



## Some Facts about Machine Translation

- Research has made significant progress in the quality of MT in the past five years (DARPA/GALE)
- However, current machine translation technology does not match the performance of expert human translation
  - a single error/omission/deletion can seriously compromise the utility of a particular translation even when judged 70% or 80% accurate
- The MT performance varies depending on the domain, the source, the culture and the language itself
  - The more different two languages are from each other, the harder it is to create a mirror document







## **Our Approach**

- Machines and people working together!!??
  - Indications are: yes!
- Computers do what computers do well
  - Process mass quantities of information
  - Filter, sort, quantify, prioritize
  - Never sleep
- People do what people do well
  - Assess
  - Select
  - Refine with domain expertise
  - Nuance the cultural insight
  - Create products



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- They are the final judges of application's utility
- They need transparent and configurable tools to resolve their tasks
- Current MT or any HLT capability are not sufficient as A solution
- Providing a capability to the user is more than just a technology innovation. The application has to be adapted to the user's task
- User interface is critical to enable the dialogue between the users and the developers
- The novel contribution has to have an end to end functionality or capable of being embedded into an existing operational system
- Listening and responding to users' feedback is an iterative essential in the development and implementation process

