



MINUTES	DATE	29th March, 2016
	TIME	11:30 – 16:30
	PLACE	Interbalkan Environment Center, Lagadas, Greece
Kick off meeting: WET AID PROJECT		
<p>“Protection of human life and environmental health through sustainable management of agrarian landscapes”, IPA Cross-border Programme “Greece - The former Yugoslav Republic of Macedonia 2007- 2013”</p>		

On Tuesday 29/03/2016, the Kick Off Meeting of the “WET_AID” Project took place at the Interbalkan Environment Center premises, Lagadas, Greece, with representatives of all PPs, LP1 – Decentralized Administration of Macedonia Thrace, LP2 – Ss. Cyril and Methodius University in Skopje, Faculty of Agricultural Sciences and Food, PP3 – Municipality of Volvi, PP4 - InterBalkan Environment Center and Mrs. Konstantina Kouliali representative of the Joint Technical Secretariat of the IPA Cross-border Programme “Greece - The former Yugoslav Republic of Macedonia 2007- 2013”, as appeared in the attached participants’ list.

Mrs. K. Styla, representative of PP4 – InterBalkan Environment Center, opened the meeting, welcoming the participants and wished for a successful and fruitful meeting. Then she passed the floor to all participants to present themselves and finally the agenda of the meeting was presented and adopted, as following:

AGENDA	
11:30 – 12:00	<i>Arrival of participants and registration</i>
Time	Topic
12:00–12:10	Opening of the meeting and Welcome speech (LP1 & PP4)
12:10–12:30	Short presentation of the Partners’ Organizations (All Partners)
12:30-12:45	General overview of the "WET_AID" Project (LP1)



12:45-14.00	Work Package Analysis - Steps Implemented (All Partners)
14.00-14.15	Future steps (All Partners)
14.15-14.30	<p>Discussion</p> <ul style="list-style-type: none"> • Financial progress • Modifications • Next meeting scheduling
14.30-16.30	Lunch

➤ **Short presentation of the Partners' Organizations**

During Part A of the meeting, the partners presented their organizations and actions via brief presentations. The presentations were performed by Mr. Constantinos Michailidis for LP, by Mr. Ordan Chukaliev for LP2, by Mr. Gerasimos Thanasis for PP3 and by Mrs. Korina Styla for PP4.

➤ **General overview of the "WET AID" Project - Work Package Analysis - Steps Implemented**

During Part B of the meeting, Mr. Constantinos Michailidis, representative of LP1 – Decentralized Administration of Macedonia Thrace, provided a general overview of the project, its objectives and expected results. All completed Actions were discussed, since the beginning of the project and up to date, with the active participation of all Project Partners. Also, the status of the procurements of the PP's was discussed. Following, an analytic reference per Action and Deliverable per Working Package (WP) took place. Mr. Gerasimos Thanasis of PP3– Municipality of Volvi, presented their actions and their schedule of implementation. Finally, Ms Evangelia Terzopoulou, representative of PP4 – InterBalkan Environment Center, presented IBEC's implemented deliverables and future steps via brief presentation.



➤ **Future Actions**

During the third part of the meeting, Future Actions of the project were discussed. Specifically, JTS's representative pointed out that all partners should accelerate the implementation of the project activities, while ensuring the active participation and engagement of LP2 - Ss. Cyril and Methodius University in Skopje, Faculty of Agricultural Sciences and Food, in the successful implementation of the project through mutual exchange of know-how and an ongoing cooperation. At last, PP3 - Municipality of Volvi, was encouraged to accelerate the development of the project's website and logo, which will be useful tools for the wide dissemination of project activities and outputs.

➤ **Discussion**

During the final part of the project meeting, financial issues and general project implementation issues were discussed.

Financial Progress

Mrs. Konstantina Kouliali representative of the Joint Technical Secretariat of the IPA Cross-border Programme "Greece - The former Yugoslav Republic of Macedonia 2007- 2013", informed the PPs that they will be financed with almost all their budget, and she asked for implementation of the actions, absorption of funds and verification of expenditures. Also she asked the PPs to inform her on time if they need more funds for their payments earlier.

Mr. Constantinos Michailidis, representative of LP1 – Decentralized Administration of Macedonia Thrace, remind the PPs that the next PR of the project has to be done until the 20th of April.

