



Automatic music analysis and "Musée de l'Homme" sound archives

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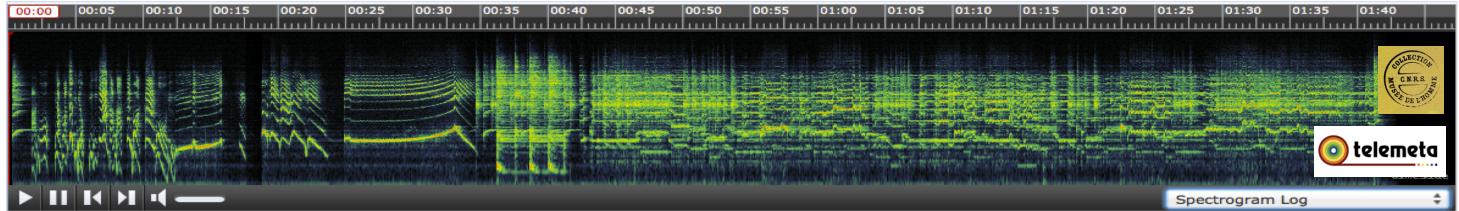


MUSÉE DE
L'HOMME

LESC
CREM
UMR 7186
CNRS • UPN



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The **Musée de l’Homme** has collected folk music from all over the world for a century. Today, 55,000 sound files are available in a database on line and 30 000 are on free access streaming : <http://archives.crem-cnrs.fr/>

Managed by the French Research Center for Ethnomusicology (CREM), this database is available through Telemeta, an "open source" web platform, enabling audio transcoding, streaming, time-based indexing, visualization and analysis: <https://github.com/Parisson/Telemeta>

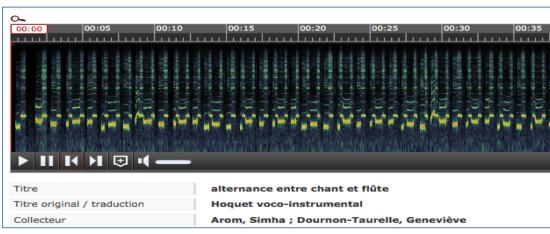
This collaborative platform, designed to index and enrich the archives, offers the opportunity to develop computational analysis tools, not parameterized only on Western music, in order to help the archiving process and the search for musical information in the sound content. <http://diadems.telemeta.org/>

Ethnomusicologists, acousticians, computer scientists and archivists developed together innovative tools that enable automatic detection of speech, singing, instrumental music, the beginning of a recording :

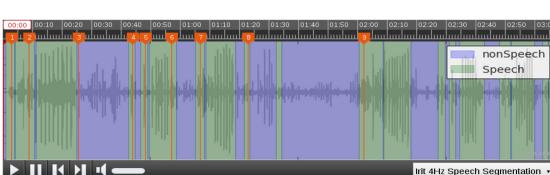
1. Time annotations



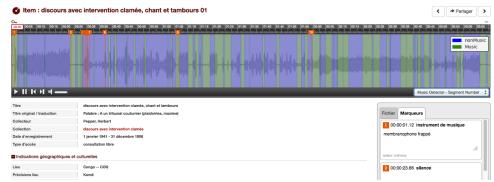
2. Spectral view



3. Speech detection



4. Music detection



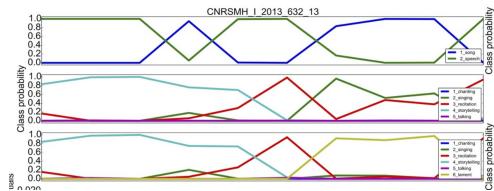
5. Singing voice detection



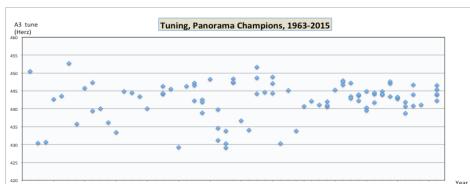
6. Monody/Polyphony detection



7. Vocal categories detection



8. Tempo, Tuning analysis



9. Dissonance, loudness

