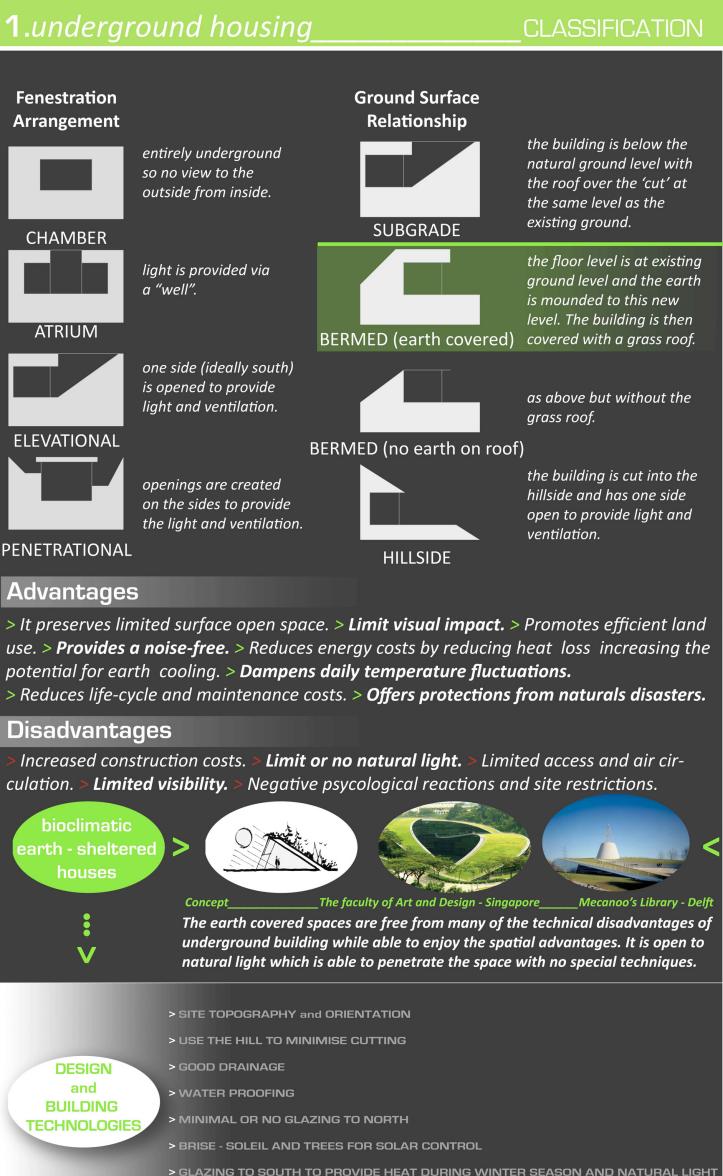
European Geosciences Union Principles and a case study of bioclimatic semi-underground architecture

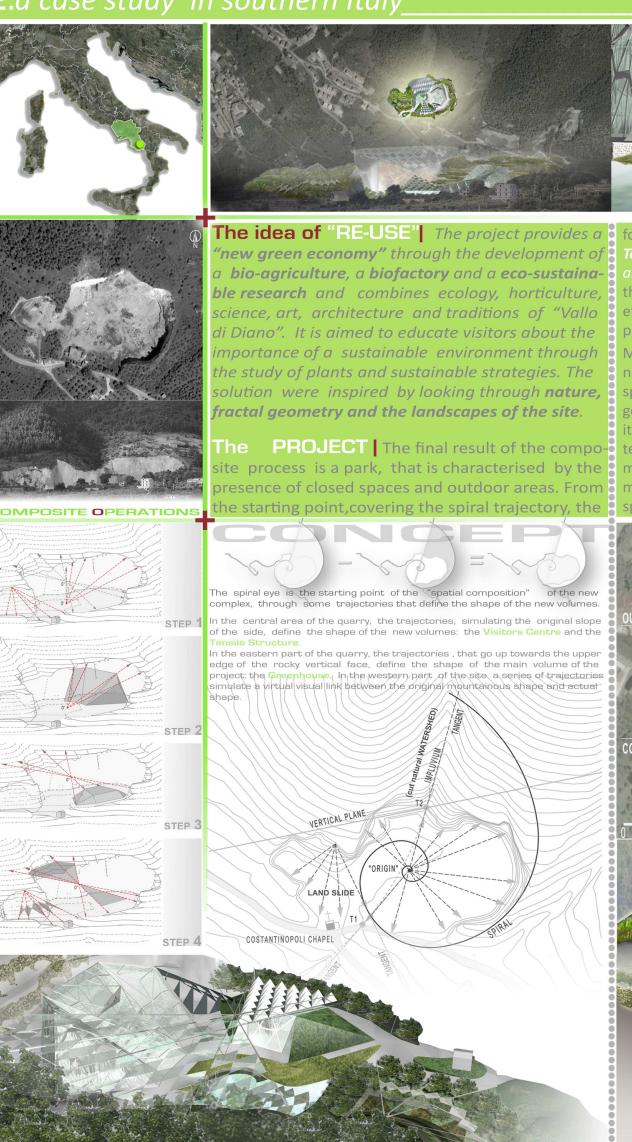
Nunzia Casale Potenza, Italy (ingcasalenunzia@tiscali.it - www.casalestudio.com), Filiberto Lembo, and Francesco Paolo R. Marino Faculty of engineering, University of Basilicata, Potenza, Italy (filiberto.lembo@unibas.it - francesco.marino@unibas.it)

ERE4 - Landscape and Land Use - hall XL

CLASSIFICATION 2.a case study in southern Italy

ECO-SUSTAINABLE REUSE OF "COSTANTINOPOLI" QUARRY in SALA CONSILINA SA







a "green living roof". The TENSILE STRUCTURE | is covered by a tubular steel space-frame, suspended to a tensile structure. The steel space-frame includes. > photovoltaic cells that are placed on triangular surfaces; > a series of tridimensional elements, covered by a glass-silicone membrane, for the **control of the direct solar radiation** the VISITORS CENTRE and the TENSILE STRUCTURE und floor, composed by a forced concrete structure, is seat of

The "VISITORS CENTRE" | The Visitors Centre provides the park with an education facility, incorporating classrooms and exhibition spaces The shape of this volume has been defined through a new re-interpretation of original slope of the side. The building appears like a rocky portion of

the surrounding scenery as it looks like as it is "growing" out the ground. The fractal shape of the green roof is designed as decomposition of plane surfaces with triangular shape. The southern façade is characterized by a glazed surface. The eastern and western envelope are partially covered by



e GREENHOUSE and the "Re - NATURALIZATION"

n the ground floor there are 2 multi-fun-

nere is a space which is a large room for GROUND FLO

GREEN ROOF

tional spaces, dedicated to exhibitions

nd shows, a cinema, a shop, a cafeteria,

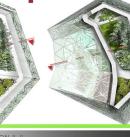
rchives, office spaces and a room where it

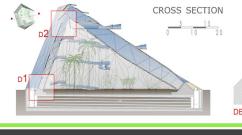
the *first floor*, under the glazed roof,

emporary and permanent exhibitions, a assroom and the museum of ancient

lants and traditions of the valley







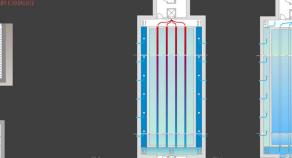


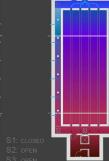












> GREEN ROOFS: INTENSIVE or EXTENSIVE