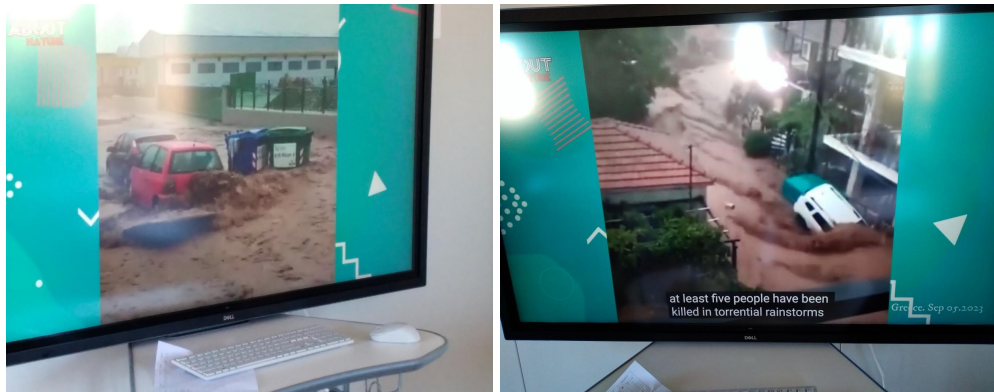


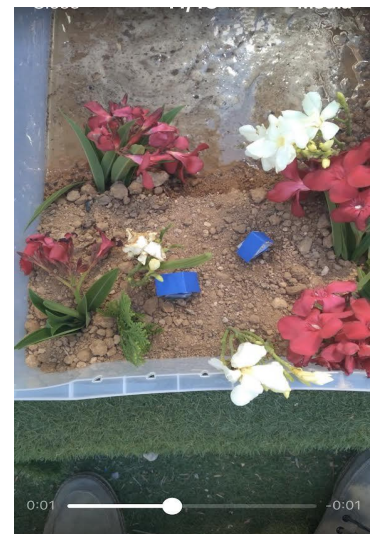
"Roots Resilience: Empowering Communities through Forest Conservation"

"Lake Karla at the north Pelion was one of the largest in Greece until it was drained, a process that was completed in 1962. Due to the bad weather "Daniel" the Pinios river is overflowing in areas near the lake.



Now Lake Carla is almost equal to the area it had before its drying up in 1962!!

The villages near the lake are facing huge problems as the water level has risen dangerously, causing houses to flood. This week we created a simulation experiment of the disaster. We constructed an ecosystem with plants, trees and houses that also contains a lake. By this simple experiment We proved that as the mud moves down the slope, houses are destroyed. By planting trees, tree roots can help hold loose soil and prevent damage."



Summary:

The recent devastating flooding caused by torrential rain has prompted our school to take proactive steps in educating and involving students in mitigating such natural disasters. Our Erasmus project, "Roots Resilience," conducted in collaboration with schools across Europe, emphasizes the pivotal role of forests and trees in preventing and minimizing the impact of flooding. The project involved 7th-grade students in scientific experiments, hands-on activities, and interdisciplinary learning to understand the significance of forest conservation in flood prevention.

Objectives:

- Educate students on the correlation between deforestation and increased flooding.
- Highlight the role of trees and forests in water absorption, soil stability, and flood prevention.
- Foster collaboration and knowledge exchange among European schools on environmental issues.

Activities

Scientific Experiments: Students conducted experiments demonstrating the water-absorbing capacity of different soil types, comparing deforested and forested areas' water retention abilities.

Field Studies: Visits to nearby forested areas allowed students to observe and analyze the ecosystem, learning about the interconnectedness of trees, soil, and water regulation.

Collaborative Research: Engaged with partner schools across Europe, exchanging data, experiences, and findings related to the impact of forests on flood prevention.

Awareness Campaigns: Students created informative posters, videos, and presentations to raise awareness within the school and local community about the vital role of forests in flood prevention.

Outcomes:

- Increased awareness among students about the importance of forests in preventing floods.
- Enhanced scientific knowledge and research skills among participants.
- Strengthened collaboration between European schools on environmental issues.
- Raised community awareness and engagement in forest conservation and environmental protection.