

ISSUE 03

ZEFFIROS

PROJECT NEWSLETTER

Interreg - IPA CBC



CCI 2014 TC 16 I5CB 009

ZEFFIROS



ZERO-WASTE ENERGY-EFFICIENT AGRICULTURAL COMMUNITIES IN THE GREECE - REPUBLIC OF NORTH MACEDONIA CROSS-BORDER AREA

IN THIS ISSUE

PG. 2

Cross-border area municipal waste management activity

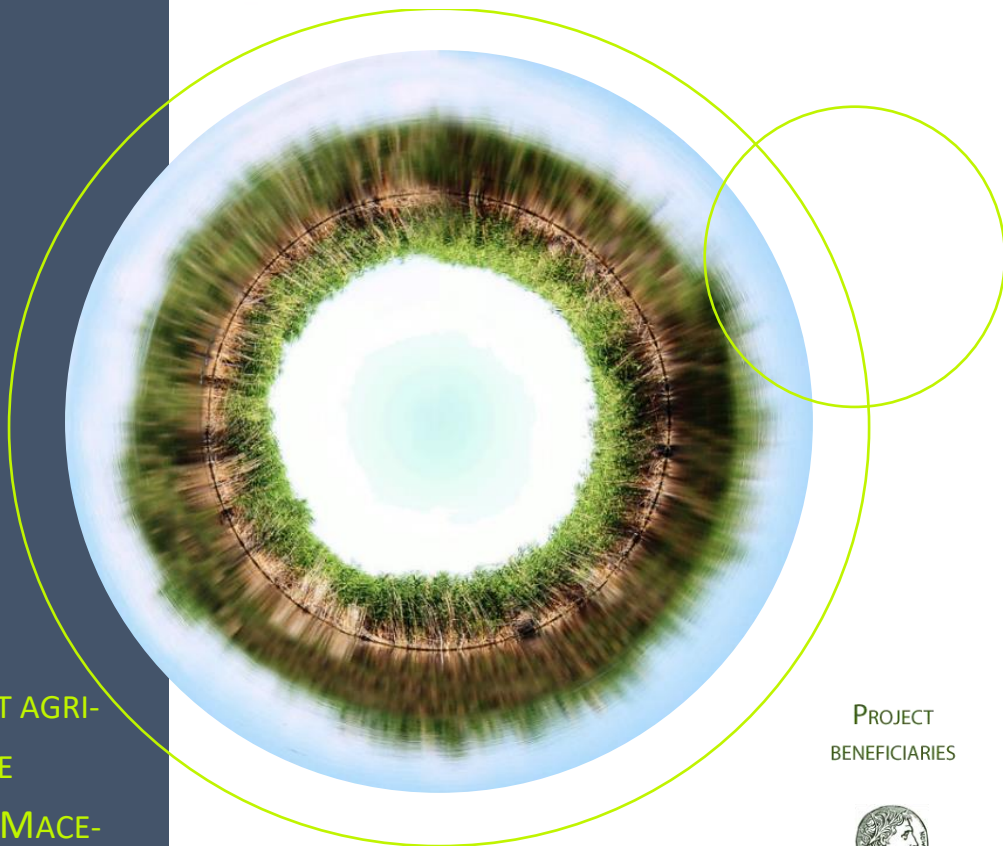
PG. 3

New features in ZEFFIROS website

PG. 4

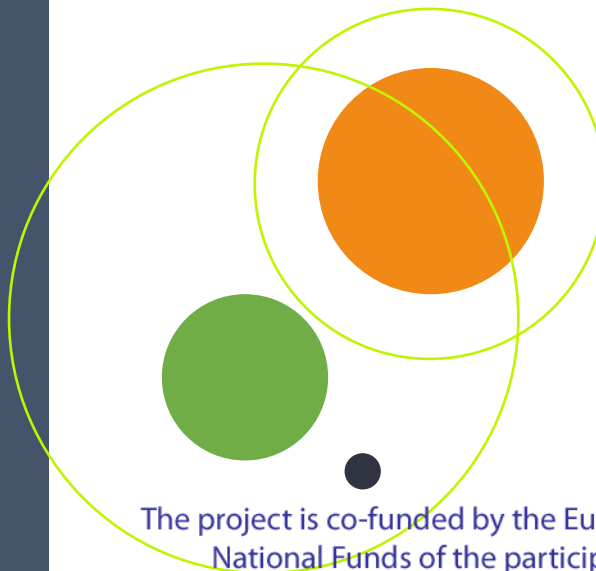
ZEFFIROS in events & social media

The views expressed in this publication do not necessarily reflect the views of the European Union, the participating countries and the Managing Authority



Find out more at

www.zeffirosproject.eu



PROJECT
BENEFICIARIES



ARISTOTLE UNIVERSITY
OF THESSALONIKI



SLAUGHTERHOUSE MUNICIPALITY
OF STRYMONA O.L.G. S.A.

