

LIFE GreenYourRoute

A European innovative logistic platform for last mile delivery of goods in urban environment

Dr. Georgios K.D. Saharidis
Assistant Professor
Department of Mechanical Engineering
University of Thessaly
Greece



GreenYourRoute

PROJECT LOCATION: Greece, Czech Republic, Italy

BUDGET INFO: Total amount: €2,191,237, % EC Co-funding: 60%

DURATION: Start: 01/09/18 - End: 28/02/22

Coordinating Beneficiary:

University of Thessaly, Greece

Associated Beneficiaries:

Athinaiki Metaforiki S.A., Greece

Central European Data Agency, a.s., Czech Republic

CHAPS spol. s.r.o., Czech Republic

Itaca S.R.L., Italy

Militos Consulting S.A., Greece

Koukouzelis O.E., Greece

Plus Metaforiki, Greece

GreenYourRoute

Scope: LIFE GreenYourRoute (LIFE GYR) is an innovative logistics platform for last mile delivery of goods in urban environments developed within a multidisciplinary approach of environmental engineering, computer science and operation research.

Objectives:

Reduce GHG and non-GHG emissions, by solving Green-VRPs;

Demonstrate that environmental friendly routing is also cost-saving;

Establish a sustainable GYR Company, also providing a GYR certificate and special prices to customers that apply green procurement approaches to urban mobility;

Develop a significant network of customers for GYR Company in EU through regular dissemination activities and workshops;

Organize workshops and webinars that bring together SMEs and scientists around the issue of sustainable urban mobility;

Systematically monitor the environmental impact of the 5 demonstrators in 3 different EU countries that participate in the project.

GreenYourRoute

EXPECTED IMPACTS

- Yearly emission savings of routing operations of 5 demonstrators equal to: 42.255tn NO_x, 4.632tn of PM, 73.133tn of CO, 1.869tn of NH₃, 8,885.697tn of CO₂, 8.939tn of CH₄, 10.564tn of VOC and 8.129tn of SO₂;
- LIFE GYR integration to at least 3 additional SMEs;
- GYR platform verification, development of GYR certificate;
- More than 900 representatives of SMEs and more than 3,000 individuals informed about the benefits of GYR platform;
- Raise awareness of the fact that turning to green freight operations does not necessarily increase the cost of operations.

GreenYourRoute

POLICY IMPLICATIONS

Goals: Updating existing EU legislation with a directive for green vehicle routing planning.

Contribution:

Integration of approaches to the implementation of Air quality legislation by developing web and mobile apps for green vehicle routing of SMEs in urban regions;

Facilitation of compliance with Union air quality and related air emissions standards including the National Emissions Ceilings Directive by reducing the production of non-GHG and GHG emissions in urban regions;

Assisting SMEs to turn environmental challenges into opportunities in accordance with the Small Business Act for Europe ;

Helping drivers to better organize their working time as specified in the Road Transport Working Time Directive;

Optimal use of road, traffic and travel data according to the Directive 2010/40/EU regarding ITS applications and services in the field of road transport.

GreenYourRoute

Means to support the above actions


Verification plan for the European environmental technology verification (ETV) of GYR service;

Replicability and transferability plan for the promotion of GYR service;

Business plan for the operation of GYR Company;




After-life communication plan, including activities for at least 3 years after the end of the project.

GreenYourRoute



test_user

[Sign in](#) [Forgot your password?](#)

   With the contribution of the LIFE programme of the European Union - LIFE17 ENV/GR/000215 and the co-financing of Green Fund, Greece



Project co-funded by LIFE, the EU financial instrument for the environment
LIFE17 ENV/GR/000215