Modifications

Mrs. Konstantina Kouliali representative of the Joint Technical Secretariat of the IPA Cross-border Programme "Greece - The former Yugoslav Republic of Macedonia 2007- 2013", informed the PPs that until now there are three modification of the Application Form. The final Application Form is already in the files of the LP1, so Mr. Constantinos Michailidis, will send it to all partners, in order that everybody is sure that it has the final version.



Time schedule for the finalization of the project

The JTS's representative reminded the participants that the Managing Authority will not accept any time extension. The implementation of the project deliverables and the financial fulfillment should be completed within schedule.

Next meeting scheduling

LP1 announced that the next project meeting is scheduled to be organized by them in Thessaloniki in May, 2016.

➤ Closure of the Meeting

Mrs. K. Styla, representative of PP4 – InterBalkan Environment Center made an overall summary of project's meeting and decisions, thanked all participants for their active involvement in the project and for their participation in this fruitful project meeting. Also thanked all participants for their continuous contribution and support to the project implementation and closed the meeting.

Attachments

- 1) Meeting Agenda & Invitation
- 2) Participants' List
- 3) Photos
- 4) Presentations

The Project is co-funded by the European Union and by National Funds of the Participating Countries under the IPA Cross-Border Programme "Greece - The former Yugoslav Republic of Macedonia 2007-2013"



KICK OFF MEETING AGENDA of the project

**"WET-AID -
Protection of Human Life and Environmental
Health through Sustainable Management
of Agrarian Landscapes"**

Venue:

Interbalkan Environment Center

18 Loutron Str., P.C. 57200, Lagadas, Greece*

**[GOOGLE MAPS](#)*

Tuesday 29/03/2016

- 11:30–12:00** Arrival of participants and registration
- 12:00–12:10** Opening of the meeting and Welcome speech (LP1 & PP4)
- 12:10–12:30** Short presentation of the Partners' Organizations (All Partners)
- 12:30-12:45** General overview of the **"WET – AID"** Project (LP1)
- 12:45-14.00** Work Package Analysis - Steps Implemented (All Partners)
- 14.00-14.15** Future steps (All Partners)
- 14.15-14.30** General Discussion (Financial progress, Modifications, Next meeting scheduling, etc) (All Partners)
- 14.30-16.30** Lunch

End of meeting

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Participation List, Kick-off Meeting, InterBalkan Environment Center, 29th March 2016,
 "WET_AID - Protection of human life and environmental health through sustainable management of agrarian landscapes", "Greece-The former Yugoslav Republic of Macedonia 2007-2013"

IAA	Name - Surname	Institution	Telephone	E-mail	Signature
1	Constantinos Michailidis	Regional Council of Macedonia Alm. May - June Decentralized	2310703004	k.michailidis@rd.tmg.gr	
2	Angelika Chantziaridou	D1-NT	2313 309377	achantziaridou@rd.tmg.gr	
3	Evangelia Repe	D1-NT	2313 309951	erepe@rd.tmg.gr	
4	Thomas Gerasimos	Municipality of Volvi	2327097200	gthomas@rd.tmg.gr	
5	Kyriakos Evangelos	Municipality of Volvi	2327026600	kape@rd.tmg.gr	
6	Konstantinos	ITS GR-FYROM	2310 024053	konstantinos@rd.tmg.gr	
7	Stylio Koriva	IBEC	23940 23485	skoriva@rd.tmg.gr	
8	ORDAN CHUKALIEV	FACULTY OF AGRICULTURE SCIENCES & FOOD	+359 70 328863	CHUKALIEV@GMAIL.COM	
9	Tzvetoslav Samuilov	IBEC	23240 23485	tsamuilov@rd.tmg.gr	

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Picture 1



Picture 2



Picture 3

WET-AID

“ Protection of human life and environmental health through sustainable management of agrarian landscapes “

KICK-OFF MEETING
at the premises of Balkan Environment Center
Lagkadas, 29/03/2016

The IPA Cross-Border Programme "Greece – The former Yugoslav Republic of Macedonia 2007-2013" is co-funded by the European Union and by National Funds of the Participating Countries



