Energy from Noise

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Energy from Noise (Energetic Noise) is a new strategy to reduce the problem of acoustic pollution in educational institutions starting with the Francisco Restrepo Molina Liceum. The project is integrated by the installation of two devices (Phase I and Phase II of the Research Project) and a statistical analysis of data to bring awareness to students that enables the generation of a listening environment and one of respect amongst individuals. The first device (Phase I) works as a system of audio measurement which quantifies the problem in decibels (dB) and projects the levels in screens, showing students and teachers inside the classroom what level of sound intensity is being generated. The second device (Phase II) pretends to make use of acoustic pollution in spaces and work days in which it is not possible to reduce the problem of acoustic pollution such as open spaces, cultural and sports days and during breaks, to generate, recollect and store electric energy derived from sound waves.

Awards Won: