

AUTONOMATA Too

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- Same consortium as in Autonomata



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Project background

What is the problem with ASR of names/POIs?

- G2Ps for common words do not work properly for names due to:
 - Fossilized spellings
 - Names of foreign origin
- Cross cultural “phonemena” in pronunciations (phonemes / lex. stress):
 - Natives speaking native names
 - Natives speaking non-native names
 - Non-natives speaking native names

What is the output of Autonomata (I)?

1. P2P learning engines to improve G2P conversion
2. Corpus of spoken names
(for person names and toponyms)

→ *Autonomata Too (Transfer Of Output)*

Automata Transfer Of Output

Build prototype application for POI recognition (ASR)

- Other types of names (Accommodation & Night Life):
 - use P2P learning engines for finding transcriptions
- Use real life pronunciations of names:
 - use patterns found in name corpus for finding transcriptions
- Taking into account cross-cultural pronunciation phenomena
 1. Variants within Dutch phoneme set
 2. Variants with extra (foreign) phonemes

Goals of Automata Too

- *Improve ASR of Dutch/Flemish POIs*
- *Build demo-application to show proof of concept*