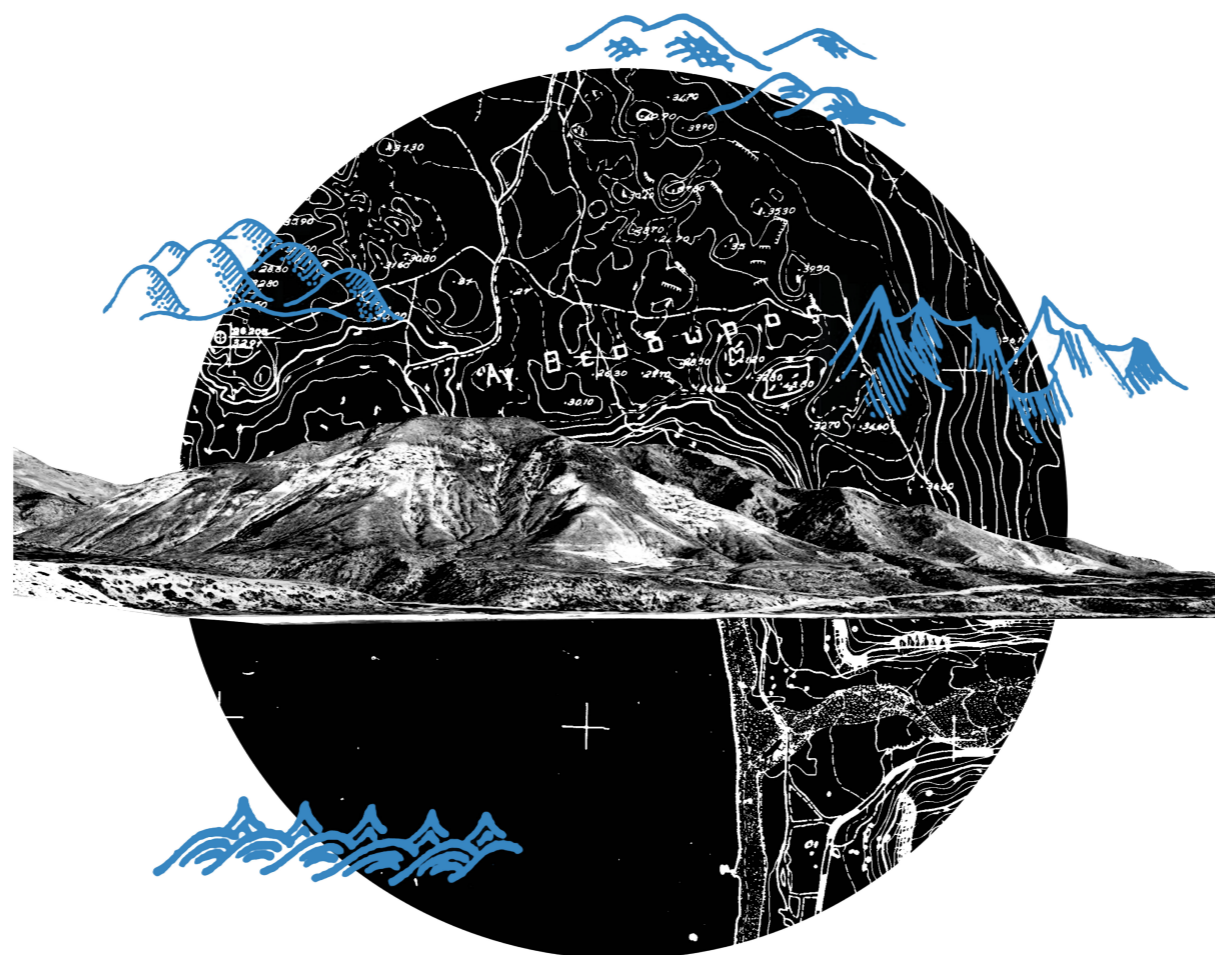




## 放棄された風景の痕跡



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Country / City	Greece / Chania
University / School	Technical University of Crete / School of Architecture
Academic year	2018-2019
Title of the project	Tracings of an Abandoned Landscape: Activation of Stomio Bay, Chania
Authors	Maria Papageorgiou, Marina Skoutela