WET-AID PARTNERS

GREECE

- Decentralized Administration of Macedonia and Thrace/ **LP 1)**
- Municipality of Volvi/ **P 3)**
- Balkan Environment Center / **P 4)**

THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA

- Ss. Cyril and Methodius University in Skopje, Faculty of Agricultural Sciences and Food/ **LP 2)**

WET-AID

BUDGET & DURATION

TOTAL BUDGET OF THE PROJECT

LP 1	180.000,00 €
LP 2	0 €
P 3	115.000,00 €
P 4	245.500,00 €
TOTAL	540.500,00 €

DURATION: 25 MONTHS

START: 16/02/2015 / END:30/09/2016

WET-AID OBJECTIVES

To protect the aqueous and terrestrial environment and public health of the test sites/water bodies, local population through water and soil ecosystem management.

Specific objectives of the project are:

- a) to implement water quality and quantity monitoring actions in the test sites of the project and to carry out a subsequent environmental evaluation of the system's performance
- b) to develop common methodology standards for the water and soil ecosystems management in the context of protecting environmental and human health
- c) to increase public awareness of local communities on water quality and quantity issues and landuse practices and increase protection of public health from environmental hazards
- d) to improve relations among participating countries (Greece-FYROM) and to establish of bonds for future cooperation

WET-AID

EXPECTED RESULTS

- a) Guidelines for monitoring environmental and public health indicators in protected areas.**
- b) The impacts of economic activities around protected areas on environmental and public health**
- c) The assessment of the current status of the protected areas concerning the water quality and quantity**
- d) The development of guidelines for the protection of environment and public health from natural risks and water pollution events.**
- e) Proposed actions that will contribute to the protection of public health and in the same time to the enhancement and conservation of environmental health.**
- f) Public awareness and increased citizens' sense of security and safety (from outputs).**

WET-AID WORK PACKAGES

<u>WP 1</u>	<u>Management & Coordination</u>
<u>WP 2</u>	<u>Information & Publicity</u>
<u>WP 3</u>	<u>Risk and impact assessment</u>
<u>WP 4</u>	<u>Soil and water resources management solutions for the conservation of environmental and human health</u>
<u>WP 5</u>	<u>Regional planning improvement and exchange of know-how</u>

WET-AID

WORK PACKAGES / ACTIONS

WP 1: Management & Coordination

Action 1.2	Management Actions
Action 1.3	Project meetings-Technical expert groups

WET-AID

WP 1: Management & Coordination

Action 1.2: Management Actions

No	Deliverable Title	Contribution	End
1.2.1 1.2.2 1.2.3	Progress Reports Actions	<p>LP1 Coordination and final delivery of the reports</p> <p>P3 and P4 contribute to the progress reports by providing feedback about their actions.</p> <p>LP1 is responsible for Data collection, and submission of financial reports to the JTS , cash flows</p> <p>P3 and P4 will contribute to the financial reports by providing feedback about their expenses</p>	30/9/16

WET-AID

WP 1: Management & Coordination

▪ 1.2.1 PROGRESS REPORTS & MANAGEMENT ACTIONS

THE DEADLINE FOR THE SUBMISSION OF THE PROGRESS REPORT IS 20 DAYS FROM THE END OF THE REPORTING PERIOD ACCORDING TO THE FOLLOWING SCHEDULE:

Reporting Periods	Deadlines for the submission of progress reports
January - March	20 th of April of the respective year
April - June	20 th of July of the respective year
July - September	20 th of October of the respective year
October – December	20 th of January of the next year
Final Report	Together with the last progress report

WET- AID

WP1 / DELIVERABLES

Action 1.3: Project meetings –

No	Deliverable Title	Contribution	End
1.3.1 1.3.2 1.3.3	Project meetings	<p>LP1 has to organize 2 meetings and to participate in 2 meetings</p> <p>P3 has to organize 1 meeting & to participate in 3 meetings</p> <p>P4 has to organize 1 meeting & to participate in 3 meetings.</p> <p>Meetings may take place together with other activities such as Conferences.</p> <ul style="list-style-type: none"> • 2nd meeting is proposed to be organized by LP1 in Thessaloniki (<i>May 2016</i>) • 3rd meeting is proposed to be organized by P4 (Beg. July 2016) • 4th meeting is proposed to be organized by LP1 in Thessaloniki (<i>September 2016</i>) 	30/9/16