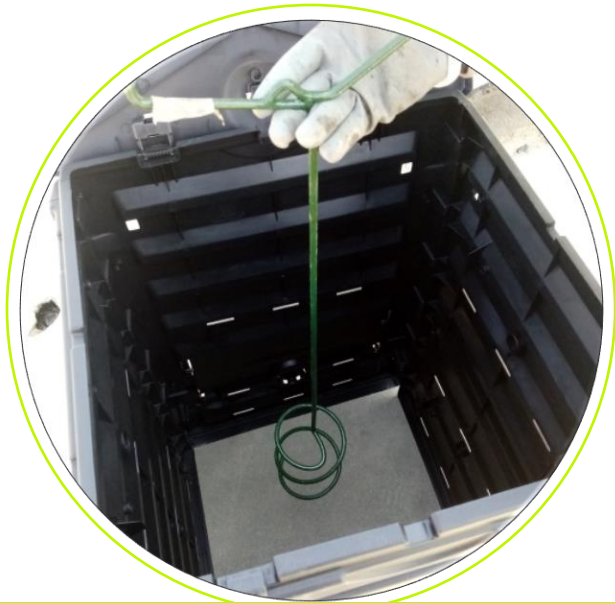


MUNICIPALITY
OF DOJRAN



MUNICIPAL PRIMARY SCHOOL
"KOCO RACIN" DOJRAN

The project is co-funded by the European Union and by
National Funds of the participating countries



SERRES AND SOCIAL COMPOSTING

80 new compost bins with a capacity of 300 lt each, will be distributed to interested households of the Municipality Serres. The relevant public procurement process was recently finalized and reinforces the municipal home composting programme for the diversion of the biodegradable fraction of waste (organic waste and garden plant residues) from landfill. Purchase of the compost bins was funded by ZEFFIROS.

A relevant open call for expressions of interest will be soon launched and be accessible via the website of the Municipality of Serres (<https://www.serres.gr/>). After expressions of interest are received, the cleaning department of the municipality will process their data and proceed to distribution of the bins to selected households. Implementation of the programme has a pilot nature and will include the monitoring of the bins' usage in terms of annual quantities of biowaste leading to compost production and annual quantities of compost produced. Each compost bin will be accompanied by a special agitation / aeration tool, 1 Kg pack of CaO powder to act as a pH stabilizer, and by instruction booklets with respect to assembly and the composting process.

Ultimate target is the promotion of home composting for the drastic reduction of production of organic waste at source, reducing thus the load of organic waste currently directed to landfill. Stabilized compost of high nutritional value to be produced will be used to the benefit of municipal gardens.

DOJARAN & WASTE MANAGEMENT

Municipality of Dojran finalized the procedures of a public procurement for the supply of equipment for the separation of collected waste as part of its activities within ZEFFIROS.

The equipment includes:

- Vehicle with capacity of 7 m³ for waste collection and transportation of solid waste with hydraulic system for the manipulation of waste bins and containers.
- Waste bins and containers involving small (120 lt) and mid-sized (1.000 lt) bins for inorganic waste, small (120 lt) and mid-sized (1.000 lt) bins for organic waste, large (5 m³) containers with capacity 5 m³ with cover, for paper, metals/cans and plastics separated collection respectively, and (250 lt) compost bins.

Based on this equipment, relevant planned activities will benefit the local society from the avoidance of large quantities of waste currently massively landfilled. The equipment will also enable structured transportation of waste streams from remote areas with difficult access and will open-up possibilities for re-use to set the basis of a circular economy in the local community.





ONLINE CMS AND E-LEARNING

ZEFFIROS website has two new entries. As the project has the objective to stimulate stakeholders, including the society, in the cross-border GR-MK area to start thinking and acting circular, those entries are focused on educating citizens, professionals and agri-food business owners as well as on facilitating any other relevant stakeholder to network with candidate providers of biowaste streams within the area.

The new “e-Learning” entry includes easy to understand modules and presentations covering a wide range of applicable aspects towards the formulation of a local biowaste-based circular economy. Main topics analysed are the foundations of a circular economy, how a biogas plant is set and managed, how composting and municipal waste management are involved in the circular economy and how a legal framework could support biowaste-based locally collaborative business schemes. ([https:// www.zeffiros-project.eu/e-learning](https://www.zeffiros-project.eu/e-learning))

The new “Online CMS” entry is a tool to locate biowaste providers in the GR-MK cross-border area. Their names and contact details are labelled under pins on map, coloured according to the stream provided. The tool facilitates networking within stakeholders interested to exploit the local biogas cycle. (<https://www.zeffirosproject.eu/online-cms>)

Tools for education
and networking fa-
cilitation set the
grounds for a local
Agri-based circular
economy

ZEFFIROS IN EVENTS & SOCIAL MEDIA

ZEFFIROS at the 12th National conference on Renewable Energy Sources

On April 8th, 2021, Dr. Christos Vlachocostas, Associate professor, and member of the ZEFFIROS team, presented part of the work carried-out during the ZEFFIROS project in the 12th National conference on Renewable Energy Sources, organized by the Solar Technology Institute and the School of Mechanical Engineering of the Aristotle University of Thessaloniki. In his speech, Dr Vlachocostas analysed the methodology used for siting a biogas plant, the technology applied and how its capacity is calculated with the aim of maximizing the use of agricultural and food waste in the GR-MK cross-border area. 70 participants attended the presentation online while the corresponding paper in Greek is included in the conference proceedings available at: (<https://solarinstitute.gr/en/news/>).

3rd online ZEFFIROS project meeting

The 3rd ZEFFIROS project meeting was held online due to the COVID-19 restrictions. The meeting took place on April 22nd, 2021 and was organised by the municipal slaughterhouse of Strymona (SFADIS S.A.). The meeting was attended by 13 participants from both countries, representatives of the Project Beneficiaries and experts. During the meeting, the participants discussed the progress on the work plan and articulated an action plan for the next period. Emphasis was put on discussing ways to expedite the successful conclusion of the public procurement processes for the construction of a pilot biogas plant within the Municipality of Serres as well as on planning the awareness raising and capacity building workshops taking into account the difficulties faced due to the pandemic.

ZEFFIROS in the social media

ZEFFIROS possesses two new social media profiles in LinkedIn (<https://www.linkedin.com/company/zeffiros/>) and Facebook (<https://www.facebook.com/zeffiros.interreg>). Activities, milestones, and stories relevant to ZEFFIROS objectives are posted regularly. The profiles will be the major instruments to support the dissemination of ZEFFIROS results and the organization and publicity of the forthcoming capacity building workshops.