



Educational programs about meteorology and climate for students of Junior High and High Schools in Greece

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During the previous school year (2018-2019) almost 6000 pupils from Junior High and High Schools in Greece have attended two educational programs focusing on meteorology and climate. These programs were designed and delivered by the scientific team of Educational Meteorology of the National Observatory of Athens/meteo.gr. The first educational program entitled “Peri anemon kai ydaton” (meaning: Talking about winds and water) focuses on the atmospheric processes with emphasis on severe weather phenomena and related protection measures. The program teaches among others the formation of a cloud and a thunderstorm, the cloud type classification, the creation of lightning and tornadoes, how to be protected against a lightning strike, etc. The second educational program, named “To klima allazei” (meaning: The Climate is changing) focuses on climate change, attributions and effects but also on mitigation and adaptation actions. In this program it is showed how sustainability can be achieved, talks about the principles of bioclimatic design and how they find application both in the design and in the day-to-day operation of the Stavros Niarchos Foundation Cultural Center, which is a cultural centre that has received an environmental award.

The educational programs have been designed to be interactive, in order to ensure pupils’ participation and they also use state-of-the-art technology tools, like VR headsets and tablets.

The high attendance of the educational programs and the results of the evaluation performed by the teachers clearly show that the programs succeeded offering knowledge in an intriguing way in a field that is not covered, at least in details, in the Greek school curriculum.