

# General Overview

Slope stabilization  
with a steep inclination



Stabilization of slopes



## Stabilization of slopes and establishment of vegetation cover on rocky slopes, in area which is prone to hurricanes.

### The challenge

Construction of a new road, with rocky embankments alongside the road, was very complicated. The slopes were covered with lot of big boulders, and the objective was to cover those slopes with vegetated soil, in order for the road to fit in with the surrounding areas. The area is prone to lot of rain, so the problem was that no material could be placed on the wet slopes without it sliding down.

## About GeoGlobe® Europe

Being aware of the geological, ecological, economic and human challenges of our century, GeoGlobe® Europe company designs and manufactures geosynthetic systems for soil stabilization and erosion control and puts its know-how and its experience in service of the Earth Stabilization.

Being dynamic, GeoGlobe® Europe consists of a team of specialists with a permanent and consistent participation in the world geosynthetic committees.

GeoGlobe® Europe continuously invests in research and development of technologies, the effectiveness of which has been proven throughout time.

Based on many years of experience in studying and realization of geosynthetic solutions applied in the infrastructure projects and terrain stabilization, we focus on the feasibility and durability of the solutions.

GeoGlobe® Europe takes care to offer today customized solutions harmoniously combining the technical performance at the level of civil engineering with the human pledge including the socio-economic development and the ecological engineering in respect to the environment for a more stable future.



### The solution

The solution was to install a layer of GeoGlobe® geocells above the slopes, and to achieve a stable solution for confinement of the soil.

### The installation process

The GeoGlobe® geocells were fixed at the top and expanded downwards very slowly, due to the steep slopes. After all the geocells were expanded and anchored, they were filled with vegetated soil.

### The results

The slopes were perfectly protected against the sliding of the soil. The installation was done within a short period. After two months the area was under heavy rain due to a hurricane, but no damage to the slope, the geocells, or the infill occurred. After a very short period the vegetation had begun to grow inside the GeoGlobe® geocells.

