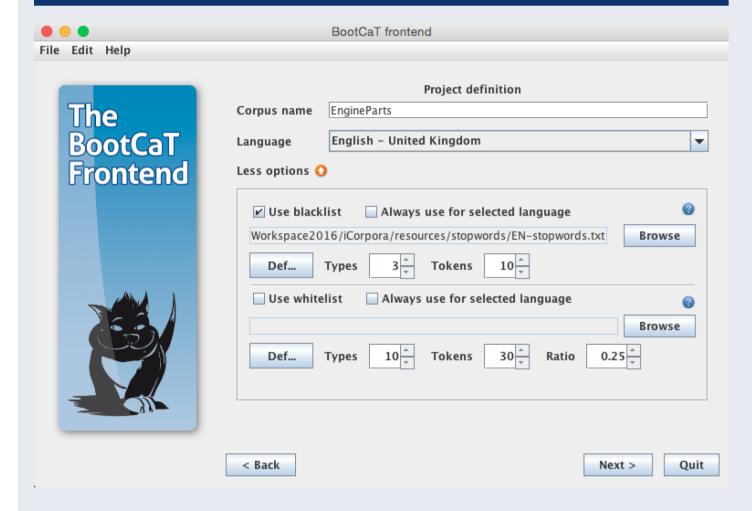
# iCompileCorpora: A Web-based Application to Semi-automatically Compile Multilingual Comparable Corpora



# **Existing Corpora Compilation Solutions and their limitations**

## **Current limitations**

## WebBootCaT [7]



- compilation tools are scarce or proprietary
- simplistic with limited features
- built to compile one monolingual corpus at a time
- or do not cover the entire compilation process (i.e. they do not allow managing and exploring both parallel and multilingual comparable corpora)

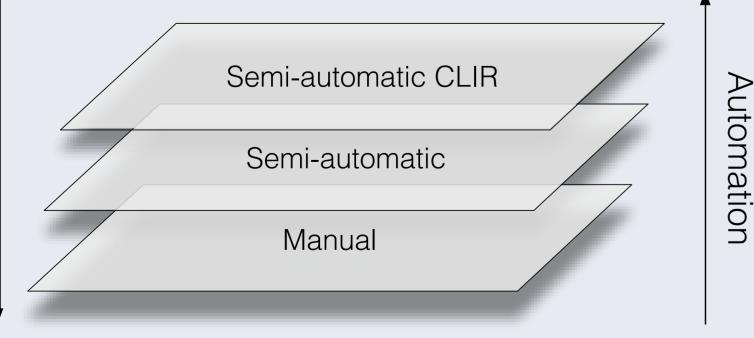
Corpus name	EngineParts	
Language	English	
	Creating BootCaT corpora is available only for those language which we can at least tokenise. All such languages are listed here.	
Input type	Seed words	
	O URLs	
Select "URLs" to download data from specified URLs rather than use seed words for finding the URLs.		
URLs	http://www.engineparts.co.za/ http://www.napaonline.com/Catalog/Result.aspx? Ntk=Category&N=0&Ntt=Engine+Parts_Gaskets http://en.wikipedia.org/wiki/Component_parts_of_inter nal_combustion_engines http://www.eurocarparts.com/engine-parts http://auto.howstuffworks.com/engine2.htm	

#### *iCompileCorpora* Manual Semi-automatic Semi-automatic CLIR • Permits the exploitation of both mono- and • Address the demand for multilingual corpora • Represents the option of compiling monolingual and multilingual corpora

- Allows for the manual upload of documents from a local or remote directory
- multilingual corpora mined from the Internet
- Addresses some limitations in current solutions, such as: the use of more than one boolean operator when creating search query strings
- by taking advantage of CLIR techniques
- Allows for the retrieval of relevant information written in a language different to the one semi-automatically retrieved by the semiautomatic layer

## iCompileCorpora Layered Model

### Acknowledgements



Hernani Costa is supported by the People Programme (Marie Curie Actions) of the European Union's Framework Programme (FP7/2007-2013) under REA grant agreement nº 317471. Also, the research reported in this work has been partially carried out in the framework of the Educational Innovation Project TRADICOR (PIE 13-054, 2014-2015); the R&D project INTELITERM (ref. nº FFI2012-38881, 2012-2015), and the R&D Project for Excelence TERMITUR (ref. nº HUM2754, 2014-2017).

#### **References**

- [1] L. Bowker and J. Pearson, Working with Specialized Language: A Practical Guide to Using Corpora. Routledge, 2002.
- [2] L. Bowker, Computer-aided Translation Technology: A Practical Introduction. Didactics of translation series, University of Ottawa Press, 2002.
- [3] F. Zanettin, S. Bernardini, and D. Stewart, Corpora in Translator Education. Manchester: St. Jerome Publishing, 2003.
- [4] G. Corpas Pastor and M. Seghiri, "Virtual Corpora as Documentation Resources: Translating Travel Insurance Documents (English-Spanish)," in Corpus Use and Translating: Corpus Use for Learning to Translate and Learning Corpus Use to Translate (A. Beeby, P. Inés, and P. Sánchez-Gijón, eds.), Benjamins translation library, ch. 5, pp. 75–107, John Benjamins Publishing Company, 2009.
- [5] EAGLES, "Preliminary Recommendations on Corpus Typology," tech. rep., EAGLES Document EAG-TCWG-CTYP/P., May 1996. http://www.ilc.cnr.it/EAGLES96/corpustyp/corpustyp.html.
- [6] M. Baroni and S. Bernardini, "BootCaT: Bootstrapping Corpora and Terms from the Web," in 4<sup>th</sup> Int. Conf. on Language Resources and Evaluation, LREC'04, pp. 1313–1316, 2004.
- [7] M. Baroni, A. Kilgarriff, J. Pomikálek, and P. Rychlý, "WebBootCaT: instant domain-specific corpora to support human translators," in 11<sup>th</sup> Annual Conf. of the European Association for Machine Translation, EAMT'06, (Oslo, Norway), pp. 247–252, The Norwegian National LOGON Consortium and The Departments of Computer Science and Linguistics and Nordic Studies at Oslo University (Norway), 2006.