



MUNICIPALITY OF BLAGOEVGRAD

---

## INVITATION

Municipality of Blagoevgrad

in the framework of the project

*"Green" employment in the management of biowastes",*

*with the acronym "Green\_Crew",*

Subsidy Contract № B2.9c.11/06.10.2017,

funded by the European Territorial Cooperation Programme "Greece – Bulgaria

2014-2020"

invites you to a Project Team Meeting

on Tuesday, 16<sup>th</sup> October 2018, at 10:30 a.m.,

in Blagoevgrad, "Monte Kristo" Hotel, Conference Hall



MUNICIPALITY OF BLAGOEVGRAD

---

**INTERREG V-A COOPERATION PROGRAMME**  
**GREECE – BULGARIA 2014-2020**

**GREEN CREW**  
**«"GREEN" EMPLOYMENT IN THE MANAGEMENT OF**  
**BIOWASTES»**

**PROJECT TEAM MEETING**  
**16<sup>th</sup> October 2018**  
**Starts at (10:30) and finishes at (14:30)**

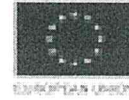
**"Monte Kristo" Hotel, Conference Hall**  
**Blagoevgrad, Bulgaria**

# AGENDA

(16 <sup>th</sup> October 2018)		
10.30 – 11.00	<b>Registration</b>	
11.00 – 11.20	<b>Welcome address</b> <b>Presentation of participants</b>	<b>Deputy Mayor for European Projects and Programs in Municipality of Blagoevgrad</b> <b>+All</b>
11.20 – 11.40	<b>Presentation 1: Progress of Project Deliverables during the First Year</b> <i>Moderator: Papika Athina-Maria</i>	<b>Municipality of Serres (LB)</b>
11.40 – 12.00	<b>Presentation 2: The contribution of the AUTH to Green Crew project</b> <i>Moderator: Georgia Papapanagiotou</i>	<b>Aristotle University of Thessaloniki – Special Account of Research Funds – Faculty of Chemistry (PB2)</b>
12.00 – 12.20	<b>Presentation 3: Project Progress</b> <i>Moderator: Anastasios Tsolakis</i>	<b>Municipality of Nestos (PB3)</b>
12.20 – 12.40	<b>Presentation 4: Progress of the project activities, regarding the implementation of Green_Crew project</b> <i>Moderator: Silvana Vancheva-Pishieva</i>	<b>Municipality of Blagoevgrad (PB4)</b>
12.40 – 14.00	<b>Lunch</b>	
14.00 – 14.20	<b>Open discussion:</b> <i>Definition of task list; time schedule, interactions among WPs; tasks and Deliverables, assignments of tasks; set-up of deadlines; fixing dates of event calendar</i>	<b>All partners</b>
14.20 – 14.30	<b>Closing remarks/ Recap of the meeting</b>	<b>Municipality of Blagoevgrad (PB4)</b>



**Interreg**  
**Greece-Bulgaria**  
Ευρωπαϊκό Περιφερειακό Συνεργασιακό Πρόγραμμα



**Σέρρες, 29/10/2018**

## **ΔΕΛΤΙΟ ΤΥΠΟΥ**

**Θέμα: "2η Τεχνική συνάντηση του έργου GREEN CREW που χρηματοδοτείται από το Πρόγραμμα Ευρωπαϊκής Εδαφικής Συνεργασίας ΕΛΛΑΔΑ-ΒΟΥΛΓΑΡΙΑ 2014-2020 "**

Στα μέσα του Οκτώβρη πραγματοποιήθηκε στον Δήμο Blagoevgrad, Βουλγαρία η 2η Τεχνική Συνάντηση των εταίρων στο πλαίσιο υλοποίησης του έργου "Πράσινες θέσεις εργασίας στη διαχείριση βιοαποβλήτων- Green Crew". Στη συνάντηση στην οποία προΐστατο ο Αντιδήμαρχος Καθαριότητας κ. Χράπας Παντελής συμμετείχαν στελέχη του Δήμου Σερρών από τη Διεύθυνση Καθαριότητας και του Αυτοτελούς Τμήματος Προγραμματισμού, Ανάπτυξης, Ποιότητας και Αποδοτικότητας καθώς και εκπρόσωποι των άλλων εταίρων (Δήμος Blagoevgrad και Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης).

