# Article Title: Active Learning and Crowd-Sourcing for Machine Translation

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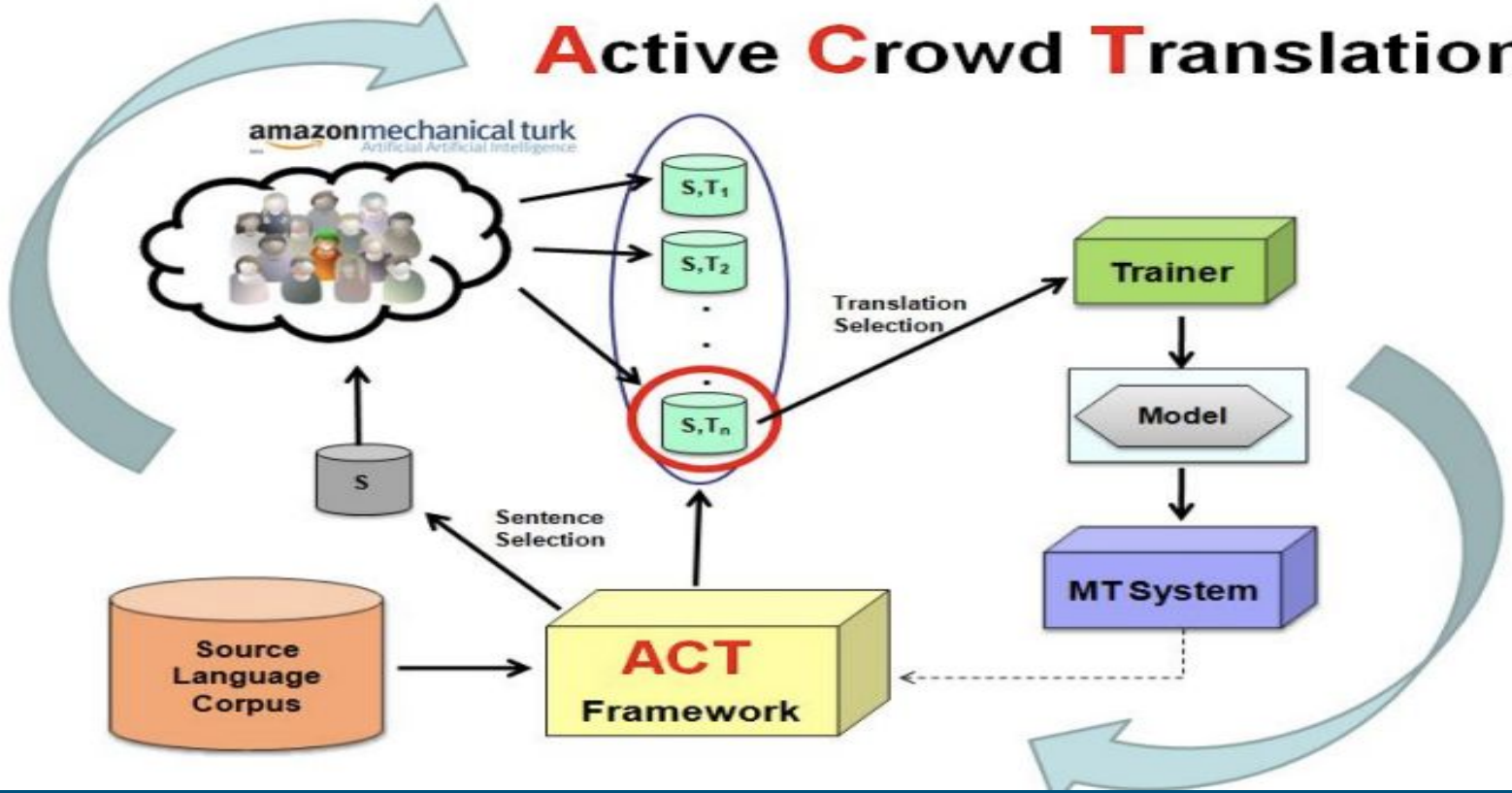
# A. Core idea of the paper

Active Crowded Translation(ACT) =active learning(label the monolingual corpus )+ crowdsourcing ( facilitate selection)

Since Statistical machine translation depend on ability of parallel corpus, ACT want to help to decrease this phenemenoun.

# Active Crowd Translation



# B: Approached of paper implementation

- Have an monolingual corpus which the active learning uses to create a parallel corpus
- selection for the best translation with crowdsourcing (probality can be use to get the possibility of sentence to be in the labeled)

- give the new parallel corpus to the trainer(MT)

# C.Preview of cor modules implemented

- load data
- create class for indexing input
- use seq2seq(encoder, decoder: evey output of the encoder is input vector decoder which create some translations)
- create feed foward layer attention for calculating weight attention that can help to get the maximum length of sentence
- using one function for selecting sentence translation and give this to the trainer
- evaluation by using the kind of data that we have at the beginning(no target)

# C.Results

Build an MT system that follows the ACT steps and translate from english to french.

# E. Comparaison

The paper uses bleu core for evaluation and for us we had a problem to adapt it with our implementation.

# Conclusion

we learn something about active learning crowded and get new knowledges in machine translation.

# Thank you