

# ELRC Data Reports

|                                          |                                                                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Dissemination Level</b>               | Internal                                                                                                                        |
| <b>Validation Guidelines version No.</b> | 6.2                                                                                                                             |
| <b>Date</b>                              | 30.07.2018                                                                                                                      |
| <b>Name of LR</b>                        | Parallel corpus (Greek - English) in the law domain (Processed) (Part1)                                                         |
| <b>Resource ID</b>                       | 652                                                                                                                             |
| <b>Resource Version No.</b>              | 2.0                                                                                                                             |
| <b>Contact person</b>                    | Prokopis Prokopidis                                                                                                             |
| <b>Validator</b>                         | Vassilis Papavassiliou – ILSP                                                                                                   |
| <b>Validation Manager</b>                | Kanella Pouli – ILSP                                                                                                            |
| <b>Validation status</b>                 | <input type="checkbox"/> Changes required<br><input checked="" type="checkbox"/> Validated<br><input type="checkbox"/> Rejected |

## 1. Validation Report

### Summary sheet

The validation results for this resource are as follows (please refer to the Validation Guidelines for the meaning of the various items):

| Validation steps                                                              | Validated (check box if yes)        | Comments |
|-------------------------------------------------------------------------------|-------------------------------------|----------|
| 1) ELRC scope (see section 1 for details)                                     | <input checked="" type="checkbox"/> |          |
| 2) Quick content check (see section 2 for details)                            | <input checked="" type="checkbox"/> |          |
| 3) LR Metadata (see section 3 for details)                                    | <input checked="" type="checkbox"/> |          |
| 4) Legal issues (see section 4 for details)                                   | <input checked="" type="checkbox"/> |          |
| 5) Content validation (see section 5 for details)                             | <input checked="" type="checkbox"/> |          |
| 6) Declaration on the list of pre-existing rights (see section 6 for details) | <input checked="" type="checkbox"/> |          |

If relevant, for details about the processing of the LR, see section 2 (Processing Report) at the end of this document.

## 1. Compliance with ELRC scope

|                                                                                                                                                         | Validated<br>(check box if yes)     | Comments |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------|
| Data origin (comes from public institutions or relevant to the general administrative/regulatory domain and does not come from the European Commission) | <input checked="" type="checkbox"/> |          |
| Language(s) of the data content <sup>1</sup> (not the documentation)                                                                                    | <input checked="" type="checkbox"/> |          |

## 2. Quick content check

|                                                                                          | Validated<br>(check box if yes)     | Comments |
|------------------------------------------------------------------------------------------|-------------------------------------|----------|
| Readability of files                                                                     | <input checked="" type="checkbox"/> |          |
| Data content acceptability (no empty files, correct alignment for parallel corpora, ...) | <input checked="" type="checkbox"/> |          |

## 3. Validation of LR Metadata

### a. General information

|                                                                                                                                                    | Validated<br>(check box if yes)     | Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------|
| Language used in free text fields are CEF languages                                                                                                | <input checked="" type="checkbox"/> |          |
| Does the "resource name" field contain an English version?                                                                                         | <input checked="" type="checkbox"/> |          |
| Does Language(s) in "description" field contain an English version?                                                                                | <input checked="" type="checkbox"/> |          |
| Is there any information mentioning Pre-processing done by the provider?                                                                           | <input type="checkbox"/>            |          |
| Is there any information mentioning Pre-processing done through ELRC services?                                                                     | <input checked="" type="checkbox"/> |          |
| Has any conversion been performed on this resource so as to make it directly useful for training MT engines of the Automated Translation platform? | <input checked="" type="checkbox"/> |          |

<sup>1</sup> Parallel / multilingual corpora LRs should contain English and, at least, one of the following languages: Bulgarian, Croatian, Czech, Danish, Dutch, Estonian, Finnish, French, German, Greek, Hungarian, Icelandic, Irish, Italian, Latvian, Lithuanian, Maltese, Norwegian, Polish, Portuguese, Romanian, Slovakian, Slovenian, Spanish or Swedish. Monolingual corpora and terminology LRs should contain, at least, one of the following languages: Bulgarian, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Icelandic, Irish, Italian, Latvian, Lithuanian, Maltese, Norwegian, Polish, Portuguese, Romanian, Slovakian, Slovenian, Spanish, Swedish