Στη 2η Τεχνική Συνάντηση αναπτύχθηκε η πορεία προόδου του έργου σε συγκεκριμένα παραδοτέα-πακέτα εργασίας από κάθε εταίρο καθώς και ο καθορισμός των μετέπειτα ενεργειών σχετικά με την διοργάνωση της **Εβδομάδας Εκπαίδευσης ("White-Shared" Training Week)**

Ουσιαστικά, η Εβδομάδα Εκπαίδευσης θα εξοπλίζει τους συμμετέχοντες με καινούργιες γνώσεις "πράσινης εξειδίκευσης" και κατάρτισης σε θέματα διαχείρισης βιοαποβλήτων, προκειμένου να ανταποκριθούν επιτυχώς σε μελλοντικές νέες θέσεις εργασίας στην πράσινη οικονομία.

**The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Cooperation Programme INTERREG V-A "Greece – Bulgaria 2014-2020"**



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



# GREEN CREW

## «PROGRESS OF PROJECT DELIVERABLES DURING THE FIRST YEAR»

2nd Technical Meeting

Blagoevgrad, 16/10/2018



ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI



The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece – Bulgaria 2014 -2020" Cooperation Programme»



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



## «TIMETABLE»

WP	WP	Start	End
WP 1	Project Management & Coordination	06/10/2017	05/10/2019
WP 2	Communication & Dissemination	06/10/2017	05/10/2019
WP 3	Exploring the social contribution of bio-waste	01/11/2017	05/10/2019
WP 4	Recycling of organic waste	06/10/2017	05/10/2019
WP 5	Evaluation & framework development	01/02/2018	05/10/2019
WP 6			
Total		06/10/2017	05/10/2019

- ❖ By getting the consent of the Project Team and the approval of the JS, we modified the AF with an extension in the duration of WP3 and WP5 to the end of the project due to delays in particular tenders of the project.



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



## «Project Progress of Municipality of Serres»

### **1) The implemented steps regarding WP1: PROJECT MANAGEMENT & COORDINATION are:**

- ❖ The completion of hiring staff on July 18th, 2018
- ❖ The submission of the 2nd Progress Report on July 18th, 2018 monitoring the completed actions and the foreseen steps with the cooperation of all of you.



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



### **2) The implemented steps regarding WP2: COMMUNICATION AND DISSEMINATION are:**

- ❖ The contractor for ensuring information and publicity strategy has been selected.

- ❖ The creation of the logo of the Project Green Crew

#### **Actions that are in progress in the frame work of WP2:**

- ❖ The project website is developing
- ❖ A detailed communication plan is developing by our contractor and will be submitted soon.





**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



### **3)Steps in progress concerning WP3 :EXPLORING THE SOCIAL CONTRIBUTION OF BIO-WASTE UTILIZATION are:**

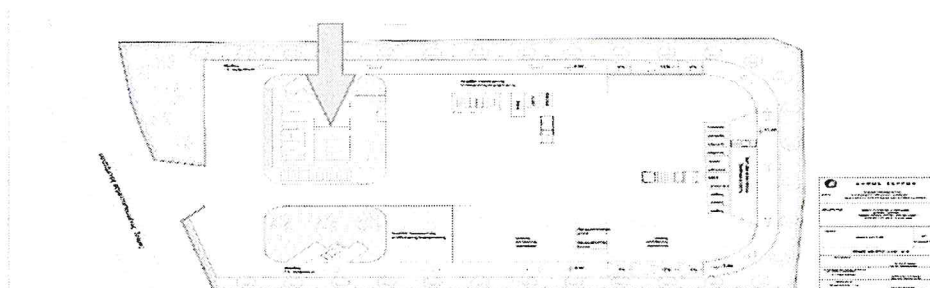
- ❖ *The selection procedure of the contractor who is going to develop a report on the training and skills of the participants of the "white-shared" Training Week is almost complete*
- ❖ *The preparation of the tender dossier for supply of smart education equipment – the tool for the better outcome of the Training Week. Future use of the smart equipment in the plant "Green Point"*



