid.eu/ca	talogue/#/	☆ 🔶 🐵 :
Εφαρμογές ★ Bookmarks 🔇 New Tab 🔇		Αλλοι σελιδοδείκτες
EUROPEAN AU LANGUAGE GRID	PHA Administration Upload Technologies Resources Community E	Dimitris ⋺ Events About ELG Help
Search for services, tools, datasets, organ	nizations Search	
Clear all filters 🛞	460 search results	
+ Corpus (252) + Tool/Service (161)	2006 CoNLL Shared Task - Ten Languages published	Corpus
+ Lexical/Conceptual resource (21)+ Language description (7)	2006 CoNLL Shared Task - Ten Languages consists of dependency treebanks in ten languages used as part of the CoNLL 2006 shared task on multi-lingual dependency parsing. The languages covered in this release are: Bulgaria	2 views 2 downloads
Languages + English (304) + Polish (64) + German (54)	parsing. The languages covered in this release are. Buildana Keyword: corpus Languages: Dutch Slovenian Spanish Turkish Portuguese Licences: ELRA-END-USER-COMMERCIAL-NOMEMBER-NONCOMMERCIALUSE-1.0 ELRA-END-USER-COMMERCIAL-MEMBER-NONCOMMERCIALUSE-1.0	
+ French (52) by://live.european-language-grid.eu/catalogue/#/upload		

The dataset will be checked and published to the catalogue by a reviewer.



Thank you!

The European Language Grid has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement № 825627 (ELG).

23-06-2020 1st Regional ELG Workshop: Switzerland, Austria, Germany – Zürich, Switzerland (virtual workshop) http://www.european-language-grid.eu