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Υποπρόγραμμα Περιβάλλον

Τομέας Προτεραιότητας:

Περιβάλλον και αποδοτικότητα πόρων

Δρ. Ολυμπία Νησιφόρου
Εμπειρογνώμονας σε Θέματα Περιβάλλοντος
και Αποδοτικής Χρήσης Πόρων

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25 Απριλίου, 2018, ΟΕΒ , Λευκωσία



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ΤΜΗΜΑ
ΠΕΡΙΒΑΛΛΟΝΤΟΣ

Περιεχόμενα

1. Current situation of the environment and natural resources Υποprogramma Environment Themes – examples of Eligible Project categories LIFE eligibility and award Criteria



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Σημερινή Κατάσταση του Περιβάλλοντος και των Φυσικών Πόρων



Imperative for solution

- Fines from the European Union businesses that need immediate solutions innovative ideas-Financing?



Προσωπικό

Εθνικό

Ευρωπαϊκό

Υποprogramma Environment

Priority areas a. Environment and resource efficiency 5 thematic areas b. Environmental governance and information c. Nature and biodiversity

Άρθρα 9 έως 12 του κανονισμού LIFE

A. Environment and resource efficiency Themes

- I. Water, including the marine environment, Waste Efficiency of resources, including land and forests, green and circular economy Environment and health, including chemicals and noise Quality of air emissions, including the urban environment

I. Νερό - Παράδειγμα



WATER - Strengthening the scientific foundation of water quality programs
LIFE08 ENV/CY/000460

[PROJECT DESCRIPTION](#) [ENVIRONMENTAL ISSUES](#) [BENEFICIARIES](#) [ADMINISTRATIVE DATA](#) [READ MORE](#) [PRINT](#) [PDF VERSION](#)

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PROJECT DESCRIPTION:

BACKGROUND

Water systems in Cyprus are under increasing pressure from human activity, and changing weather patterns and hydrological conditions. The availability of water has been in recent years the most pressing issue because of the ongoing drought, while urban non-point pollution has been one of the main sources of pressure. The project area, Kalo Horio catchment, drains into the two Larnaca salt lakes, which form Natura 2000 site. The lakes are the second largest in size and importance in Cyprus after the Akrotiri salt lake in Limassol. Despite its ecological importance, the site is under severe pressure from human activities, such as industrial pollution from the Aradipou industrial zone, non-point pollution from agricultural and farming activities, the Larnaca airport and the Larnaca Sewage Treatment Plant.

<http://www.life-water.eu/project>




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II. Απόβλητα - Παράδειγμα




DAIRIUS - Sustainable management via energy exploitation of end-of-life dairy products in Cyprus
LIFE10 ENV/CY/000721



PROJECT DESCRIPTION ENVIRONMENTAL ISSUES BENEFICIARIES ADMINISTRATIVE DATA READ MORE PRINT PDF VERSION

CONTACT DETAILS:

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PROJECT DESCRIPTION:

BACKGROUND

Agro-industries are major contributors to industrial pollution and Cyprus is no exception to the rule. These industries, which process agricultural raw materials such as milk, fruits, vegetables and meat, generate millions of tonnes of waste and unexploited by-products that end up harming the environment. The production of milk and dairy products in Cyprus and the rest of Europe has increased significantly during recent years and this has resulted in larger amounts of non-consumed, returned and expired products - and milk products in particular. Most of these end up in landfills contributing to hazardous leachate generation and uncontrolled gaseous emissions. Landfilling of these products does not comply with the EU Landfill directive (1999/31), which imposes strict limits for the disposal of biodegradable wastes. Thus, there is a clear need for the dairy industry to develop sustainable management and treatment strategies for the ever increasing quantities of expired products. Anaerobic digestion of milk products and simultaneous methane recovery as a clean renewable energy source can be a highly sustainable solution for expired milk products with environmental, financial and social benefits. Although this process is state-of-the-art in the treatment of sewage sludge and industrial wastewater, very few applications can be found for the treatment of expired products themselves.

OBJECTIVES

The DAIRIUS project's overall objective is to demonstrate an environmentally and financially sustainable solution for the management and treatment of returned Expired Dairy Products (EDP). It aims to achieve this through the development and testing of a two-phase anaerobic co-digestion process of EDP with other substrates. The project will analyse the specific details of the EDP generation by the dairy industry in Cyprus.