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



## **"GREEN POINT" PLANT**





**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



**4) The progress steps concerning WP5:  
EVALUATION AND FRAMEWORK DEVELOPMENT  
are:**

- ❖ *The contractor for organization of a public awareness campaign of biowaste composting as well as the development of a pilot activity demonstration has been selected.*

**Next steps following are:**

- ❖ *The contractor for WP3 and WP5 in cooperation with us and the valuable help of AUTH and Municipality of Nestos will proceed to the pilot activity demonstration.*
- ❖ *The supply of a wood shredder to be proceeded which has delayed due to checking the technical specifications that fit best to our needs.*



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



**THANK YOU FOR  
YOUR ATTENTION**



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



## GREEN CREW

### Progress of the activities, regarding the implementation of Green\_Crew project

*Project Title: "Green" Employment in the Management of Biowastes", Green\_Crew*

*PB4: Municipality of Blagoevgrad*

**2<sup>nd</sup> Project Team Meeting: Blagoevgrad, 16/10/2018**



ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI



*Municipality of Blagoevgrad*



The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme

**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



## MUNICIPALITY OF BLAGOEVGRAD (PB4) AND PROJECT GREEN\_CREW

Approved budget of Municipality of Blagoevgrad (PB4) - 129 424.40 EUR

### Main activities to be implemented under the project:

- Organization of a Project Team Meeting
- Organization of a "white-shared" training week
- Organization of one conference on the promotions of the project results for 100 people
- Supply of a smart education equipment




ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI




*Municipality of Blagoevgrad*




The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund









## MUNICIPALITY OF BLAGOEVGRAD (PB4) AND PROJECT GREEN\_CREW


Progress of the implementation of the activities for the period 06.10.2017-  
16.10.2018

**WP 2 „Communication and Dissemination“:**


- Ensuring Information and publicity measures by elaboration of 3 banners, 50 posters, 200 brochures, 200 folders for the social outcomes of „green\_waste“ management, 6 publications.
- Prepared Tender dossier for selection of a Contractor, signed Service contract.







The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund









## MUNICIPALITY OF BLAGOEVGRAD (PB4) AND PROJECT GREEN\_CREW

Progress of the implementation of the activities for the period 06.10.2017-  
16.10.2018

**WP 3 „Exploring the social contribution of bio-waste“:**

- Organization of a „white-shared“ training week for approximately 60 participants. Delivery of a report;
- Supplied smart education equipment (smart board, PC equipment, software), 1 (one) PC.

The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme



**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



**MUNICIPALITY OF BLAGOEVGRAD (PB4) AND  
PROJECT GREEN\_CREW**

**THANK YOU FOR THE ATTENTION!**

Silvana Vancheva-Pishieva  
Coordinator of Green\_Crew Project  
Municipality of Blagoevgrad  
e-mail: [svancheva@blgmun.com](mailto:svancheva@blgmun.com)  
tel.: +359 894 460 759






ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI



ΜΟΥΝΙCΙΠΑΛΙΤΗΤΑ  
ΒΛΑΓΟΕΒΓΡΑΔ



The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme



# GREEN CREW

## Green - Employment in the Management of Biowastes



Georgia Papapanagiotou  
Agronomist, MSc

Blagoevgrad, Bulgaria  
16/10/2018



---

ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI

The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014 -2020" Cooperation Programme»

## Aristotle University of Thessaloniki

- The Aristotle University of Thessaloniki is the largest University in Greece
- It consists of 7 Schools with more than 80.000 students and over 2.000 educational and research personnel
- The Department of Chemistry (P2) being part of the School of Natural Sciences, supports undergraduate, masters and PhD educational programs and conducts basic and applied research in all dominant fields of chemistry and chemical technology





## Aristotle University of Thessaloniki

- The field of biomass valorization within the broader concept of Green Chemistry and Sustainability has been developed systematically over the last decade. The Department of Chemistry:
  - Possesses advanced infrastructure and scientific expertise enabling it to conduct high level basic and technological research as well as specialized measurements and industrial contracts on biomass and compost products.
  - Employs outstanding faculty members and new researchers, offering high quality teaching and training courses.
  - Carries out projects with the aim to raise environmental awareness, improve the quality of life and ensure the sustainability of resources in Greece



