


Event:
Date:
Place:

ENERGY in BUILDINGS 2017
Saturday October 21, 2017
Athens, Hellas



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Presentation title:	Analysis of behavior and interaction of students concerning the conditions of daylight in school buildings	
<p>The objective of this study is to present the opinion of students for the visual comfort from the daylight in classroom via questionnaires and the confrontation of results with measurements of condition of daylight at the moment of completion of the questionnaires.</p> <p>The school buildings should not risk the health of students and teachers, provide a safe educational environment, increase the performance and the satisfaction of students and teachers while simultaneously functioning with the lowest possible cost for the operation and consequence at the environment.</p> <p>The visual comfort in the school buildings will improve the health and well-being of all students and also the satisfaction and consequently the learning. The daylight is a decisive factor for the visual comfort of students, because in most modern school buildings there are big exterior windows with high infiltration of daylight.</p> <p>The study investigated two north facing classrooms and one south facing classroom. Totally 155 students aged 16-17 years participate in the study (104 males, 51 females). Questionnaires were completed by the students three times (Autumn – Winter – Spring) and the same hour (11:00pm) every time, measurements of daylight was taken by luxmeter. The data from the questionnaires statistically analyzed using the IBM SPSS Statistics software.</p> <p>At the end will be proposed an upgrade for the system of daylight in classrooms that take into consideration the results of statistical analysis about the behavior of students.</p>		