## TECHNICAL DOSSIER

Title of the project	Tracings of an Abandoned Landscape: Activation of Stomio Bay, Chania
Authors	Maria Papageorgiou, Marina Skoutela
Title of the course	Diploma Design Thesis [grade 10/10]
Academic year	2018 - 2019
Teaching Staff	Panita Karamanea
Department/Section/Program of belonging	School of Architecture
University/School	Technical University of Crete



This Diploma thesis analyses the **Stomio Bay area** that is located southwest of **Chania**, Crete and close to the protected natural reserve of Elafonisi. It is a **Mediterranean landscape** with characteristics of an exceptional **geological substratum ecosystem**. Five basic spatial characters are detected: **a.** a stream with a pine forest, **b.** an abandoned reservoir, **c.** some stone ruins, **d.** an inactive gypsum industry, **e.** the European trekking pathway E4.

The representational method of designing satellite maps, photographs and diagrams is the main analytical tool that helped comprehend the unique character of the place: **a landscape of contrasts where a natural protected area (Natura 2000) co-exists with an abandoned industrial environment**. The imprints of human activity constitute a **“dystopian” atmosphere** and an **uncanny sense** emerges in space.

The proposal adopts this **genius loci** as the main compositional principle. The idea redesigns the traces of the landscape, while at the same time activates the area through hosting educational, environmental and artistic activities. A **network of trekking pathways** is being created with rest spots and observation points, as well as **new structures in the existing remnants**. This landscape is in a constant state of exchange between the **material and the immaterial**, where **mineral and social processes** take place simultaneously. The Diploma project by its interventions **emerges aesthetic, ecological and social aspects**.

For further information  
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Avenida Diagonal, 649 piso 5  
08028 Barcelona-Spain



# CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

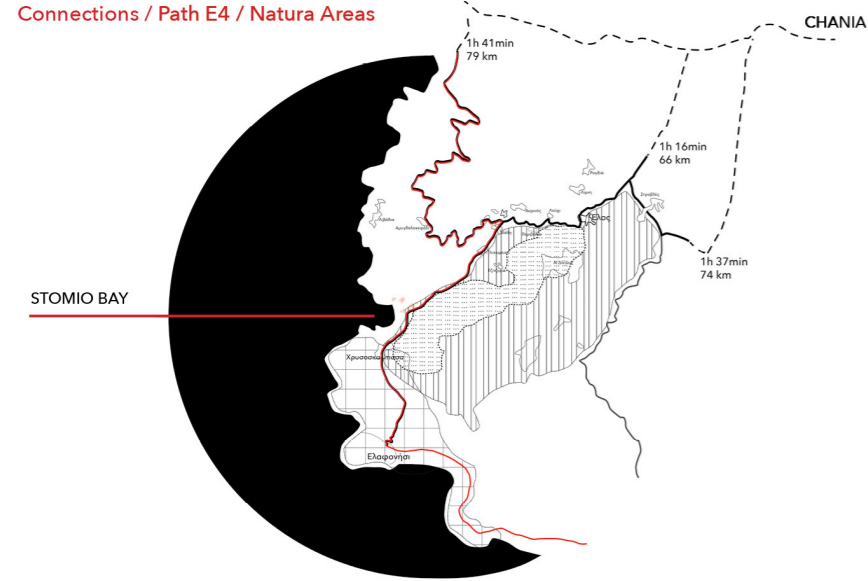
Barcelona September 2020  
SCHOOL PRIZE

# Tracings of an Abandoned Landscape: Activation of Stomio Bay, Chania

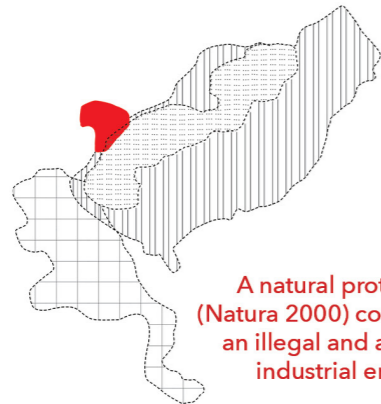
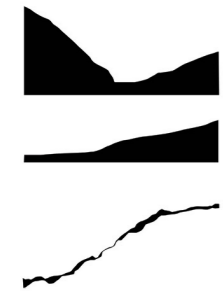