## Role of AUTH in the project [1]

- Develop the social economy networking report and development of the social cooperation enterprise manual
- S.W.O.T analysis report stating the high level of situation awareness in all critical issues concerning the existing potential on bio-waste manipulation
- Education services, which include smart education methods, in composting methodologies and biomass management
- Support Municipalities of Serres and Nestos in optimization of compost systems
- Development of protocols for the production and application of compost



## Role of AUTH in the project [2]

- Development analytical methodology for the determination of physicochemical characteristics of biomass raw material and the produced compost
- Evaluation of different compost products to improve soil properties and to contribute the sustainability of soil health
- Develop of a social impact evaluation study



## WP3

Exploring the social contribution of bio-waste utilization

WP3			
	Deliverable Title	Partner	Budget
Deliverable 3.1	S.W.O.T analysis	P2	16.000,00
Deliverable 3.2	Social economy networking and Development of the social cooperation enterprise manual	P2	16.000,00
Deliverable 3.3	Investigate the training & skills needs of the groups involved	LB, P2, P3	21.210,00
Deliverable 3.4	Smart education	LB, P2, P4	40.353,40
Deliverable 3.5	Time-shared "white-week"	P4	26.000,00
Total budget WP3			119.563,40





### WP3

#### Exploring the social contribution of bio-waste utilization

- SWOT analysis that will provide a high level of situation awareness in all critical issues concerning existing potential on bio-waste manipulation and corresponding social, economic and environmental effects and implications.
- Develop a social economy networking report and development of the social cooperation enterprise manual
- Develop of a report on the training and skills of participants involved in the context of the project
- Organization of a "white-shared" training week for approximately 60 participants. Training and lessons by trained scientists. Knowledge transfer via Smart education (interactive media, Smartboard)



### WP4

#### Recycling of organic waste

WP3			
	Deliverable Title	Partner	Budget
Deliverable 4.1	Social cooperative enterprise enrolment	P3, P4	138.030
Deliverable 4.2	Expansion of composting plants		
Deliverable 4.3	Quality report of the compost produced	P2	71.000
Deliverable 4.4	Promoting the application or commercialization of the compost (marketing strategy)		
Total budget WP4			209.030

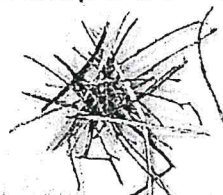


## Processing and physico-chemical analysis

- Agricultural and urban biomass wastes-residues
- Determination of physical and chemical properties of biomass samples
- Compost process
- Sampling of compost at different stages
- Determination of physical and chemical properties of compost products