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WORK PACKAGES / ACTIONS

WP 2: Information & Publicity

Action 2.1	Printed and electronic information material
Action 2.2	Publicity and promotion actions
Action 2.3	Web site

WET -AID

WP2:Information & Publicity

Action 2.1: Printed and electronic information material

No	Deliverable Title	Contribution	End
2.1.1 2.1.2	Printed & Electronic publicity material	LP1 has to produce 500 Brochures, 100 Folders containing 100 USBs, 100 notepads & 100 pens , 50 Posters LP1 will have a contract (May) P3 has to produce Folders containing Cds, Brochures, notepads & pens (75), Posters (50)	30/9/16

WET -AID

WP2:Information & Publicity

Action 2.2: Publicity and promotion actions

No	Deliverable Title	Partner	Contribution	End
2.2.1	Organization of the Project Conference	LP1	LP1 –Project Conference All pp Participate	30/9/16
2.2.2	Communication Plan - delivery of report	LP1	LP1 Communication Plan	30/5/16
2.2.3	Project Conference Material	LP1	LP1 Project Conference Material	30/9/16

WET -AID

WP2:Information & Publicity

Action 2.3: Web Site

No	Deliverable Title	Partner	Contribution	End
2.3.1	Web Site	P3	Web site delivery	30/6/16

WET-AID

WORK PACKAGES / ACTIONS

WP3: Risk and impact assessment

Action 3.1	Environmental and public health monitoring framework
Action 3.2	Assessing the impacts of economic activities around protected areas on environmental and public health
Action 3.3	Geodatabase
Action 3.4	Pilot application of health and impact assessment techniques in Greek protected areas

WET-AID

WP3: Risk and impact assessment

Action 3.1: Development and support of Geodatabase and client application

No	Deliverable Title	Contribution	End
3.1.1	Study of environmental monitoring framework	P4 Delivery of study	30/1/16

WET-AID

WP3: Risk and impact assessment

Action 3.2: Assessing the impacts of economic activities around protected areas on environmental and public health

No	Deliverable Title	Contribution	End
3.2.1	Study of impact assessment of economic activities around protected areas on environmental health	P4 is responsible for the Delivery of study	16/12/15

WET-AID

WP3: Risk and impact assessment

Action 3.3: Geodatabase

No	Deliverable Title	Contribution	End
3.3.1	Geodatabase	LP1 is responsible for the development of the Geodatabase. We have received only one offer and the contract will be signed by 15 th April	16/5/16
3.3.2	Geodatabase manual	LP1 is responsible for the development of the Geodatabase. We have received only one offer and the contract will be signed by 15 th April	16/5/16

WET-AID

WP3: Risk and impact assessment

Action 3.4: Pilot application of health and impact assessment techniques in Greek protected areas

No	Deliverable Title	Contribution	End
3.4.1	Supply of equipment	LP1 Supply of equipment for the pilot monitoring	30/6/16
3.4.2	Inventory of economical activities in study area	P3 Delivery of report	30/6/16
3.4.3	Monitoring activities in greek protected area	P4 Delivery of report	30/6/16
3.4.4	Supply of equipment	P4 Supply of equipment for the pilot monitoring	30/6/16

WET-AID

WORK PACKAGES / ACTIONS

WP4: Soil and water resources management solutions for the conservation of environmental and human health

Action 4.1	Ecohydrological modeling of water resources for the confrontation of natural risks on public health and the conservation of environment
Action 4.2	Landuse planning and soil ecosystem management in agrarian landscapes for pollution control and protection of environmental and human health
Action 4.3	Action plan for the conservation of environmental and public health in agrarian landscapes in protected areas in Greece

WET-AID

WP4: Soil and water resources management solutions for the conservation of environmental and human health

Action 4.1: Recording of environmental pressure and soil degradation

No	Deliverable Title	Contribution	End
4.1.1	Ecohydrological modeling of water resources for the confrontation of natural risks on public health and the conservation of environment	P4 will develop a report	16/7/16

WET-AID

WP4: Soil and water resources management solutions for the conservation of environmental and human health

