

Newsletter 1
December 2019

ENVIRONMENTAL EDUCATION THROUGH ROADKILL OBSERVATION SYSTEMS

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About EnVeROS

EnVeROS (Environmental Education through Roadkill Observation Systems) is an **Erasmus+ KA2 funded educational project**.

The goals of EnVeROS are to:

- ⇒ Raise public awareness and educate about **Wildlife Vehicle Collisions (WVC)** in Cyprus, Czech Republic and the Autonomous Province of Bolzano/Bozen (Northern Italy).
- ⇒ Develop e-learning material to increase public knowledge about the local environment, **the roadkill issue** and road safety.
- ⇒ Create a web map and mobile app. in order to actively involve citizens in Roadkill data collection through a **citizens science** approach.

The Roadkill Issue

- ⇒ **Roadkill** is defined as the remains of an animal (or animals) killed on the road by motor vehicles.
- ⇒ Roadkills are a serious environmental, socio - economic, health and traffic issue all over the World.
- ⇒ It is responsible for killing thousands and injuring tens of thousands of people annually throughout the world.
- ⇒ It is estimated that all over Europe 10 to 100 million birds and mammals are killed in traffic accidents each year.
- ⇒ Awareness raising to the public and capacity building to the government agencies is essential for roadkills mitigation.

1. Intellectual Output (IO) 1 - WVC Framework Analysis

The aims of the IO1 in EnVeROS were to:

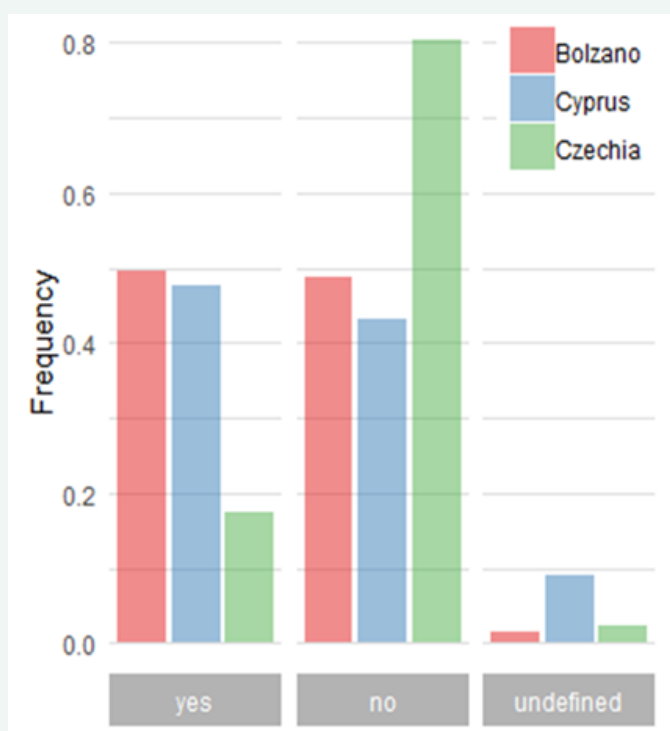
- 1) give a brief overview over the WVC topic in Europe,
- 2) briefly present the current magnitude and trend for WVCs in Europe, summarizing all the available information in a way that can be used for educational purposes,
- 3) bringing an overview of the current online WVC initiatives and Roadkill Observation Systems (ROS) along with the existing mitigation practices in Europe and worldwide,
- 4) provide detailed information for Cyprus, Czech Republic and Italy, where the EnVeROS partners are located,
- 5) present mitigation measures that are implemented,
- 6) overview pedagogical aspects, successful practices and case studies regarding WVCs,
- 7) examine the citizens' awareness of WVCs impact on biodiversity, society and economy.

This report could be used as an educational tool, regarding the issue of WVCs. Accordingly, it could be used by citizens, teachers and public authorities in order to raise people's awareness on this issue. It could also be used to support, through scientific information and updated data, local authorities in managing WVCs and implementing the most efficient mitigation strategies.

Access to the report: <http://www.enveros.eu/?wpdmpo=enveros-framework-analysis-report>

A summary is provided in the Layman's Booklet (available in EN, GR, CZ, GER, IT)

<http://www.enveros.eu/?wpdmpo=enveros-layman-booklet>



A questionnaire survey was also conducted (targeting experts and public) on the roadkills issue in the project regions. The main findings are:

- All (experts and public) have seen road-kills.
- Speed and careless driving are mentioned as key factors for roadkills by experts.
- Lack of knowhow, cooperation issues and increased costs are named as factors that impede mitigation measures adoption.
- The public is not aware of the possibility of supporting via Citizens Science.
- < 50% of the citizens are interested to participate in data collection (Fig 1).

