

# Example-Based Machine Translation

## An Introduction

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January 2005

### **Abstract**

Example-Based Machine Translation is a statistical based method for Machine Translation. The idea behind this approach to MT is that if we take all the translations already done in the world, probably we will need to translate just a few more sentences, or just translate some words.

So, EBMT uses a database of translations, called examples (this database is in many cases just parallel corpora, but its complexity can raise to more complex data structures like syntactic trees), where it will search for translations similar to the one being performed. After extracting these examples, they will be merged in a full and, hopefully, correct translation.

Although based on a simple concept, this translation method is one of the main research areas in MT. New techniques are appearing in the storing methods with examples generalization, matching using word morphological information and adapting of the examples using rules. In this document we will try to discuss each one of these steps of MT and how previous work done with word-alignment of parallel corpora can be useful for this task.