# The structure of the Hungarian Parallel Precision Speech Database

The database contains nearly 2,000 sentences read by 5 male and 5 female speakers stored in an ordered directory structure. Every library typically contain 36-36 sentences in an audible form (wav) and six additional parallel representations. These are the following: orthographic text (txt), phonetic transcription supplemented with word boundaries (gph), sound and word boundaries with time markers (TextGrid), waveform markers (pit), word stress marks in every word of the sentence (hgs), formant data for every voiced high energy speech sound of the sentence at 10%, 25%, 50%, 75%, and 90% points. All seven types of files of the given sentence have the same identifier, only the file extensions are different (see below the part of the structure of the library 01).
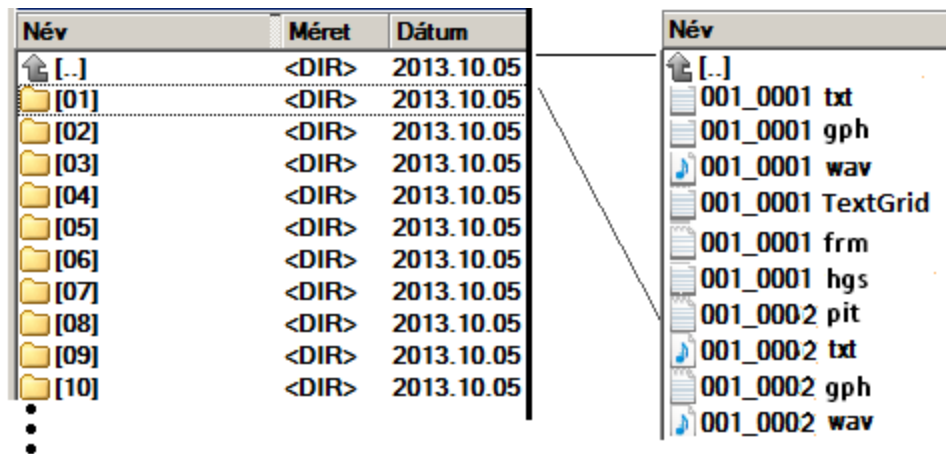
Example sentence: *Ebben a pillanatban rájött, hogy hol van.*

txt file:	ebben a pillanatban rájött, hogy hol van.
gph file:	e b: e n < sil | > a < sil | > p i l: a n a d b a n < sil | > r a1 j o2 < t: sil | t > h o < gy sil | ty > h o l < sil | > v a n
TextGrid file:	sound and word boundaries start-end time markers
pit file:	start-end time markers of voiced sound periods for F0 calculation
hgs file:	[:F]ebben [:N]a [:N]pillanatban [:F]rájött, [:N]hogy [:F]hol [:N]van.
frm file:	example of the four forms of the first vowel in the 001_0001.frm file at 5 points of the sound:

```
file hang    time   pos  F1   F2    F3    F4
f_bm_0103  E   0.1321  10  571  1596  2435  3607
f_bm_0103  E   0.1443  25  570  1610  2509  3631
f_bm_0103  E   0.1648  50  570  1628  2593  3615
f_bm_0103  E   0.1853  75  541  1532  2518  3566
f_bm_0103  E   0.1976  90  446  1427  2406  3505
```