## b. Accuracy of completed metadata with respect to provided LR

| Mandatory metadata field names                                             | Current value                                                                              | Correct                             | Wrong                    | Missing                  | Comments |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|----------|
| Resource name                                                              | Parallel corpus (Greek - English) in the law domain (Processed) (Part 1)                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Resource type                                                              | Corpus                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| PSI - Public Sector Information                                            | Yes                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | n/a                      |          |
| License                                                                    | Public Domain                                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Contact person – surname                                                   | Prokopidis                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Contact person - email                                                     | <a href="mailto:prokopis@ilsp.athena-innovation.gr">prokopis@ilsp.athena-innovation.gr</a> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Linguality type                                                            | Bilingual                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Lexical conceptual resource or Language description type (n/a for corpora) | n/a                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Language(s) name                                                           | Modern Greek (1453-), English                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Encoding level (n/a for corpora)                                           | n/a                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Character encoding (applicable for corpora only)                           | UTF-8                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Size                                                                       | 1979                                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Size unit                                                                  | Translation Units                                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Mime type                                                                  | TMX                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |

## Data Quality Indicators

| Other metadata field names (to be listed if completed by submitter) | Current value                                                                                                                                                                                                                       | Correct                             | Wrong                    | Comments                                                                 |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------------------------------------------------------|
| Domain                                                              | Law                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                          |
| Conformance to classification scheme                                | Eurovoc                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                          |
| Multilinguality type                                                | Parallel                                                                                                                                                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                          |
| Attribution text                                                    |                                                                                                                                                                                                                                     | <input type="checkbox"/>            | <input type="checkbox"/> |                                                                          |
| Allows Uses Besides DGT                                             | Yes                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                          |
| IPR Holder                                                          | Ministry of Justice and Public Order of the Republic of Cyprus - Hellenic Parliament – Ministry of Justice, Transparency and Human Rights of the Hellenic Republic – Public Prosecutor's Office of Greece – Supreme Court of Cyprus | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                          |
| Relation type and ID of related resource                            | Is Part of #152                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Content extracted from websites (that are in Public Sector) was selected |

#### 4. Legal validation

##### a. If “PSI - Public Sector Information” metadata checkbox is ticked

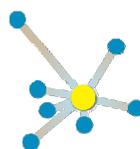
|                                                                                                                                                          | Validated<br>(check box if yes)     | Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------|
| “License field” value is identified (any value except “Under Review”)                                                                                    | <input checked="" type="checkbox"/> |          |
| If attribution is required, IPR Holder(s) is identified in the “IPR holder” field                                                                        | <input type="checkbox"/>            |          |
| Privacy/Confidentiality (if the resource is identified as private or confidential, is “Personal Data Included” or “Sensitive Data Included” box ticked?) | <input type="checkbox"/>            |          |

##### b. If “PSI - Public Sector Information” metadata checkbox is not ticked

|                                                                                                                                                          | Validated<br>(check box if yes) | Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|
| “License field” value is identified (any value except “Under Review”)                                                                                    | <input type="checkbox"/>        |          |
| If attribution is required, IPR Holder(s) is identified in the “IPR holder” field                                                                        | <input type="checkbox"/>        |          |
| Privacy/Confidentiality (if the resource is identified as private or confidential, is “Personal Data Included” or “Sensitive Data Included” box ticked?) | <input type="checkbox"/>        |          |

#### 5. Content Validation

| AUTOMATIC VALIDATION                                                                                                                                                     |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Has spell checking-based TU filtering been done?                                                                                                                         | Yes <input type="checkbox"/>            | No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Has alignment score outlier detection-based TU filtering been done?                                                                                                      | Yes <input type="checkbox"/>            | No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Has TU length ratio-based filtering been done?                                                                                                                           | Yes <input type="checkbox"/>            | No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Have any other content validation steps been applied?<br>If yes, list them in the columns to the right, one content validation step per row (add further rows if needed) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                          |                                         | Automatic content validation has been implemented as follows:<br>- The c-eval tool ( <a href="http://www.aclweb.org/anthology/W15-4924">http://www.aclweb.org/anthology/W15-4924</a> ) was used to train a parallelness classifier using the DGT-TM-release 2016 datasets ( <a href="https://ec.europa.eu/jrc/en/language-technologies/dgt-translation-memory">https://ec.europa.eu/jrc/en/language-technologies/dgt-translation-memory</a> ).<br>- The classifier was applied on this ELRC language resource and <b>97.67%</b> of its sentence pairs were classified as of |



