

Newsletter November 2021

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SfE newsletter

Music education must be an interactive, holistic and creative process.

smART – Systemic Music Analytics Response for Teachers – Testing has started!

While the children involved in our Music programs were enjoying their well-deserved holidays after a challenging academic year, we used the summer months for a technical introduction and training of the smART device in Vienna.



© Superar Slovakia – smART set-up training

smART is designed for analyzing how successful a teacher is in gaining and maintaining the focus of children. It provides the possibility to replay videos, analyze various scenarios from video recordings and helps teachers to self-assess and improve their performance.

Following the successful completion of both the first kick-off online workshop in September 2020 in Vienna and the second workshop in Detva, Slovakia in May 2021, it is Athens' turn. With the physical presence of the collaborating groups and Gerald Wirth, an educational workshop will be held for the actual implementation of the Wirth method to the choirs of El Sistema Greece. In this workshop, we will have the opportunity to see in practice the IT tool Systemic Music Analytics Response for Teachers smART, explore in-depth its functions and study the outcoming results. The workshops will be hosted at Serafio City of Athens. El Sistema Greece will then continue testing the smart kit for several months within its activities, including its orchestra rehearsals, before passing it onto the House of Good Tones, Srebrenica in January 2022



© Superar Slovakia – Music class with smART recording

The Superar Summer Camp in Detva, Slovakia, offered a first opportunity to use smART outside Vienna. The smART kit will stay

with Superar in Slovakia for testing and evaluation until our first Live-Workshop in Athens which is scheduled for the first week of November 2021.

El Sistema Greece will take over the smART kit and start testing it, also with the orchestra in Athens for several months before passing it on to the House of Good Tones, Srebrenica, in January 2022 for a testing period. → Following the successful completion of both the first kick-off online workshop in September 2020 in Vienna and the second workshop in Detva, Slovakia in May 2021, it is Athens' turn. With the physical presence of the collaborating groups and Gerald Wirth, an educational workshop will be held for the actual implementation of the Wirth method to the choirs of El Sistema Greece.

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What is smART?

Systemic Music Analytics Response for Teachers

smART records a rehearsal or classroom situation, analyses the collected data and provides feedback on a dashboard for the choirmaster or teacher for self-reflection.

smART consists of three cameras – one directed to the conductor, two to the group – and one laptop. One of the cameras is equipped with a group microphone. smART is independent of any internet connection.

This device aims at providing a possibility of teacher training, even in remote locations where access to training is not easily possible. It

was first developed to allow an upscaling of teacher training in regions lacking music teachers.

smART is calibrated on the wirth method, the best practice of music pedagogy collection compiled by Prof. Gerald Wirth. The algorithms used for analysing the choir rehearsals are based on the metrics of the wirth method.

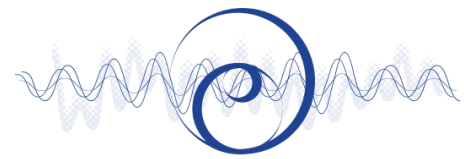
Visions for the Future

Together with the wirth method Guide which is a self-study course for music teachers who want to learn to identify the Pillars, Triggers and Actions of the wirth method, smART is one step towards the Neuromusic Education Simulator (NES).

An analogue to flight simulators, NES will provide music pedagogues with the possibility of practicing pedagogical skills with a virtual class / choir before starting to work in a real class.



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