## Selected biomass and compost samples *Olea europaea* [Olive]



branches



leaves



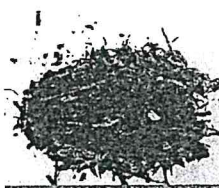
chopped  
branches



chopped  
branches & leaves

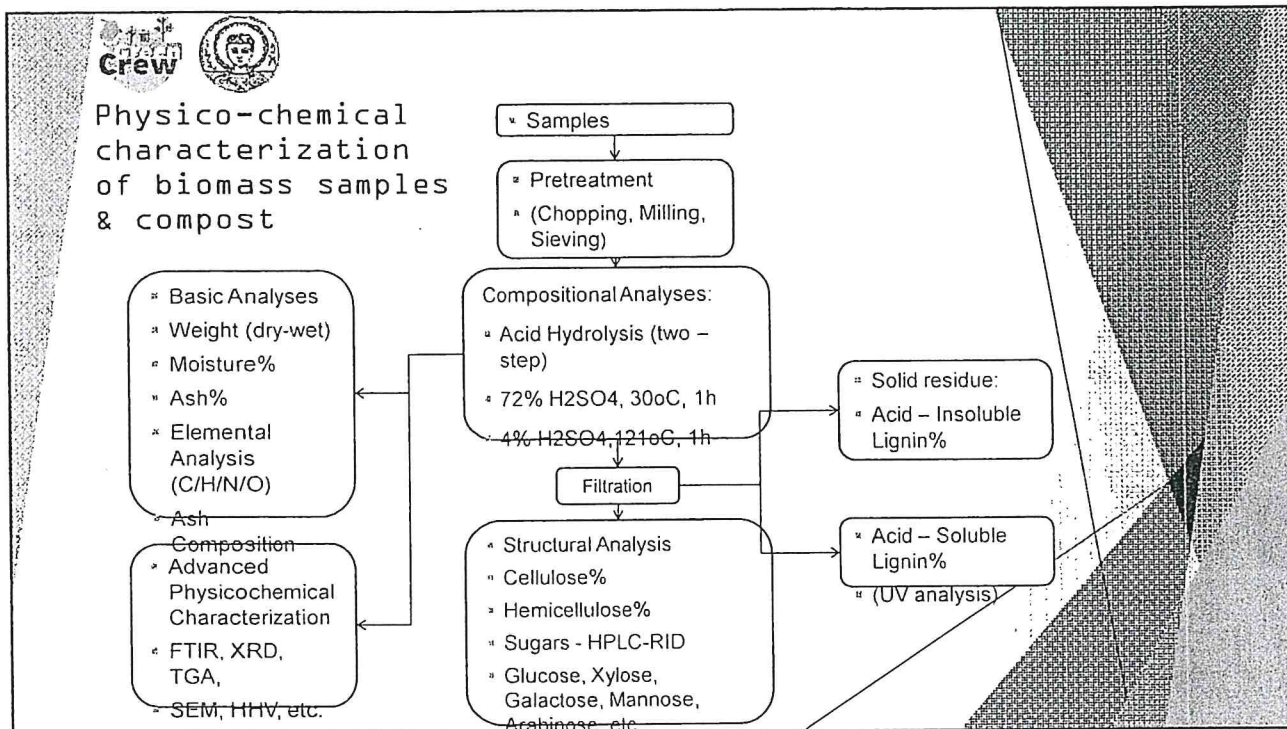


compost  
early stage



compost  