<http://www.dairiusproject.com/>



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III. Αποδοτικότητα πόρων – Παράδειγμα



The banner features the Life logo in the top left and right corners. On the left is a map of Europe with Spain highlighted in green. The central text reads: "LIFETEC - Fighting Forest Fires Using Electronic and Communication Technologies: LIFETEC" and "LIFE16 ENV/ES/000559".

[PROJECT DESCRIPTION](#) [ENVIRONMENTAL ISSUES](#) [BENEFICIARIES](#) [ADMINISTRATIVE DATA](#) [PRINT](#) [PDF VERSION](#)

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PROJECT DESCRIPTION:

BACKGROUND

Forest fires can cause significant damage that reduces the resilience of ecosystems. Impacts include changes in biodiversity and loss of connectivity, effects on soil and water, air pollution, and economic losses.

Some 80% of forest fires in Europe occur in Spain, Portugal, Italy, Greece and France [Forest Fires in Europe 2014, European Commission]. Data shows that Spain had the most fires and the largest burnt area. Over half of the forest fires in Spain occurred in the north-west of the country.

The 1992 EU Regulation on the protection of forests against fire led to the establishment of the European Forest Fire Information System (EFFIS). In the fight against forest fires, early detection is critical for reducing response times, along with improved communication and coordination. The response time is directly related to the final burned area. Improving EFFIS will produce a more efficient tool for assessing measures to protect against forest fires and to better understand their causes.

At national level, state and regional prevention and defence plans against forest fires are aimed at minimising their environmental, social and

<http://lifetec.uvigo.es/>



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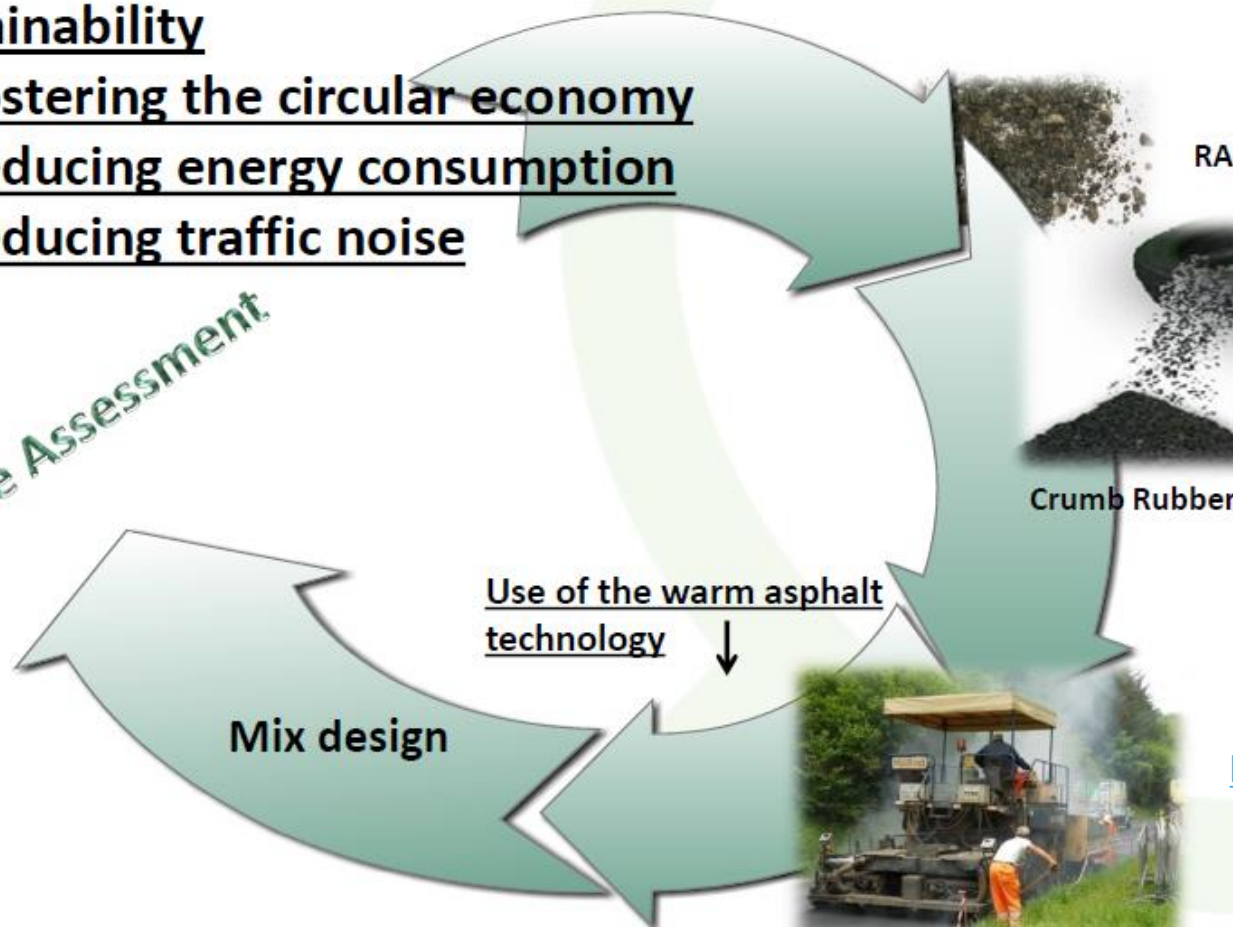
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IV. Περιβάλλον, υγεία, χημικές ουσίες, θόρυβος

