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Seminario

Paleoclimate oscillation in the Mediterranean area during the last millennia: marine records

Martedì, 13 marzo 2018 – ore 16:30

Aula Arduino

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Abstract:

The Mediterranean basin represents an Hot Spot for paleoclimatic reconstruction for the last millennia, but unfortunately temporally and spatially high-resolution climate information / reconstruction from marine archives is still limited. As previously reported in the IPCC report 2007, 2013, the last millennia represent an important time interval to analyse the Earth's climate system under different conditions from those that dominate the present, to investigate the past climate oscillations and for the determination of the reliability of medium and long term prediction models. In particular, the comparison of data from historical documents, instrumental and paleodata records with multi-decadal-to-centennial variability, documented the occurrence of considerable climate oscillations of significant amplitude and duration that played an important role in social reorganizations in Europe. In this framework, the Mediterranean area is considered one of the most responsive regions to global change and due to its paleo-latitudinal and land locked configuration is an ideal archive to investigate paleoclimate changes at secular scale.

Proponente: Cristina Stefani