mid stage





**Interreg**  
Greece-Bulgaria  
European Regional Development Fund

EUROPEAN UNION

**GREEN CREW**

## GREEN CREW

Georgia Papapanagiotou  
Agronomist, MSc

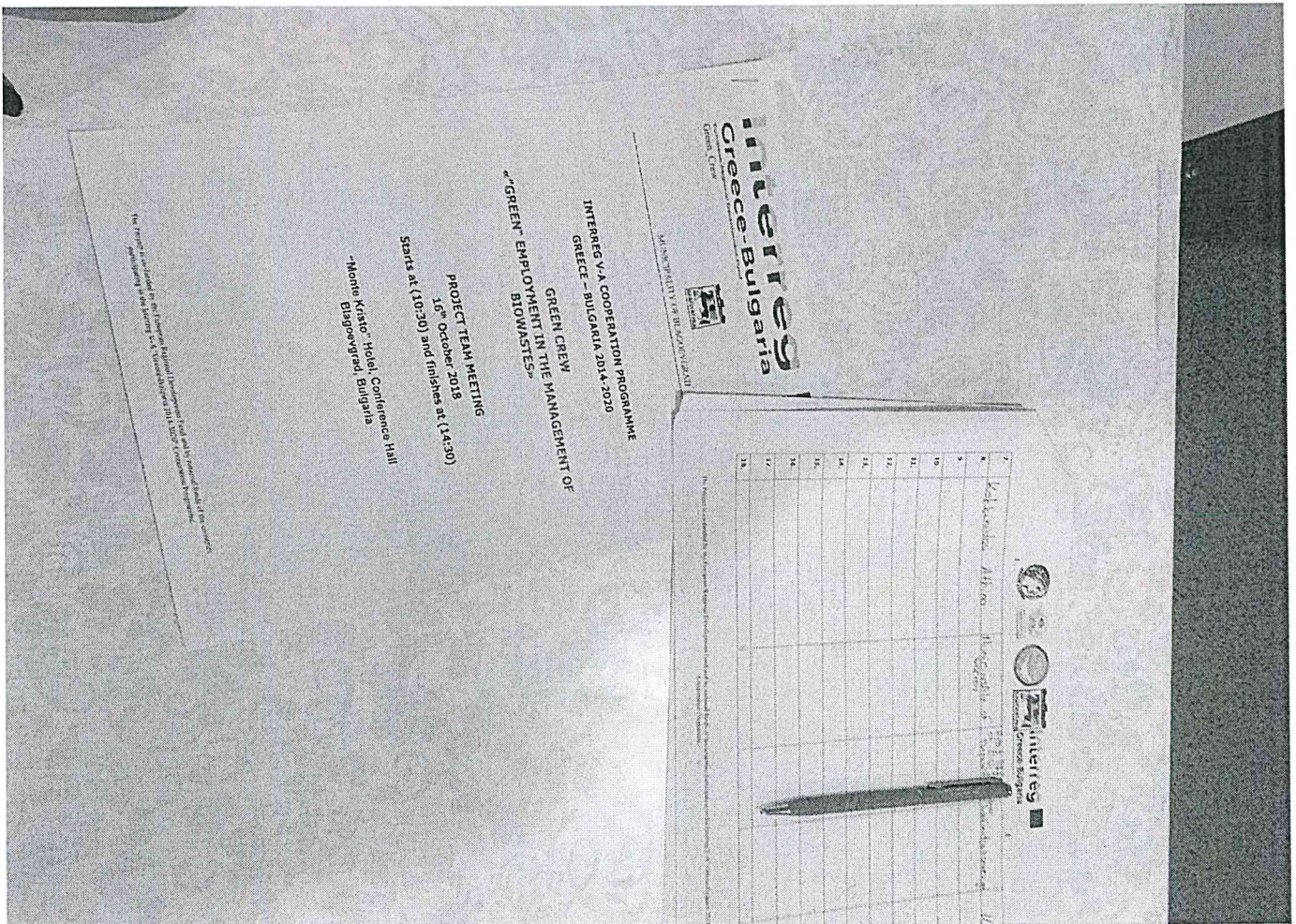
✉ [papapana@bio.auth.gr](mailto:papapana@bio.auth.gr)