## LOCATION

Connections / Path E4 / Natura Areas

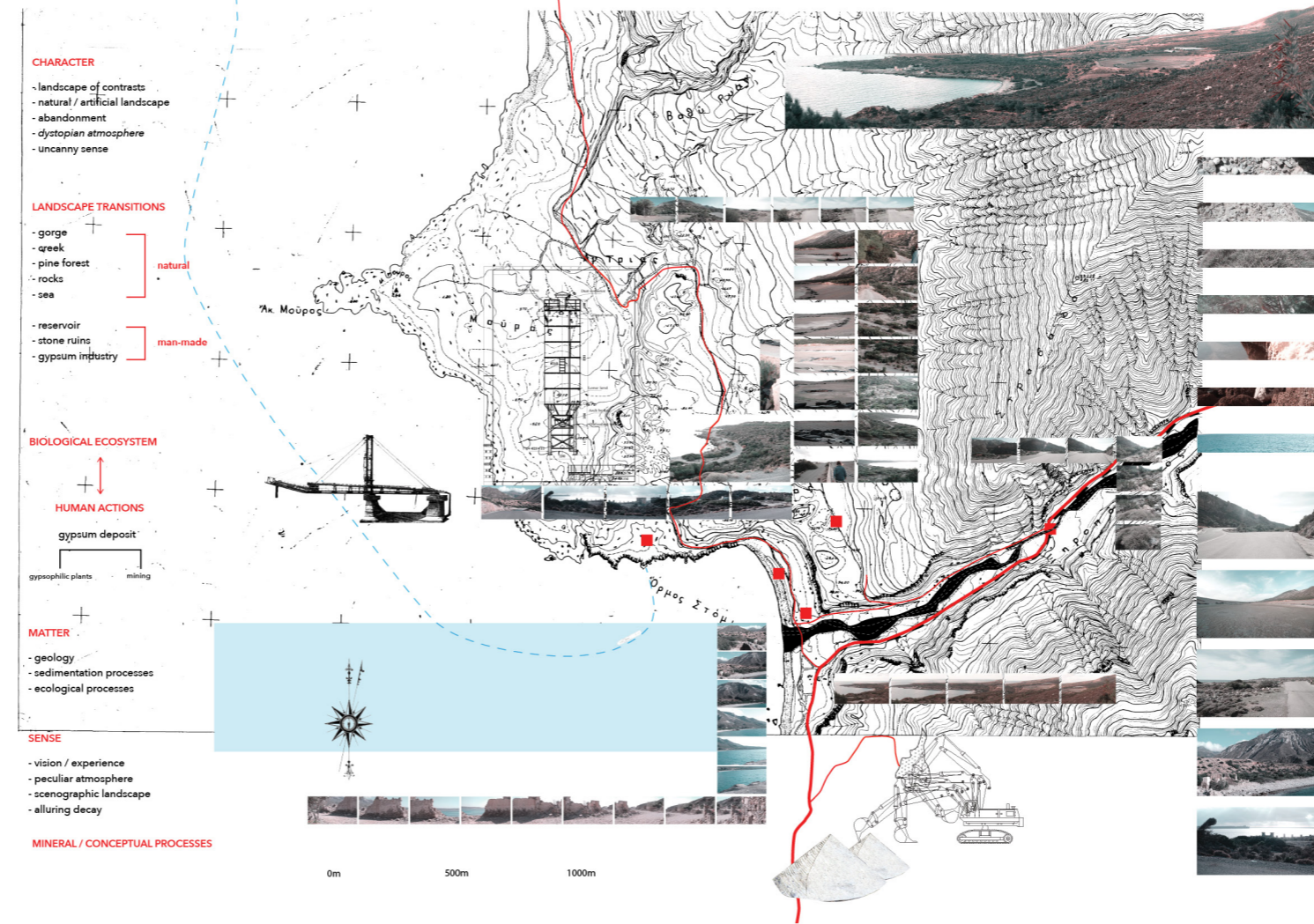


## LANDSCAPE ELEMENTS

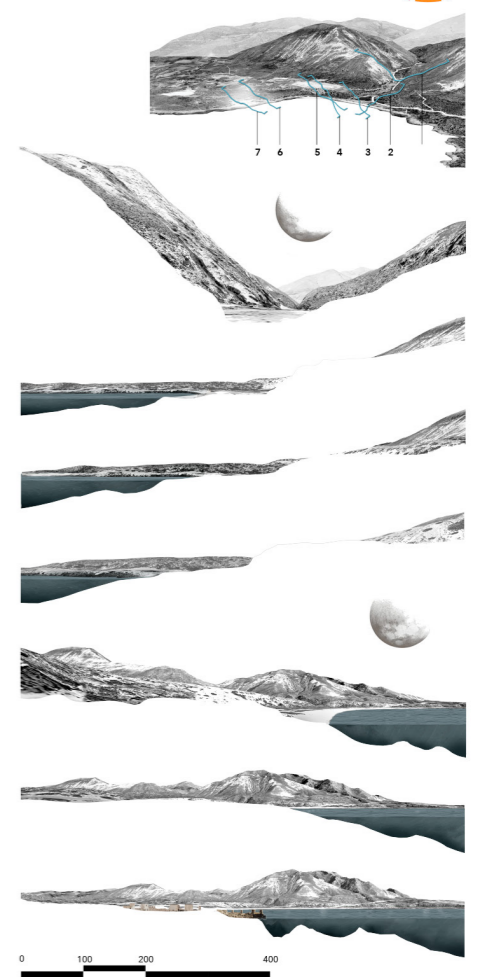


A natural protected area (Natura 2000) co-exists with an illegal and abandoned industrial environment

