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Municipality of Amaroussion

# Contents

- A few words about Amaroussion
- Environmental activities – A summary
- Relevant EU-projects
- Our approach to Point 7, “Initial Environmental Analysis”
- Our approach to Point 8, “Legal Compliance”
- Concluding remarks



# Municipality of Amaroussion





# The City of Amaroussion

- Northern suburb of Athens greater area
- Population: 100.000 inhabitants
- Business centre
- Corporations headquarters (especially telecoms)
- Location of Olympic Sports Complex
- Certified under ISO 9001 and EMAS

# Environmental Activities In Our Municipality

- Observing the compliance with environmental terms in new building constructions
- Implementation of solid waste recycling system
- Environmental education and training
- Organization of events
- Strategic planning for the improvement of urban environment



# Environmental Activities In Our Municipality (2)

- Policy planning on the management of household waste
- Green Procurement
- Quality testing of drinkable water
- Recording the consumption of natural resources within the City Hall
- Participation in European Projects

# Information, Participation, Innovation

- Education, training and awareness raising on sustainable development
- Dialogue with local community
- Instruments, practices and procedures for the reduction of environmental impacts of the Organisation's activities
- Promotion of voluntary agreements and environmental projects in different economic sectors
- Purchasing with ecological criteria



# Management of Green Areas

- Planning, planting & maintenance of green areas
- Setting stricter requirements concerning the planting of trees in new constructions
- Planting, pruning, coppicing of trees in the communal spaces
- Construction of new and maintenance of existing playgrounds





# Traffic improvements



- Increase the capacity of the existing road network (i.e. traffic signaling, one way streets etc)
- Proper management of the parking needs either by the curb or off the road
- The development of the newest works (ie Attica road) have been used to provide better connectivity with our local streets thus improving local traffic conditions.
- Municipal Transport covering the whole Municipality





## Traffic improvements (2)

- Introduction of CNS buses to the municipal transport system
- Introduction of electric vehicles to the municipal police fleet

## Future Plans

- Sustainable management of mobility
- Part of the Car Free Day





# Sustainable Urban Development

- Rehabilitation and improvement of urban environment (including pedestrian zones)
- Reduction of environmental impact of public works
- Environmental Impact Assessment in new constructions

# Management of Water Resources



- Management of water supply
- Sewerage network management



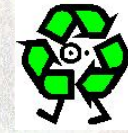


# Solid Waste Management

a) Incorporation of the Municipality in alternative management systems for waste (in local level) i.e. collection of used batteries, electric devices, used lubricants



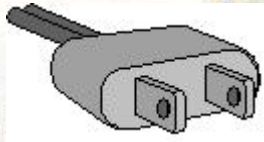
b) Expansion of the recycling program to include packaging materials (aluminium, paper, plastic)







# Energy Management



- Planning of energy resources
- Control of equipments
- Energy supply management



# Relevant EU-projects

- Local Agenda 21
- ecoBUDGET
- Voluntary Environmental Agreements
- Green games And Local Authorities (EMAS implementation)
- Local authorities EMAS And Procurement



# Environmental Indicators adopted within the EcoBudget

	Resource/Indicator	Unit of measure	Previous year (2001) value	Short term target (Budget 2003)	Mid-term target
	<b>Raw material</b>				
1	Total waste production	Ton	33300	36300	43125 (2005)
2	Total recycled waste	Ton	2174	2283 - 5%	2413 - 11% (2005)
	<b>Water</b>				
3	Lenght of sewage network	Km	97,5	100	103,74 (2005)
	<b>Air</b>				
4	Lenght of pedestrian roads	Km	8,4	9,3	21,8 (2008)
	<b>Land/Soil</b>				
5	Renewed school yards	Amount	0	6	12
6	Percentage of green areas	%		10,8 (centre) 11,4 (neighb.) (*2005)	12,3 (centre) 13,0 (neighb.) *2005
7	Amount of trees	Amount	0	3000 (*2005)	6000 (2008)



# **Point 7 – Initial Environmental Analysis**

**The Current Environmental Status In The  
Municipality Of Amaraoussion**



# EMAS in Municipal Services

- Municipal Transport Company
- Procurement Department
- Landscape Department
- Environmental Office





# EMAS development process

- Development process designed to:
  - Engage staff
  - Produce pragmatic EMS that meets the need of the organisation and
  - Lead to an EMS that is maintained and fully integrated
- Build on European best practice approaches that have been successfully applied in many other local authorities



## EMAS development process (2)

The process included the following elements:

- Development of training material, case studies and system development templates
- Representatives selected from each of the departments to develop EMAS
- Series of training and development workshops
- Best practice study tour to UK

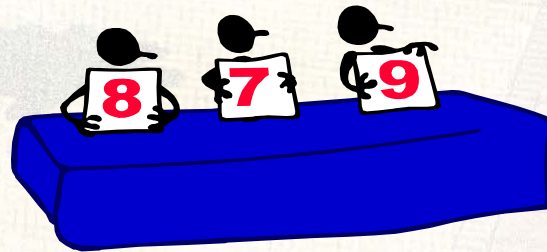






# Environmental Analysis

1. Description of municipal departments and activities recording
2. Identification of most environmental aspects, which are related to each activity
3. Definition and assessment of impacts related to each environmental aspect