The project is co-funded by the European Regional Development Fund and by national funds of the countries participating in the Interreg V-A "Greece - Bulgaria 2014-2020" Cooperation Programme

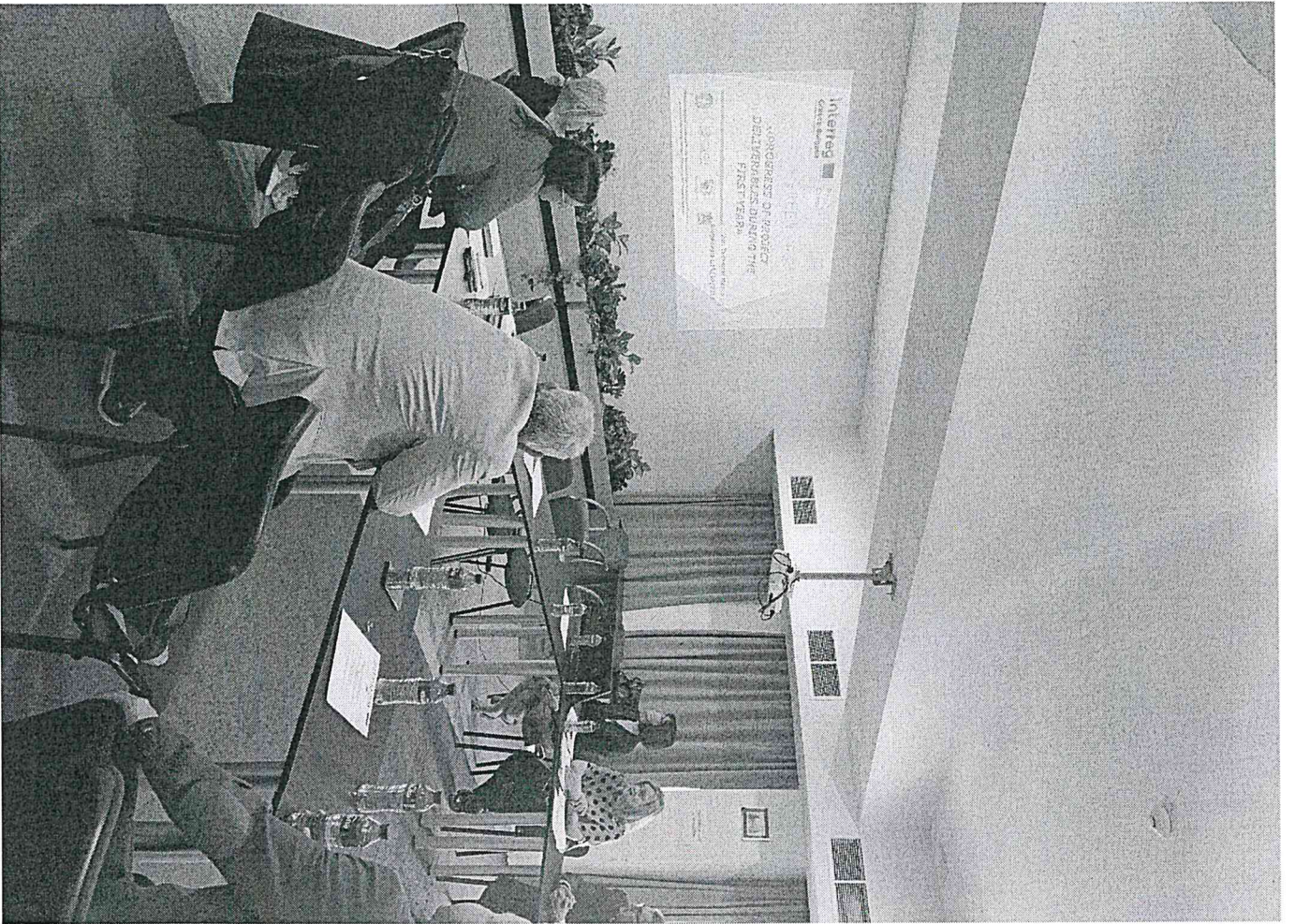
















**Interreg**  
Greece-Bulgaria  
European Regional Development Fund



Ε

## MEETING MINUTES

### 2<sup>nd</sup> Project Team Meeting

Blagoevgrad, 16<sup>th</sup> October 2018

Date, time:	Tuesday, the 16 <sup>th</sup> of October, 2018 (from 10:30 am to 14:30 pm)
Venue:	Conference Hall of "Monte Kristo" hotel, Blagoevgrad, Bulgaria
Activity(s):	2 <sup>nd</sup> Project Team Meeting
Host:	Municipality of Blagoevgrad
Participants:	<p><b>Municipality of Serres, Lead Beneficiary:</b> CHRAPAS Pantelis, Vice Mayor of the Cleaning Services Division, DASKALOPOULOS Petros, Head Officer of the Cleaning Services Division, KOKKINIDOU Athina, Head officer of EU Programmes Department, PAPIKA Athina-Maria, Project officer</p> <p><b>Aristotle University of Thessaloniki – Special Account for Research Funds – Department of Chemistry, Partner Beneficiary 2:</b> PAPAPANAGIOTOU Georgia, Scientific personnel</p> <p><b>Municipality of Blagoevgrad, Partner Beneficiary 4:</b> IVANOVSKI Georgi, Head of Department "Territorial Cooperation and Economic Development", VANCHEVA-PISHIEVA Silvana, Chief expert "European projects and programmes" and Coordinator of Green_Crew project</p>
CONTENTS	
	<p>The meeting started with the welcome words of Mr. Georgi Ivanovski, Head of Department "Territorial Cooperation and Economic Development" in Municipality of Blagoevgrad, who thanked all the participants for attending the meeting. The representatives of the other partners (Municipality of Serres and AUTH) added that they were pleased to be part of this project and to attend the event.</p>
Overview of the project	<p>Mrs. Papika, the local project officer from the Municipality of Serres made a presentation on the progress of Project Deliverables during the first year. Then, Mrs. Papapanagiotou, Scientific personnel from the Aristotle University of Thessaloniki talked</p>



**Interreg**  
**Greece-Bulgaria**  
European Regional Development Fund



C

	about their contribution to Green_Crew project. Mrs. Vancheva-Pishieva was the moderator of Municipality of Blagoevgrad and presented the Progress of the project activities, regarding the implementation of Green_Crew.
<b>Open discussion</b>	In the end, an open discussion followed among all the participants. An effort was made throughout the meeting to discuss how the objectives and the deliverables will be implemented in time, according to the Partner's STPPs.

<b>Next meeting planned:</b>	It is planned to take place within 6 months
------------------------------	---

**Attached:**

**Invitation of the meeting**

**The Agenda of the meeting**

**The participants list**

**Photos**