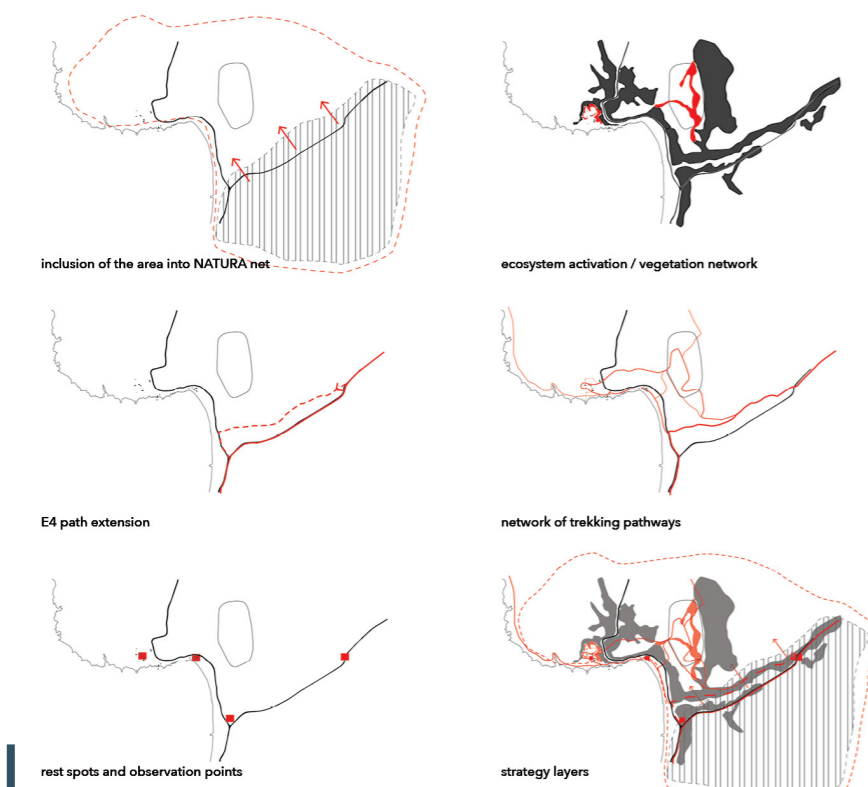
## LANDSCAPE TEXTURES



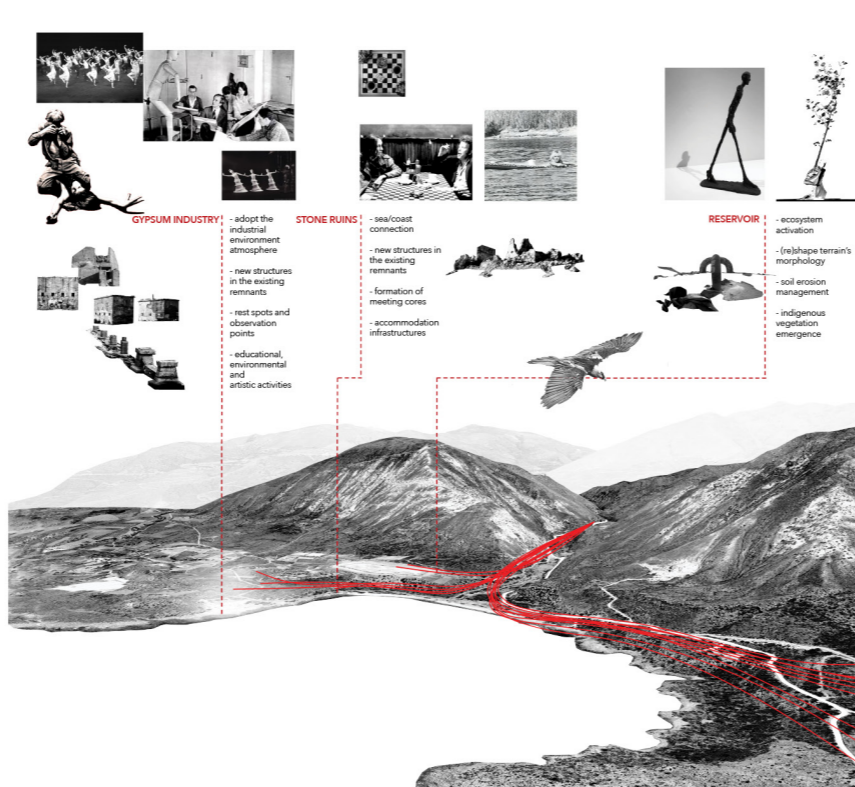
## TERRAIN'S MORPHOLOGY



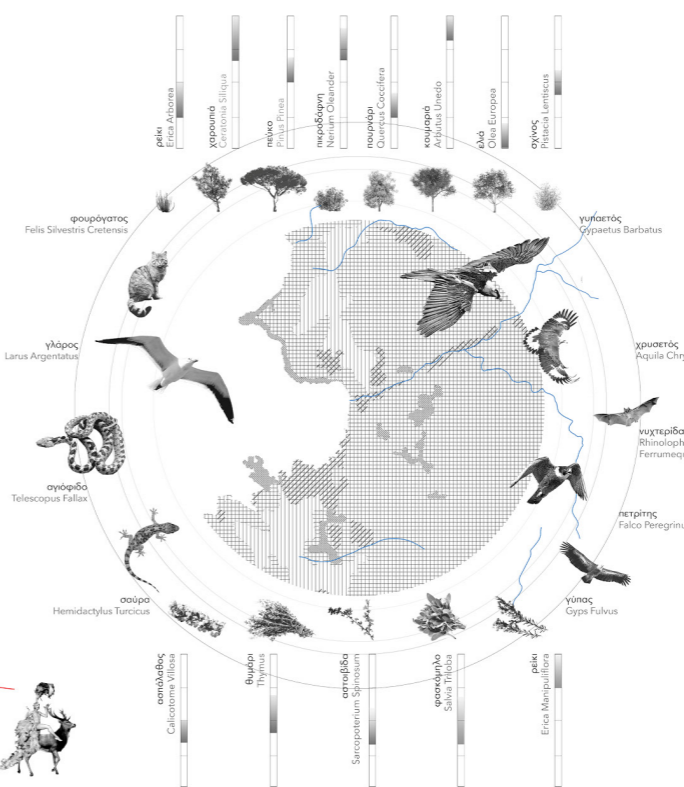