Παράδειγμα

To demonstrate the improvement in road pavement sustainability
by fostering the circular economy
by reducing energy consumption
by reducing traffic noise


Life Cycle Assessment



Efficiently REduced by recycleD pavEments
 E15 ENV/IT/000268

RAI

EFICIARIES ADMINISTRATIVE DATA READ MORE PRINT PDF VERSION



Environmental Noise Directive requires the adoption of action plans to prevent and reduce problems reported by citizens, and the World Health Organisation has repeatedly... The Noise in Europe 2014 report highlights road traffic as the most dominant source affected by noise levels greater than 55 dB(A). One of the most popular solutions for asphalt pavements that are soundproofed.

Use of new porous asphalt pavements and low noise surfaces made of recycled asphalt... These materials will be mixed with binders to produce pavements with the following

<http://www.nereideproject.eu/en/>



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V. Ποιότητα του αέρα, εκπομπές, αστικό περιβάλλον - Παράδειγμα



PM3 - Particulates monitoring, modelling and management
LIFE09 ENV/CY/000252

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PROJECT DESCRIPTION:

BACKGROUND

Air quality is a major environmental problem in Europe, especially in urban conglomerates. For Mediterranean and Balkan countries, and Cyprus in particular, the semi-arid climate with dry summers, sparse vegetation, open-cast mines and uncovered soils are conducive to wind entrainment of dust. Long-distance transport from North Africa and the eastern shore zones of the Mediterranean also has an important impact on air quality. Dust management measures must take into account the relative importance of these different sources. In Cyprus, the heterogeneity of pollutant sources, the relatively large contribution from natural sources, as well as the impact of transboundary transport pose complexities and difficulties to the formulation of control measures.

OBJECTIVES

The PM3 project aimed to support the competent Cypriot authorities in preparing efficient and cost-effective plans for particulate matter (PM) management, by implementing state-of-the-art forecasting and scenario analysis software. The project aimed to enhance data collection and processing capacities through the integration of remote-sensing technologies into the existing monitoring network. Regional modelling and PM10 source apportionment will be combined with stakeholder participation to establish management scenarios and models, incorporating technical and regulatory information as well as socio-economic factors. Specific objectives included the development and implementation of a methodology for identifying PM sources to quantify the relative contributions of long-range versus local sources, and natural versus man-made sources, and the



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<http://www.lifeairquality.eu/>