## Outputs - Transport

- ✓ Low emission fuel trials and research
- ✓ Increased vehicle maintenance checks
- ✓ Specification for low noise buses
- ✓ Initiatives to recycle batteries, oil, and tyres

## Outputs - Procurement

- ✓ Change specification to purchase on recycled paper
- ✓ Change specification to purchase recycled printer cartridges
- ✓ Change specification to purchase environmental best option for 5 most used cleaning products





## Outputs - Landscape

- ✓ Development of guidelines for tree planting looking at:
  - Biodiversity / local provenance
  - Pollution and drought tolerance
- ✓ Installation of low volume irrigation systems
- ✓ Green waste composting

## Outputs - Environmental Office

- ✓ Increased use of electric vehicles
- ✓ Increased requirements for tree planting for new constructions
- ✓ Promote recycling at office
- ✓ Develop environmental specifications for Procurement Department

# Official Documentation of environmental commitment

- Environmental Statement
- Environmental Policy
- Quality Policy



## Point 8 – Compliance With Legislation



### The Legal Framework In Greece



# Environmental Statement

ΣΤΟΙΧΕΙΑ ΝΟΜΟΘΕΣΙΑΣ	ΣΤΟΙΧΕΙΑ ΦΕΚ		ΑΦΟΡΑ	ΕΦΑΡΜΟΓΗ ΣΤΟ ΔΗΜΟΥ
	ΑΡ.	ΗΜΕΡΙΑ		
Αρ. Απόφ. 105135,105134/2004	905	17-6-2004	Έγκριση του Συλλογικού Συστήματος Εναλλακτικής Διαχείρισης Αποβλήτων Λιπαντικών Ελαίων «ΕΛΛΗΝΙΚΗΤΕΧΝΟΛΟΓΙΑ ΠΕΡΙΒΑΛΛΟΝΤΟΣ Α.Ε.-ΕΛΤΕΠΕ Α.Ε.» Έγκριση του Συλλογικού Συστήματος Εναλλακτικής Διαχείρισης Αποβλήτων Ηλεκτρικού και Ηλεκτρονικού Εξοπλισμού «ΑΝΑΚΥΚΛΩΣΗ ΣΥΣΚΕΥΩΝ ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ»	Υπογραφή σύμβασης με ΕΛΤΕΠΕ Α.Ε. Υπογραφή σύμβασης με ΑΝΑΚΥΚΛΩΣΗ ΣΥΣΚΕΥΩΝ ΑΕ
Αρ. Απόφ. 105136/2004	907	17-6-2004	Έγκριση του Συλλογικού Συστήματος Εναλλακτικής Διαχείρισης Οχημάτων Ελλάδος «ΕΔΟΕ»	Δεν έχει υπογραφεί ακόμη σύμβαση βρισκόμαστε στο στάδιο των επαφών
Αρ. Απόφ. 106155/2004	1056	14-7-2004	Έγκριση του συλλογικού συστήματος Εναλλακτικής Διαχείρισης Φορητών Ηλεκτρικών Στηλών & Συσσωρευτών «Σ.Σ.Ε.Δ.Φ.Η.Σ.Σ. ΑΕ»	Συνεργασία με ΑΦΙΣ Α.Ε.
Αρ. Απόφ. 106158/2004	1124B	23-7-2004	Έγκριση του συλλογικού συστήματος Εναλλακτικής Διαχείρισης Συσσωρευτών «ΣΥΔΕ.ΣΥΣ ΑΕ»	Υπογραφή σύμβασης με ΣΥΔΕ.ΣΥΣ ΑΕ
Αρ. Απόφ. 106157/2004	1145	28-7-2004	Έγκριση του συλλογικού συστήματος Εναλλακτικής Διαχείρισης Παλαιών Ελαστικών «ECO-ELASTICA»	Υπογραφή σύμβασης με ECOELASTICA





# Amaroussion Environmental Policy

The Municipality of Amaroussion has adopted a series of commitments for the environmental protection which are depicted at the Municipality's environmental policy.

# Amaroussion Commitments <sup>(1)</sup>:

- Report on the quality of environment on issues for which the Municipality is responsible
- Promote training on environmental issues
- Promote campaigns against air, noise and water pollution
- Impose environmental regulations and provide consultation and instructions to local businesses and industries



## Amaroussion Commitments (2):

- Minimize quantities of waste produced
- Promote and encourage the recycling of products as well as the usage of recycled products
- Encourage group transportation, walking and cycling
- Promote tree planting and expansion of green areas

## Amaroussion Commitments (3):

- Promote measures for energy conservation and reduction of water consumption in the premises of the Municipality
- Promote the introduction of renewable energy resources
- Cooperate with suppliers and subcontractors providing the know-how to set up high environmental standards



# Concluding Remarks

EMAS & ECOBUDGET are two very powerful tools adopted by our Municipality to carry out our environmental commitments

**The End...**

**THANK YOU!**