## STRATEGY



## SCENARIO



## ECOLOGY

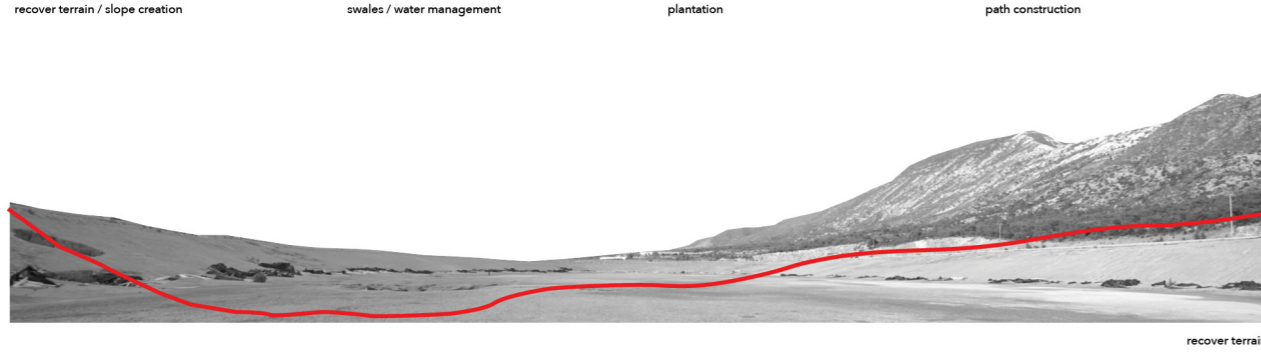
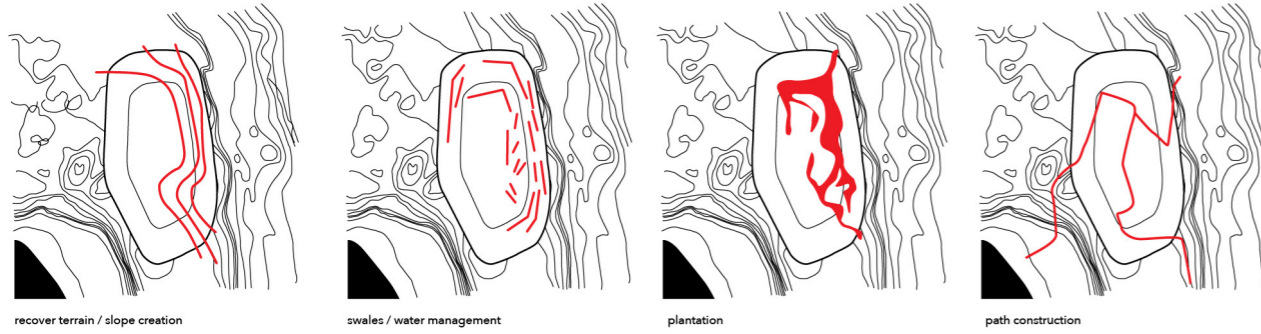


The imprints of human activity