Inspirations

*This document is intended to provide authors inspirations for a better understanding of the Cezanne-ai project and the research paper: “Cezanne-ai: a conversational AI open-framework for multi-domains, all the languages and limited data”.*

1. The research made for three books written and published by one of the co-authors. Understanding of philosophy, psychology, dramaturgy and how to build dialogues between virtual characters are becoming important assets/skills in NIU/NLU.
2. The process of transforming a book into a script (dramatizing). One of the books, referred above, was dramatized into a successful theatre play, and a different one was transformed in a script for a movie that hasn’t been produced yet. These processes are useful in developing Conversational Policy Learning
3. Basic understanding of WW2 Enigma machine. How to effectively communicate by having limitations in terms of encoding/decoding/summarization can be very helpful, as people usually need many words to express themselves. In these situations, NLP models are still in an emerging development phase even if some companies have unlimited resources.
4. A Pirkin Company Chatbot was roll out in 2019: BucurieEsti. The integration of the chatbot with Wit.ai interface gave us an important feedback, useful in building alternative platforms and solutions, especially for NIU and labeling.
5. Deep evaluation of the Hugging Face models and NLP courses
6. Research of frameworks and courses available on SpaCy, Allen NLP, Fast AI or Haystack.