## Data Quality Indicators

|  |               |
|--|---------------|
|  | good quality. |
|  |               |

| <b>MANUAL VALIDATION</b>                                                                                                                                                 |  |                          |                          |                          |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Has manual TU validation been done?                                                                                                                                      |  | Yes                      | <input type="checkbox"/> | No                       | <input checked="" type="checkbox"/> |
| If yes, indicate manually-annotated sample percentage (in terms of the number of TUs)                                                                                    |  | < 1 %                    |                          | <input type="checkbox"/> |                                     |
|                                                                                                                                                                          |  | 1-3 %                    |                          | <input type="checkbox"/> |                                     |
|                                                                                                                                                                          |  | 3-5 %                    |                          | <input type="checkbox"/> |                                     |
|                                                                                                                                                                          |  | 5-10 %                   |                          | <input type="checkbox"/> |                                     |
|                                                                                                                                                                          |  | > 10 %                   |                          | <input type="checkbox"/> |                                     |
| Has fined-grained error annotation been done?                                                                                                                            |  | Yes                      | <input type="checkbox"/> | No                       | <input checked="" type="checkbox"/> |
| If yes, indicate error type likelihoods (if available)                                                                                                                   |  | Unlikely (< 10 %)        | Likely (10 – 60 %)       | Very likely (> 60 %)     | Undetermined (untreated)            |
| Language identification error                                                                                                                                            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Tokenisation error                                                                                                                                                       |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Translation error                                                                                                                                                        |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Machine-translated text                                                                                                                                                  |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Free translation                                                                                                                                                         |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Character formatting error                                                                                                                                               |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Alignment error                                                                                                                                                          |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Have any other content validation steps been applied?<br>If yes, list them in the columns to the right, one content validation step per row (add further rows if needed) |  | Yes                      | <input type="checkbox"/> | No                       | <input checked="" type="checkbox"/> |
|                                                                                                                                                                          |  |                          |                          |                          |                                     |
|                                                                                                                                                                          |  |                          |                          |                          |                                     |
|                                                                                                                                                                          |  |                          |                          |                          |                                     |

## 6. Declaration on the list of pre-existing rights

| No. | Options                                                                                                                                                                                                                                                                                                                             | Selected option                     |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 1   | The results of this LR are free of rights or claims from creators or from any third parties for any use. The contracting authority may envisage and declare that the results do not contain any pre-existing rights to the results or parts of the results or to pre-existing materials as defined in the above-mentioned contract. | <input checked="" type="checkbox"/> |
| 2   | The results of this LR and the pre-existing material incorporated in the results are free of rights or claims from creators or from any third parties for any use. The contracting authority may envisage and declare that the results contain the following pre-existing rights:                                                   | <input type="checkbox"/>            |

**For Option 2 complete the table below – one line per pre-existing right**

| Result concerned | Pre-existing material concerned | Rights to pre-existing material | Identification of rights' holder |
|------------------|---------------------------------|---------------------------------|----------------------------------|
|                  |                                 |                                 |                                  |
|                  |                                 |                                 |                                  |

## 2. Processing Report

This report provides details on the processing steps carried out on the resource referred to above. This information is filled in by the same LR validator.

| Processing action                                                                                                                                            | Check if true                       | Comments                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Does the processed resource originate from ELRC sources?                                                                                                     | <input checked="" type="checkbox"/> |                                                                                                                                                                                                       |
| Has automatic text extraction from scanned documents (via Optical Character Recognition – OCR) been performed?                                               | <input type="checkbox"/>            |                                                                                                                                                                                                       |
| Has automatic text extraction from PDF or DOC(X) documents been performed?                                                                                   | <input type="checkbox"/>            |                                                                                                                                                                                                       |
| Has automatic document pair detection been performed?                                                                                                        | <input checked="" type="checkbox"/> |                                                                                                                                                                                                       |
| Has automatic sentence-level alignment been performed?                                                                                                       | <input checked="" type="checkbox"/> |                                                                                                                                                                                                       |
| Has TMX cleaning been performed?                                                                                                                             | <input checked="" type="checkbox"/> |                                                                                                                                                                                                       |
| Have any other processing steps been carried out?<br>If yes, list them in the columns to the right, one processing step per row (add further rows if needed) | <input checked="" type="checkbox"/> | Several filters were applied to discard/annotate alignments that might be incorrect or of limited use for training MT systems. Only TUs extracted from content of "Public sector" websites were kept. |
|                                                                                                                                                              | <input type="checkbox"/>            |                                                                                                                                                                                                       |
|                                                                                                                                                              | <input type="checkbox"/>            |                                                                                                                                                                                                       |