constitute a "dystopian" atmosphere and an uncanny sense emerges in space.

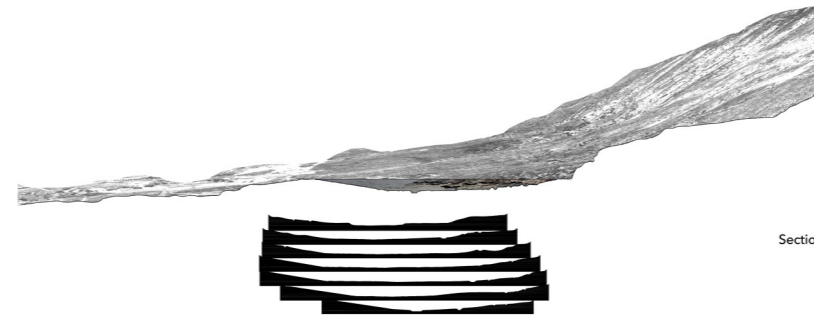
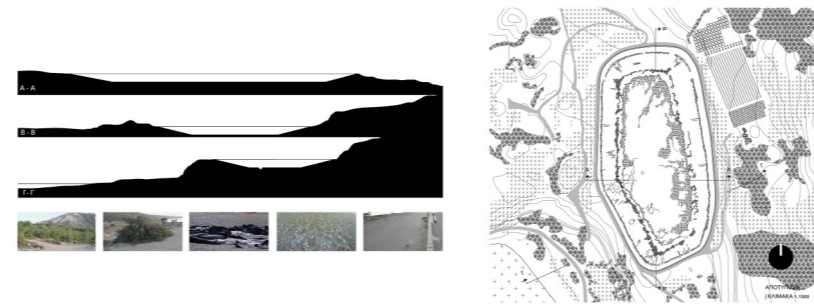
# Reservoir



