

The warning of sediments for the conservation of the environment

Francesco Gigante

MIUR, IC Sant'Elia Commenda Brindisi, Brindisi, Italy (f.gigante@libero.it)

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In the territory of the province of Brindisi, where the middle school of the Sant'Elia Commenda Brindisi is located, the sea fluctuations that occurred in Pleistocene-Holocene times are well recognizable in the gradation of the Adriatic side. This geomorphological characteristic is studied at first during the didactic programming when considering the geological history of the planet Earth. Later, both with computer methods and with excursions on the ground, numerous orders of marine terraces distributed between the 400 m and the sea level are recognized. On the terraced surfaces we can recognize the edges of coastal marine deposits or of abrasion engraved both in pre-Pleistocene formations and in the same Pleistocene deposits. Sometimes, as in the case of Ostuni and Oria, there are well conserved coastal paleodunes with their original shapes. They will be the object of the excursions related to this project of study of the territory. The considerations that can be drawn from these observations are many: the fundamental is the recognition of the great sensitivity of the Earth system to the climatic changes that occurred during the Plio-Pleistocene and the need to consider a policy to contain the climate warming occurred in the last 150 years.