



THE EXPERIENCE OF MUNICIPALITY OF AGIOS DIMITRIOS

OLGA VLACHOU

ENVIRONMENTAL ENGINEER MSc
HEAD OF ELECTRO-MECHANICAL DEPT.

Dr CRISTOS BELIAS

CHEMICAL ENGINEER MSc, PhD
MAYORS CONSULTANT

Municipality of Agios Dimitrios Profile

- ▶ Suburb of South Attica
- ▶ Area of 4.949 km²
- ▶ 49,149 citizens and 71,294 residents based on the 2011 census
- ▶ Pop. density of 12,291 citizens/sq.km.
- ▶ 5km south of Athens city center, and 4km from the Saronic Gulf coast



Municipality of Agios Dimitrios

People

- Mayor: Mrs. Maria Androutsou
- 41 City Counselors
- More than 370 employees



Municipality of Agios Dimitrios

Project participation

- ▶ **"Green Twinning"** Capacity building and lessons to be learned for the institutionalisation of sustainable energy policies in the municipalities' operations – *IEE Programme*
- ▶ **"GRASP"** GReen procurement And Smart city suPport in the energy sector – *Interreg Med Programme*
- ▶ **"REGEOCITIES"** Regulations of Geothermal HP systems at local and regional level in Europe – *IEE Programme*
- ▶ **"ENDURANCE "** Developing Sustainable Urban Mobility Plans (SUMPs) - *IEE Programme*
- ▶ **"Mayors in Action"** Assisting Municipalities in implementing and monitoring your sustainable energy and climate actions – *IEE Programme*
- ▶ **"Republic ZEB"** focused on energy and CO₂ emissions associated with existing public buildings and their refurbishment towards nZEB – *IEE Programme*
- ▶ **"PRODESA "** (Energy Efficiency Project Development For South Attica) launch energy efficiency and renewable energy projects, utilizing innovative financial tools and attracting private investments - *HORIZON 2020*
- ▶ **" Clim'Foot"** improve climate management by supporting the implementation of public policies to calculate and reduce the carbon footprint – *Life*
- ▶ **"VALUE4ALL"** Mitigating household energy poverty- *HORIZON 2020*

19th October 2016

- ▶ Municipality of Agios Dimitrios is a member of the Covenant of Mayors Initiative since 2009 (SEAP), now moving towards the CoM for Climate & Energy (SECAP)
- ▶ CRES sent to the Municipality of Agios Dimitrios a formal invitation for our participation as an end user in the LIFE CLIM'FOOT project, which aims to improve climate management by supporting the implementation of public policies to calculate and reduce the carbon footprint.
- ▶ The aim of the Clim'Foot Project is close related to our Municipality commitment to reduce CO₂ emissions by at least 40% by 2030 and to tackle mitigation and adaptation to climate change.
- ▶ Municipality of Agios Dimitrios CO₂ savings, 2015 vs 2009:
 - ▶ -27% Municipal Buildings
 - ▶ -42% Municipal fleet
 - ▶ -9,2% Public lighting

LETTER OF INTENT

Clim'Foot Project - LIFE14 GIC/FR/000475

Title, surname and name: Mrs, Androutsou Maria
Function: Mayor
Organization: Municipality of Agios Dimitrios
Address: 55th Agiou Dimitriou Ave
City code: 17343 **City:** Agios Dimitrios
Phone no: +30 2132007702 **Email:** androutsou@dad.gr

We have studied the LIFE Clim'Foot project, which aims at improving climate governance by supporting the implementation of public policies to calculate and reduce organisations' carbon footprint. The LIFE Clim'Foot project is coordinated by the French environmental agency ADEME, the Greek partner is the Centre for Renewable Energy Sources and Saving (CRES).

On behalf of Municipality of Agios Dimitrios I hereby express our organization's intent and willingness to participate in the project implementation as outlined in the followings:

- We shall provide all data necessary to determine the carbon emission of our organisation including information on our activities, processes and emissions.
- We shall participate in the training sessions dedicated to carbon accounting.
- During the demonstration phase, we shall complete the calculation of our organisation's carbon footprint by using the Clim'Foot project emission factor database and the BilanCarbon tool as provided and supported by CRES.
- We shall participate in events to share our experience with others, and we shall summarize our experience gained in the calculation process.