## STRATEGY



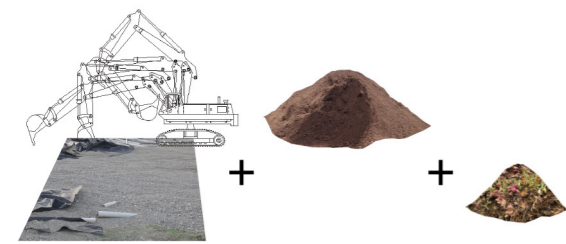
## DESIGN



## Ecosystem Activation

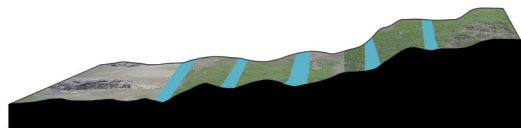


### Existing Terrain



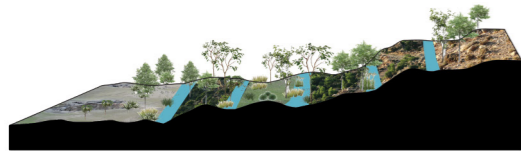
### Stage 1: Soil Preparation

- Earthworks
- a. remove membranes
- b. soil agitation
- c. soil transfer
- d. place organic matter



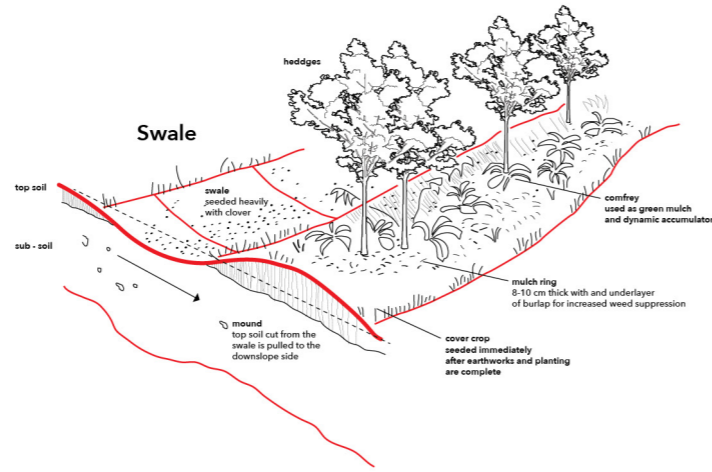
### Stage 2: Swales

- a. landform / recover slope
- b. swale / water management / soil regeneration / intensive sowing

