

Speech Aerodynamics Database

- **Responsable scientifique** : Didier Demolin
- **Lecture**
- **Type de corpus** : **Aéro** **Audio**
- **Langues du corpus** : **Amharic** **Anglais** **Français**
- **Description** :

This database was designed during an ARC project [1] ‘Dynamique des systèmes phonologiques’ in which the study of aerodynamic constraints on speech was an important goal. Data were recorded between 1996 and 1999 at the Hôpital Erasme of the Université libre Bruxelles. The goal was to obtain a substantial amount of data by simultaneously recording the audio signal, subglottal pressure, intraoral pressure, oral airflow and nasal airflow, in various contexts. Another aim was to obtain some reference values for female and male subjects producing different types of segments and sentences in French. Later 2 English and 1 Amharic speakers were added.

The equipment used for the recordings was the Physiologia workstation [2] designed by the Soremed that later became Sqlab [3] at the university d’Aix-en-Provence under, the supervision of the late Bernard Teston. Several versions of the software were used during the recordings but all are compatible with the Phonedit software that was used for the recordings. File format was :signal RIFF wsig ‘speech’; signal format: 16000 Hz | 12 bits Mono ; Aerodynamic files : signal format : 2000 Hz | 12 bits Mono.

<https://corpus.laboratoirephonetiquephonologie.fr/aerodynamics/>

- **Année(s) de collecte** : 1996-1999
- **Nombre de locuteurs** : 10
- **Informations sur les locuteurs** :

7 native French voluntary subjects, 2 English (1 native American and 1 native English) subjects and 1 native Amharic subjects.

- **Durée (en H)** :
- **Accès** : **Libre**
- **Statut** : **Annoté**
- **Annotations** : **Segments**
- **DOI / Lien** : <https://doi.org/10.34847/nkl.bfdot0f>
- **Références** :