



## **Educating secondary students about climate change through Art**

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Climate Change is one of the phenomena that Environmental Education, which is part of the School Programmes of Greek Secondary Education, deals with. Though it is a complex phenomenon it should be taught by enriching the learning process with other activities. One idea was to use activities which are relevant to Art, following the STEAM movement which encourages integration of Art in Education.

Triggered by a scientific study, which used famous paintings during the period 1500 to 1900 to provide proxy information on the aerosol optical depth, educational material was developed in order students recognise in an innovative way some factors affecting global climate.

During the educational process students of the first class of Upper High School of a private school in Athens, worked on the educational material, consisted of paintings, visualisations of measurements and scientific studies and concluded on how global climate is affected.

In order to investigate the beliefs of secondary students on the factors which affect climate –before and after the educational process- a research was conducted.