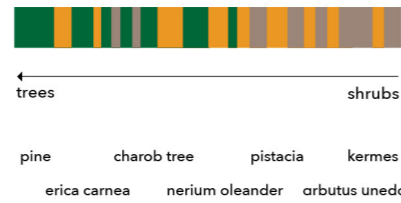


### Stage 3: Vegetation

- a. boost biodiversity / import new plants
- b. recover soil composition

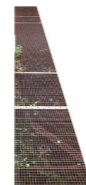


### Vegetation

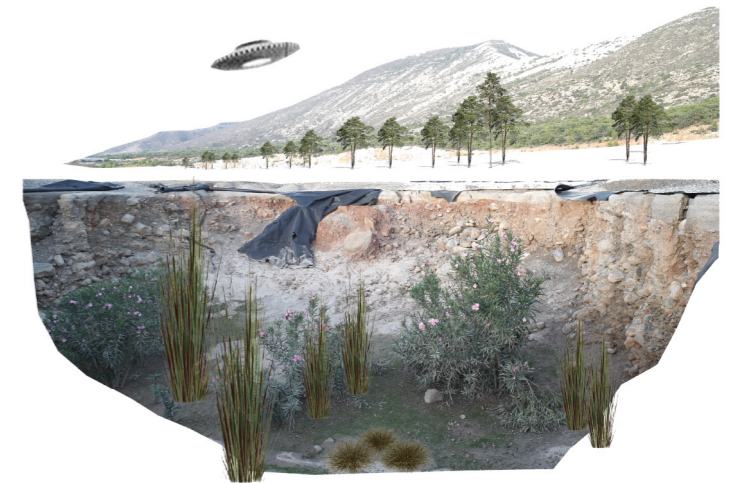
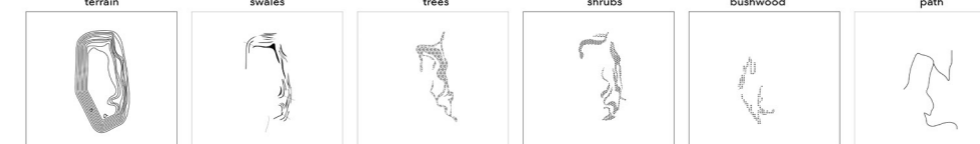
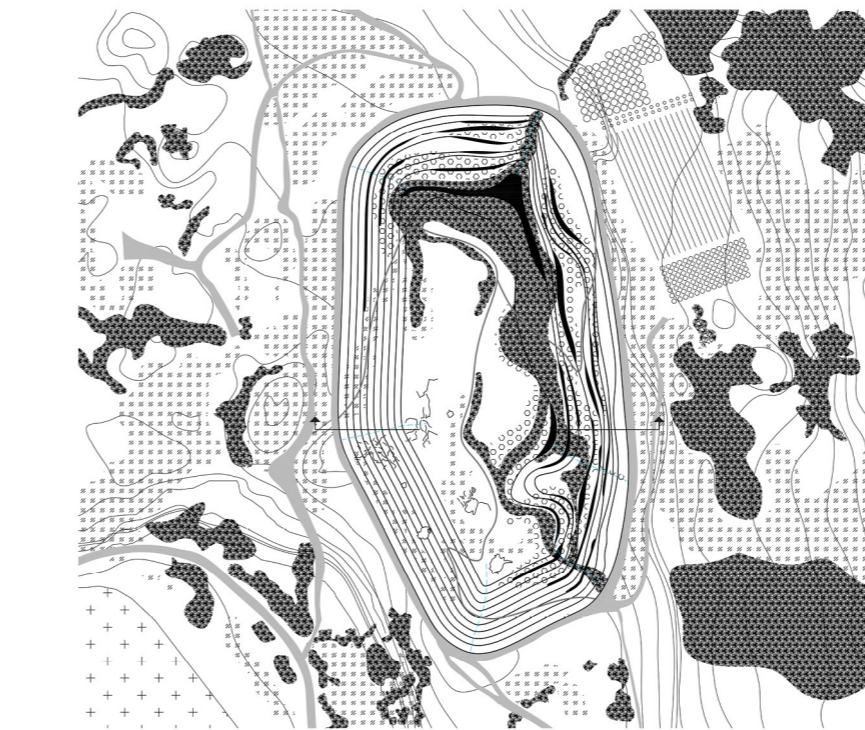
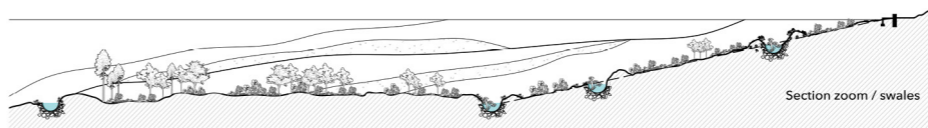


### Path

Metallic Structure



Metallic Elements





## HISTORICAL BACKGROUND

1970  
launch of gypsum industry

cessation of industrial operations due to lack of licensing

2002  
unsuccessful try to restart the operation

2010

2018  
inactive industry\_abandoned landscape

**gypsum course**

- 1.power supply
- 2.silo
- 3.management offices
- 4.rotary oven
- 5.grinding
- 6.gypsum transfer tank
- 6.conveyor belt

## DESIGN

HILL  
INVERTED PYRAMIDS  
NEW BUILDING  
TWIN BUILDINGS  
FACADE  
JETTY

## PHOTOMONTAGES

TWIN BUILDINGS

water management

HILL - INVERTED PYRAMIDS

FACADE

JETTY

## PHOTOSECTIONS