

«Geology for the Blind and the Visually Impaired – G4ViD»

Co-funded by the
Erasmus+ Programme
of the European Union



G4ViD SCOPE

G4ViD is a project that aims to provide students and educators, with special emphasis on the disabled and the visually impaired, the opportunity to enjoy the experience of Geoparks and introduce them to the Earth Sciences. The project also aims to provide the educational tools (maps and interactive audio-visual content) that will be developed for a remote understanding of the Geoparks for schools, teachers, and students as well as easier navigation for people with disabilities in real visits. Our main task in this project is to develop two applications and one interactive website related to Geology and Geoparks for the visually impaired and the disabled, as well as the general public.

National Agency IKY
Project: 2020-1-EL01-KA201-079157
Start date: 1 September 2020
End date: 31 August 2023

Coordinator of the project:
University of Patras
Dr. Ioannis Gialelis
More information:
www.g4vid.eu



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS



ΕΙΔΙΚΟ ΣΧΟΛΕΙΟ ΠΑΙΔΙΚΟΥ ΑΝΑΡΡΩΤΗΡΙΟΥ
ΕΡΥΘΡΟΥ ΣΤΑΥΡΟΥ

G4ViD CONSORTIUM

- ✓ OPENCOM I.S.S.C - Italy
www.opencom-italy.org
- ✓ CEIP La Jara - Spain
sites.google.com/site/ceiplajarasa/nlucar
- ✓ Natural History Museum of the Lesvos Petrified Forest
www.petrifiedforest.gr
- ✓ Liepājas Neredzīgo biedrība - Latvia
www.redzigaismu.lv
- ✓ Special School for Children Red Cross Cyprus
eid-paidiko-anarrotirio-lem.schools.ac.cy
- ✓ University of Patras - Greece
www.upatras.gr

G4ViD PRODUCTS

The basis of the main intellectual outputs will be the construction of a **database** that will contain all necessary data and content that will be used for the implementation of all the intellectual outputs. The **Aural Software for the visually impaired** will transform geopark images into audible information for individuals who are visually impaired but can also be used for the richer experience of visitors with no visual impairment or the simultaneous use of impaired and non-impaired. Audible information will also include spoken dialog with descriptions and narrations about the geoparks. The functions of the **Navigation Software** will include special functionality that aims at providing an easy and effective visiting experience for people who are visually impaired or disabled but will also be usable for people with no disability. A publicly accessible Website will be created which will include the information gathered including maps of the geoparks.

G4ViD IMPACT

The impact for participating organizations is significant. Regarding schools, it will be beneficial to discover geological treasures and Geoparks near their areas. Teachers can construct educational scenarios and activities and thus teach geology, biology and Science in general, in an actual setting. Teachers can therefore better engage students. The project will have a significant impact for the society in general and stakeholders that include people with disabilities of all kinds. Additionally, as far as Geoparks are concerned, this project will help them reach more visitors, especially students and teachers engaged into educational activities. Also, visits to Geoparks will be transformed to become more dynamic, that can be enriched by visitors' trigger to upload images from spots of interest using the developed apps. Geoparks are huge open-air areas where visitors can lose themselves, or even more often miss spots of high interest, as viewpoints, natural history monuments, plants and trees of biological interest etc. transnational mobility between the sectors concerned and to provide transversal skills, as well as career guidance, career management skills and access to the labor market, thus improving the possibility of long-term employment.

G4ViD ACTIVITIES

The objectives of the project will be achieved through the following activities:

- Three transnational project meetings to be held at the headquarters of the Partner Coordinator, University of Patras (2) and the Museum of the Petrified Forest of Lesvos.
- Four educational exchanges of students and teachers in Spain, Latvia, Cyprus and Italy.
- Two participations in innovation and technology exhibitions where the results of the project will be presented.
- One short training curriculum Cyprus.
- Two dissemination events in Italy and Greece.
- A closure conference to disseminate the project's results and technical works to the project's themes.

