

## SUMMARY

Music has the gift of approaching people. Those who are living in contact with music, they will learn to live better with others, establishing a more harmonious communication.

This thesis is a work that deals about music, music education, functional diversity, music therapy and technological applications. But, above all, is a work about the collaborative musical creation, the thrill of feeling part of a group which creates something new and unique. Interpersonal and intrapersonal ways of communication. Something that serves to reach something. Something that sounds and thrills. The magic of music, the wonder of technology applied to artistic creation and the satisfaction on validating plural benefits for people using the application Soundcool, a free system developed by a performing arts group and technology (PerformingARTech) of the Universitat Politècnica de València for music education through collaborative creation using computers, mobile, tablets and the interface of video games Xbox Kinect, in environments of users with functional diversity.

At the outset, we describe many proposals and activities conducted by the Emosons team, responsible for the first steps related to this project. Lastly, we propose a musical creative workshop with Soundcool. The ultimate objective of this proposal will be that each participant users' group, according to their possibilities, develop the activity of musical improvisation with Soundcool and they experience the belonging to a creative group. They also will learn how the tool works and try to arouse some creative, communicative and expressive pursuits using sounds that have been recorded by themselves, helped by their monitors involved in the Project, or other type of sounds already available.

This collective could find in music an affordable way to exchange and interaction, in order to develop new communication and creative possibilities. This project and this implementation, as a field test, meant to be an effective demonstration tool, which serves as an impromptu interpreter between these users with functional diversity and the world that surrounds them and to which they also belong. And the vehicle that facilitates that communication, that's music. Nothing less than music. It's about to provide sound to the signifier to reach the meaning. Thrill to the words, sounding. Smile in c major, minor... no matter. Play, to thrill and excite.

**Key words:** *Functional diversity, musictherapy, Soundcool system, ICT and disabilities.*