Figure 1. The answers to the question: *Would you be interested to participate in a data collection scheme based on Citizens Science?*

2. IO2 - the EnVeROS e-course.

The project partners developed a WVC e-learning course (Fig 2) which is available in all partner's official languages (Greek, Italian, Czech, German) and English. A draft version was uploaded to the web platform and feedback was collected via a questionnaire.

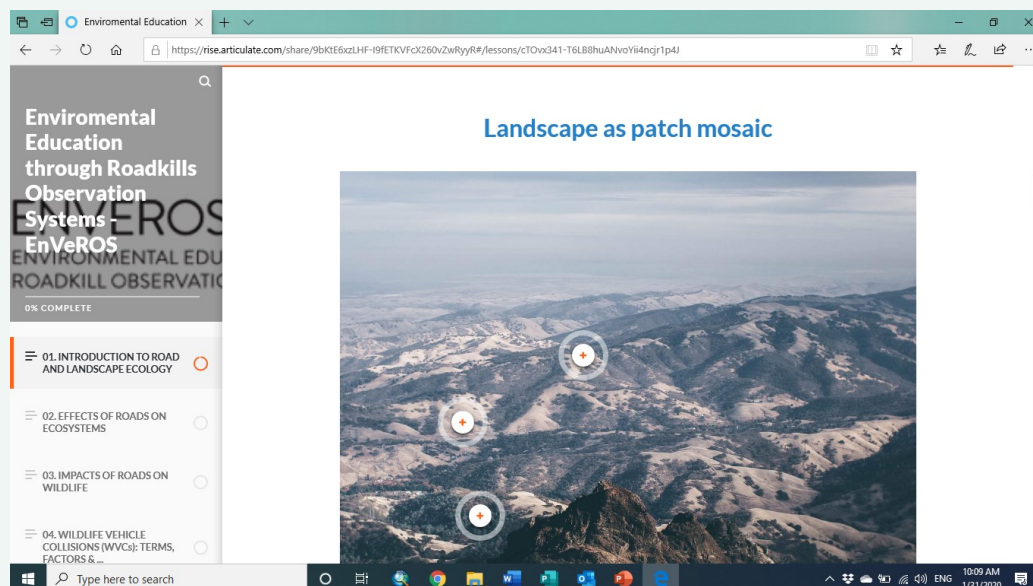


Figure 2. Screenshot of a presentation for the e-course. The draft material is available in http://www.enveros.eu/?page_id=59

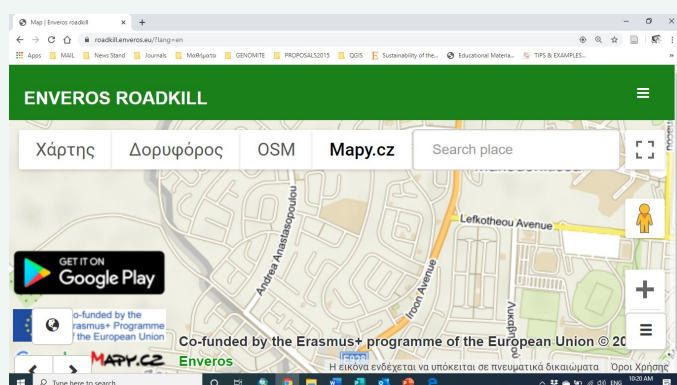
3. IO3 - Educational activities for WVCs

In the IO3, educational activities related to the roadkills issue are being developed and tested during the multiplier events as well as the presence of the project in “big events” (e.g. Researchers Night, Nicosia 2019; Fig 3). The educational activities target to primary, secondary education as well as vocational training.



Figure 3. The “Game” presented in Researchers night.

4. IO4 - App EnVeROS



A WVC Online Platform and Mobile Application (Fig 4) was developed to:

- help fill the information gaps about roadkill.
- identify safer traffic solutions for people and wildlife.
- offer users a platform where they can report animal-vehicle collisions or dead animals.
- better understand the patterns and circumstances behind WVCs.

Figure 4. Screenshot of the web map. <https://www.roadkill.enveros.eu/?lang=en>

5. Joined Staff Training and Multiplier Events



Photo: Joint Staff Training in Brno, Czech Rep. (2019)

JOINT STAFF TRAINING EVENTS

- Brno June 2019

MULTIPLIER EVENTS

- Nicosia May 2019
- Brno November 2019
- Bolzano December 2019



Photo: Multiplier event in Nicosia, Cyprus (2019)



Photo: Multiplier event in Brno, Czech Rep. (2019)



Photo: Multiplier event in Bolzano, Italy (2019)

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