Phonexia Voice Inspector

**Ultimate Forensic Software
for High-Accuracy Voice Analysis**
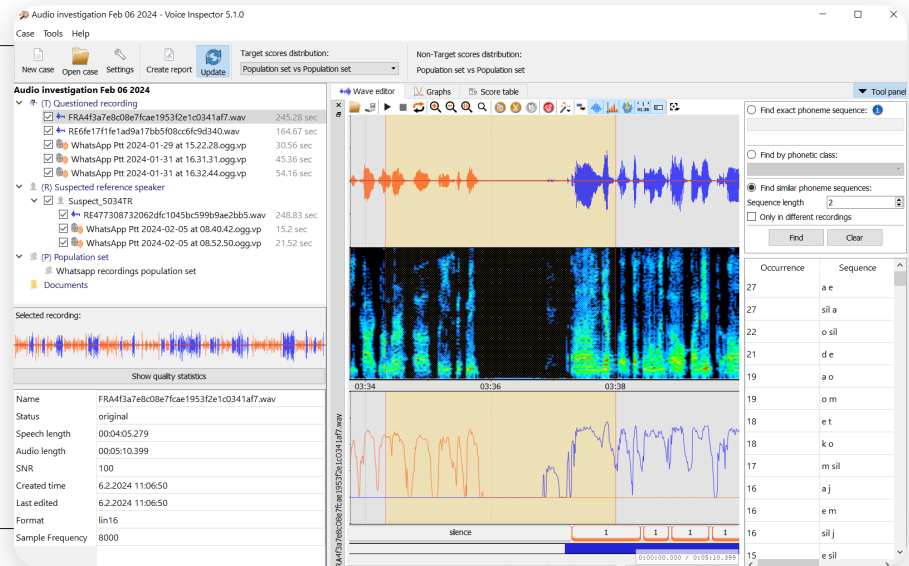
Unlocking Voice Potential

PHONEXIA

Perform Precise Voice Comparisons with Ease

Phonexia Voice Inspector enables forensic experts to conduct **highly accurate voice comparisons** aligned with ENFSI guidelines, **regardless of language**, **text**, **or channel**. Powered by advanced deep neural networks, this **standalone application** offers exceptional precision in speaker identification, crucial for supporting investigations and court evidence.

Key Features

- 1:1 Speaker Identification
- 1:N Speaker Identification
- Speaker Diarization
- Phoneme Recognizer
- Voice Activity Detection
- Spectrogram
- Wave Editor

Input Requirements

Audio

- WAV (8 kHz or higher sample rate)

Population Set

- 10+ speakers (50+ recommended)

Recordings

- Suspected speaker (20+ seconds of speech)
- Questioned speaker (3+ seconds of speech)

> After testing various applications for speaker identification, Phonexia Voice Inspector is the easiest to use and provides the most accurate results by far.
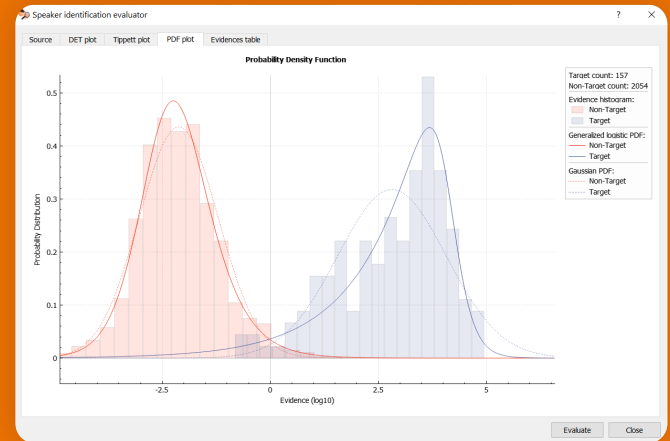
Gábor Balla
Audio Forensics Expert
Hungarian Institute for Forensic Sciences

Output

Scoring table with comparison results via a likelihood ratio, log-likelihood ratio, and verbal ratio.

Graphical presentation in the form of a Probability Density Function plot and a Tippett plot.

Detailed customizable report generated automatically and exportable as a PDF or an OpenDocument file.
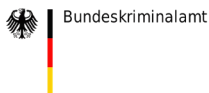

Why Phonexia?

Phonexia is an independent software company that has been developing **state-of-the-art voice biometrics and speech recognition technologies** since 2006. Partnering closely with a renowned speech research group at Brno University of Technology, Phonexia consistently transforms the latest scientific breakthroughs into highly accurate, industry-leading products.

Leader in Speaker Identification

High-Accuracy Products Powered by the Latest Science

Bundeskriminalamt

HIFS — HUNGARIAN INSTITUTE FOR FORENSIC SCIENCES

UNIVERSITY of York

JP French International

PHONEXIA

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