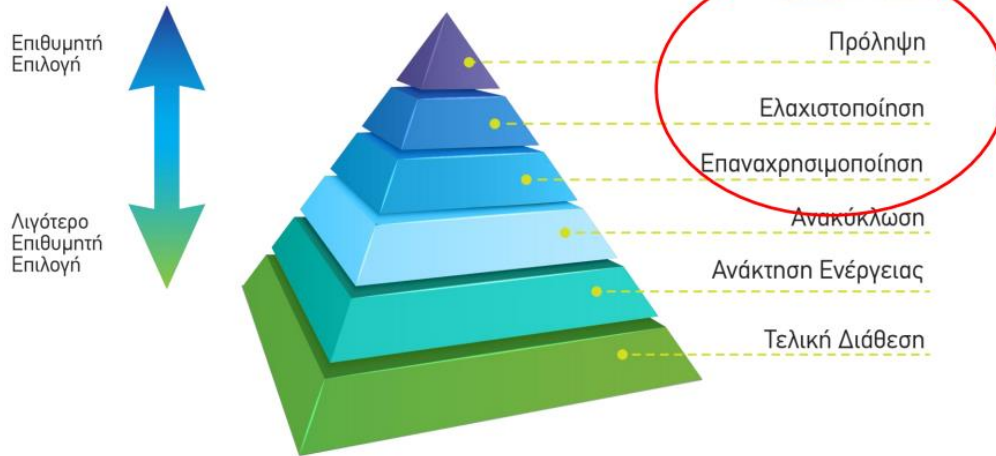
Β. Περιβαλλοντική διακυβέρνηση και πληροφόρηση

Θεματικές Ενότητες

- Εκστρατείες πληροφόρησης, επικοινωνίας και ευαισθητοποίησης
- Μέτρα προώθησης της συμμόρφωσης σε σχέση με την ενωσιακή περιβαλλοντική νομοθεσία
- Στήριξη των συστημάτων πληροφόρησης σε ό,τι αφορά την εφαρμογή της περιβαλλοντικής νομοθεσίας

I. Περιβαλλοντική διακυβέρνηση και πληροφόρηση- Παράδειγμα

Λύση



eRthink




LIFE KNOW WASTE - Awareness raising campaign for the promotion of waste Reduction, Re-use and Recycling in Cyprus
LIFE13 INF/CY/000919

eRthink
REDUCE-REUSE-RECYCLE

PROJECT DESCRIPTION ENVIRONMENTAL ISSUES BENEFICIARIES ADMINISTRATIVE DATA READ MORE PRINT PDF VERSION

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PROJECT DESCRIPTION:

BACKGROUND

About 252 million tonnes of municipal waste is generated each year in the EU (2010 statistics), of which 37% are landfilled, 24% recycled, 14% composted and the rest incinerated with or without energy recovery.

Although the EU has built a strong set of waste legislation, adequate implementation is still missing in many parts of the EU. The most important deviation from the EC waste management policies is the failure to practically adopt the waste hierarchy: reduction, re-use, recycling, energy recovery and disposal.

In Cyprus, the per capita generation of municipal waste is one of the highest in the EU (i.e. in 2011, 772 kg/ capita, while the EU average is 525 kg/ capita). Furthermore, municipal waste production in the country increased by 19% in the last decade; while the EU average decreased by almost 1% in the same period. Some 80% of the produced municipal waste in Cyprus is landfilled in more than a hundred unregulated landfills or dumpsites, resulting in significant environmental impacts.

Recycling accounts only for 16% and composting for four per cent of the produced municipal waste. Cyprus shows one of the largest gaps in the implementation of EU waste management policies and severe deficits in all criteria including waste prevention and reuse policies. It seems that

Επιλέξιμες κατηγορίες έργων

- A. Περιβάλλον και αποδοτικότητα των πόρων
 - Πιλοτικά έργα
 - Έργα επίδειξης
- B. Περιβαλλοντική διακυβέρνηση και πληροφόρηση
 - Έργα πληροφόρησης, ευαισθητοποίησης και διάδοσης πληροφοριών

Κριτήρια επιλεξιμότητας και ανάθεσης

Προστιθέμενη αξία για την ΕΕ:

- Εύρος και ποιότητα της συμβολής στους ειδικούς στόχους των τομέων προτεραιότητας
- **Συνέργειες και διακρατική διάσταση**
- Βιωσιμότητα (συνέχιση, αναπαραγωγή, μεταφορά)



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Ευχαριστώ

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