

عنوان مقاله:

Petro-physical characterization and 3D digital modeling for geometric reconstruction of the Neolithic domus de janus of Sedini field (North-Sardinia, Italy)

محل انتشار:

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خلاصه مقاله:

The subject of the investigation is a volcanic rock in which a group of Neolithic tombs named domus de janus have been excavated. this operation is quite common in Sardinia, even if in this specific case it assumes some even more interesting characteristics. The research started gathering the 3D digital models with a high level of details and developing this virtual model with its great accuracy within its geographical -virtual environment. The further steps were aimed at providing the information about its petrophysical characteristics, alteration processes and the evidences of the missing parts fallen during an ancient collapse. The main task is showing how to put together the 3D survey of this monument with all the data about its decay. The further development of this research will be aimed to: the definition of a searchable model with all these information linked in it, to produce a complete reconstruction of the original structure of the tombs, the definition of the potential threats on the future for this monument conservation

کلمات کلیدی:

Stones, Decay, Laser scanner, 3D modeling, Physical features, Geology

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