



Measuring today to
protect tomorrow



SUMMARY

RO-GEO4HUMANITY is a project conceived to **create awareness on the power of education in Earth Sciences** to build disaster resilience and achieve sustainable development goals (SDG-UN).

RO-GEO4HUMANITY is an accelerated educational program designed to provide necessary know-how for a target group of students and early-careers who want to embrace a career in **Earth Sciences** and guide them to achieve technical competencies for career perspectives in **ensuring security and peace around the globe**.

The focus is to enhance their **knowledge and practical skills** in specific subjects related to **hazard** signal detection and hazardous source location choosing to fill a gap in the traditional curricula of Earth Sciences and train them to provide critical services such as:

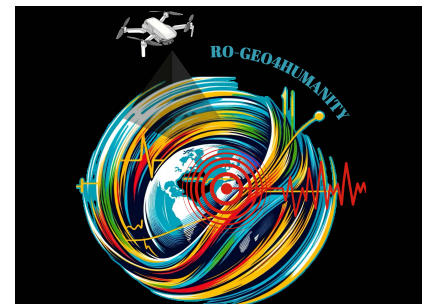
- Identifying the signals of illicit usage or tests of weapons of mass destruction such as nuclear bombs and locating the source
- Detection of buried unexploded ammunition and mines by combining cutting-edge technology of airborne (UVAs) and ground detection methodologies

At the same time, the project will focus on:

- Creating awareness about the risk posed by contaminated lands following war actions
- Understanding the necessity of highly skilled human resources to provide support for humanitarian action in areas threatened by the buried unexploded ordinances (UXO)
- Education in emergencies and conflict areas

AGENDA of the project INCLUDES

1. Technical skills development through workshops
2. Practical skills development by simulating real-case scenarios using cutting-edge technology for detection and data analysis
3. Communication actions at national and international level





Listening to the planet's
pulse to protect life



Project Implementation & Partners

„Geophysics for Civil Protection & Sustaining Humanitarian Aid Operations” (RO-GEO4HUMANITY) is a project awarded by the prestigious [Society of Exploration Geophysicists](#), Tulsa, OK, USA.

The project is coordinated by the consortium of the [Romanian Society of Applied Geophysics](#), the Faculty of Geology and Geophysics of the [University of Bucharest](#) and the [Student Chapter of SEG](#).

Project Partners through whose support the technology and technical know-how will be ensured are:

Romanian National Institute for Research and Development for Marine Geology and Geoecology – GeoEcoMar, Romanian National Institute of Earth Physics, Institute of Geodynamics of the Romanian Academy, Aerial Force Academy of Brasov, GeoSphere-Austria, GeoKit Green Solutions.

Project trainers are from Romania, Serbia, Greece, Germany and Austria.

Today, we find ourselves in a situation of a growing threat to peace, with countries in which armed conflicts affect civilians by tearing apart communities, civilian infrastructure, and livelihoods and with many countries where the educational process does not include the preparation of earth science specialists to fulfill the roles of civil protection and support in humanitarian aid operations.

RO-GEO4HUMANITY is a project that can develop beyond the initial plan if great people such as you decide to get involved. Any support is valuable in achieving the proposed objectives on all axes of the project and any new ideas are welcomed.

Join the team or be part of the project!

Contact us: 0748025550 or florina.tuluca@unibuc.ro

Florina Tuluca, Project Coordinator

