

# Hybland

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## Ploutarchos Tzampoglou

### What is your project about and why is it important for the advancement of science?

The “Hybland” project will develop a novel method for the construction of landslide susceptibility and hazard maps using as testbed the Paphos District. The methodology will be based on the use of classical geotechnical research and modern Earth Observation technologies in a combination of multimodal determinist and Machine Learning approaches. The produced maps will identify with high reliability the areas which are susceptible to landslides, something which will be of high importance to all.

### Why is your project important for society? Have you planned any public engagement activities for those interested to learn more?

The project will help decision-makers take the most suitable preventive measures and management actions to protect the built environment and to secure sustainable urban development.

To enhance awareness on landslides and promote scientific advancement, we will have a project website and scientific pages on social media such as Facebook, LinkedIn, etc.

To further communicate the impact of the research we will organize a workshop and participate in the European Researchers' Night. A series of short

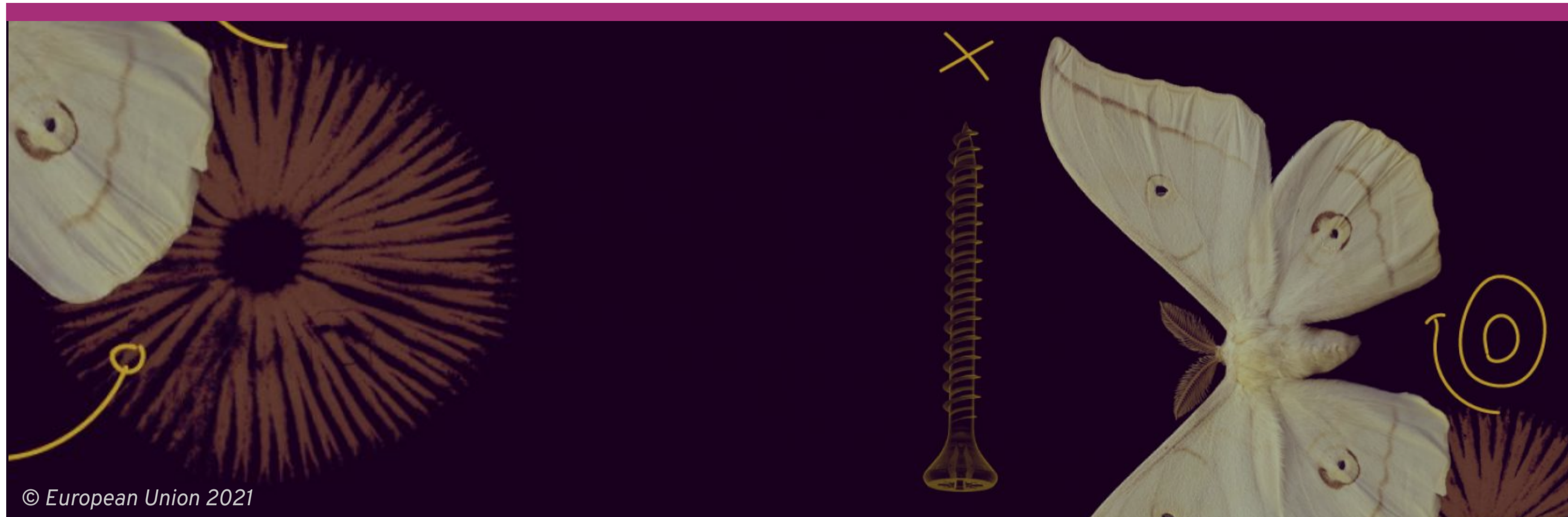


lectures will also be delivered during geotechnical courses at UCY. During these engagements we will present the scientific challenges, approaches and major findings of the research, and encourage young people to engage in related research projects.

## HYBLAND

### What kind of support did you get, and what materials did you use during the application process?

In the beginning, I was hesitant to participate as I had read that the process is very competitive and the chances to get funded were not great. However, I knew I had a well-structured idea and, thanks to the guidance and coaching received from my supervisor at the time Dr. Loukidis, and his faith in my capabilities, I decided to apply.



***“The most helpful guidance was received during the workshop organized by the MSCA NCPs at the RIF, and the tips and suggestions received from the RIF team.”***

I searched the internet and looked at previous successful proposals to get guidance on how to draft and structure the proposal. The most helpful guidance was however received during the workshop organized by RIF and the tips and suggestions received from RIF team. After that workshop I had a complete picture of how to present my idea and structure a successful proposal.

#### **Why did you choose Cyprus as a host country?**

Cyprus has been significantly affected by landslides due to its geological conditions, mountainous geomorphology, heavy rainfalls and high seismicity. Specifically, more than 1842 landslides have been recorded in Paphos and Limassol District causing extensive damage to the built environment. Therefore, due to the large density of landslides and availability of relevant raw data, Cyprus offers an ideal test site for achieving the scientific goal of this project.

#### **How did you find your host organisation?**

I discovered Geolmaging Ltd through an extensive internet search. The company specializes in this field and has a wide portfolio of European co-funded projects. Following initial discussions with them I was impressed by their impeccable professionalism and knew they were the right host for this project.

#### **What tips can you give other researchers who would like to apply for MSCA?**

In my view, three critical tips: find an original and clever idea in which they strongly believe. Choose the best possible partners to implement this idea is equally important and seek help and guidance from the Research and Innovation Foundation team and follow their guidance faithfully. My last advice is to pursue the proposal with passion and stubbornness and even if they fail the first time, to never give up. Successful is the one who, no matter how many times they fall, gets up one more time.

**Project:** Development of a hybrid methodology for the susceptibility and hazard analysis of landslides  
**Start date:** 18 Apr 2022 - **End date:** 17 April 2024

**Topic:** H2020-MSCA-IF-2020

**Grant agreement ID:** 101027880

**Coordinated by:** Geolmaging Limited

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