VIAN-DH

VIAN-DH is web-based software for multimodal corpora. It is a part of LiRI Corpus Platform (LCP), specializing in audio-visual language resources.

Corpora stored in VIAN-DH containing different types of annotations. To name some of them, annotations can include speech transcript, part-of-speech annotation and other kinds of labels marking embodied communication, such as gestures or facial epressions, or document segmentation such as scene for film, turn for conversations, or experiment phase for various experimental settings. This is not an exghaustive list, and the scope of annotations varies from one corpus of another.

Data structure

VIAN-DH allows for different types of alignment. Primary types are:

- time-frame alignment for any annotations linked to the time or frame stream
- text-alignment referring to continuous stream of characters for annotations referring to textual content, such as part-of-speech, named-entity-recognition, etc.

Any annotation can have multiple alignment to both of these streams by marking its start and end position/index, e.g., a sentence can have a start and end time and a start and end character. See the Fig. 1 below for a graphical representaiton of data being linked to multiple alignement streams. Note how each annotation track (gestures, utterances, tokens, named entities and constituents) are linked to both time and text stream (utterances), or either text stream (tokens, named entities and constituents), or time stream (gestures). In case of video, time stream also refers to frame stream - since each video has a specific frame rate.
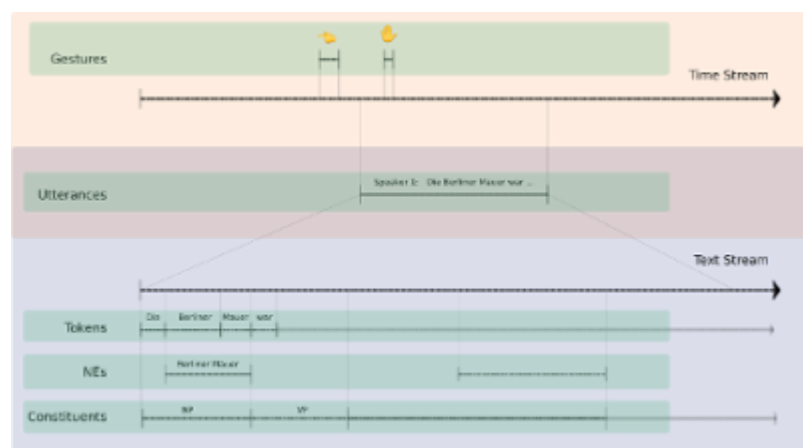

Fig 1. Data representation on virtual alignment streams

Access

VIAN-DH web-app is currently in beta-testing mode. The test application can be accessed via this link.

The application is accessed through a Shibboleth login form, see Fig 2.
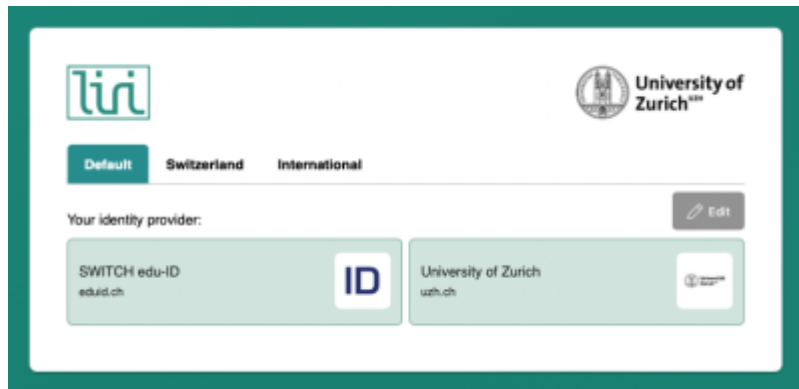
Fig 2. VIAN-DH login form

The application can be accessed by anyone with a EduID login. If you are not affiliated to the University of Zurich, please use the EduID access (left on Fig 2.) and do not try to access by searching for your home institution.

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