ΜΑΡΙΑ ΑΝΔΡΟΥΤΣΟΥ
ΜΑΡΙΑ ΑΝΔΡΟΥΤΣΟΥ



In 1st & 2nd December 2016

- 9 municipalities attended the seminars held by CRES
- 3 persons participated, representing Municipality of Ag. Dimitrios

 ΚΑΠΕ ΚΕΝΤΡΟ ΑΝΑΠΕΞΑΣΜΟΥ ΠΗΓΩΝ ΚΑΙ ΕΞΟΙΚΟΝΟΜΗΣΗΣ ΕΝΕΡΓΕΙΑΣ

 Σεμινάριο του ευρωπαϊκού έργου LIFE14-GI-C/FR/000475-Clim'Foot 
Δημόσια-Οργανισμοί

Δελτίο-συμμετοχής
01-8-02/12/2016
Εγκαταστάσεις ΚΑΠΕ
Αίθουσα εκδηλώσεων Κεντρικού Κτιρίου
Πικέρμι, 19ο χμ. Λεωφόρου Μαραθώνος, Αττική

Όνομα:π	Όλγα
Επώνυμο:π	Βλάχου
Εταιρεία/- Οργανισμός	Δήμος Αγίου Δημητρίου
Θέση:π	Τμηματάρχης Ηλεκτρομηχανολογικού-Δ/νσης Τεχνικών Υπηρεσιών
Email:π	onlachou@dad.gr
Τηλέφωνο:π	2132007736

Πληροφορίες/Αποστολή Δελτίου Συμμετοχής στα emails:-
• → Έφη Κορμά ekorma@cres.gr /210-660-33-19
• → Σταυρούλα Παπαγιάννη spapa@cres.gr /210-660-32-78
• → Βάνα Παπαβλασσόπουλου vpara@cres.gr /210-660-33-48





Cooperation with CRES

- ▶ Thorough training was provided by CRES during the seminar, as to get familiar with the context of carbon accounting (GHG protocol, ISO 14069) and the use of the “Bilan Carbon® Clim’Foot” method and tool, using a tailor made case study, suitable for Municipal activities and services.
- ▶ A CRES helpdesk is constantly providing support and guidance during the implementation phase of the “Bilan Carbon ® ClimFoot” method and the assessment of the GHG inventory for the Municipality. We keep regular communication via e-mail and telephone calls concerning the project activities and progress.
- ▶ Learning material, including all the documents presented in the seminar and other relative information about GHG emissions accounting is available over the internet(Dropbox).
- ▶ Data collected and used in he Bilan Carbon® tool is being discussed with and approved by the CRES helpdesk.
- ▶ We strongly believe that till the end of 2017 we will be ready to assess the carbon footprint of Agios Dimitrios Municipality.



Issues successfully addressed

- ▶ Define the perimeter and the baseline year.
 - ▶ Premises owned by or under the supervision of the Municipality of Agios Dimitrios and of 3 Municipal Legal Entities (79 buildings in total, mostly schools). Baseline year 2015.
- ▶ Distinguish secondary flows (e.g. downstream freight transport).
- ▶ Use of SEAP CO₂ inventory.
 - ▶ Direct GHG emissions –Scope 1 (stationary combustion of fossil fuels for building heating and mobile combustion for Municipal fleet transportation).
 - ▶ Energy indirect GHG emissions – Scope 2 (purchased electricity for building HVAC systems, public park & street lighting, water pump stations).
- ▶ Try to calculate other indirect GHG emissions – Scope 3 (more difficult):
 - ▶ Emissions under the supervision of the municipality (e.g. employee commuting, business travel, direct wastes, recycling, purchased goods & services, and capital goods) can be calculated but is not easy, as we have to dig for primary data in different services and records.
 - ▶ Emissions of third party emissions (mostly upstream freight transport) will be mostly calculated using assumptions and data from bibliographic databases.

Thank you

