## A Content-based System for Music Recommendation and Visualization of User Preferences Working on Semantic Notions

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http://musrec.upf.edu/avatar/ http://mtg.upf.edu/project/musicalavatar

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- Works on audio examples of tracks preferred by a user (a preference set)
- Collects preference examples from user accounts on popular online music services
- Alternatively works on preferred music tracks explicitly given by a user
- Retrieves audio for each track and automatically computes a semantic description of musical preferences based on raw audio information (http://mtg.upf.edu/technologies/essentia)
- Generates a visual representation of the user preferences in form of a cartoony Musical Avatar.
- Provides music recommendations based on a semantic music similarity measure between the preference set and the available universe of music.


Recommendation