Action 4.2: Recording of soil mechanics and geotechnical mapping

No	Deliverable Title	Contribution	End
4.2.1	Landuse planning and soil ecosystem management guidelines for pollution control	P4 Delivery of guide	16/7/16

WET-AID

WP4 Soil and water resources management solutions for the conservation of environmental and human health

Action 4.3: Action plan for the conservation of environmental and public health in agrarian landscapes in protected areas in Greece

No	Deliverable Title	Contribution	End
4.3.1	Action plan development for the Greek site	P3 will develop and Action plan development for the Greek site	16/7/2016

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WORK PACKAGES / ACTIONS

WP 5: Regional planning improvement and exchange of know-how

Action 5.1	Regional strategies for the protection of human life and environmental health
Action 5.2	“Know how” transfer

WET-AID

WP5: Regional planning improvement and exchange of know-how

Action 5.1: Regional strategies for the protection of human life and environmental health

No	Deliverable Title	Contribution	End
5.1.1	Regional strategies guidelines for the protection of human life and environmental health for Greece	LP 1 is responsible to produce a guide	16/7/16

WET-AID

WP5: Regional planning improvement and exchange of know-how

Action 5.2: “Know how” transfer

No	Deliverable Title	Contribution	End
5.2.1	Training seminars	LP1 will organize 1 training seminar	30/9/16
5.2.2	Training seminars	P3 will organize 1 training seminars	30/9/16

THANK YOU!

DECENTRALIZED ADMINISTRATION OF MACEDONIA-THRACE / REGIONAL DEVELOPMENT FUND OF CENTRAL MACEDONIA EU PROJECTS TEAM

Name	<u>email</u>
<u>Michailidis Constantinos</u>	<u>k.michailidis@rdfcm.gr</u>
<u>Evaggelia Repa</u>	<u>erepa@damt.gov.gr</u>
<u>Anastasia Chatzaridou</u>	<u>aha@damt.gov.gr</u>
<u>Sofia Filippeli</u>	<u>sfilippeli@damt.gov.gr</u>





i-BEC



**INTERBALKAN
ENVIRONMENT CENTER**

PARTICIPATING ORGANISATION

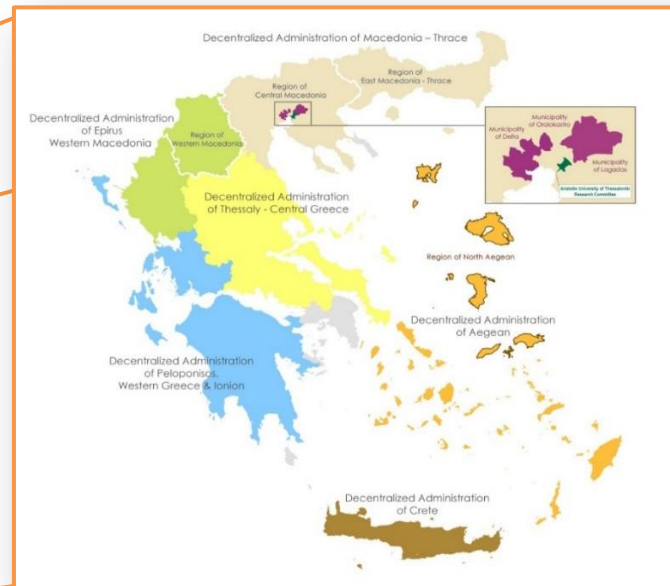


GROUP ON
EARTH OBSERVATIONS

i-BEC Short Introduction

i-BEC

i-BEC is a public-private network that links local communities and countries in the wider Balkan area, with the EU, UN agencies and latest technologies for sustainable management of natural resources and protection of the environment, **by engaging stakeholders in problem identification and solution.**



6 Decentralized Administrations,
4 Regions,
3 Municipalities,
1 University

International



i-BEC acts through a global network in cooperation with governmental organizations, research institutes and the private sector



i-BEC's role as an international **CLUSTER** of new technologies and innovation links together the public and private sectors for Environment and protection of Natural Resources



- i-BEC is a Participating Organisation in GEO
- Member of the GEO High Level Working Group
 - Member of several prestigious National & International Organisations
 - Associate member of the Open Geospatial Consortium

Services

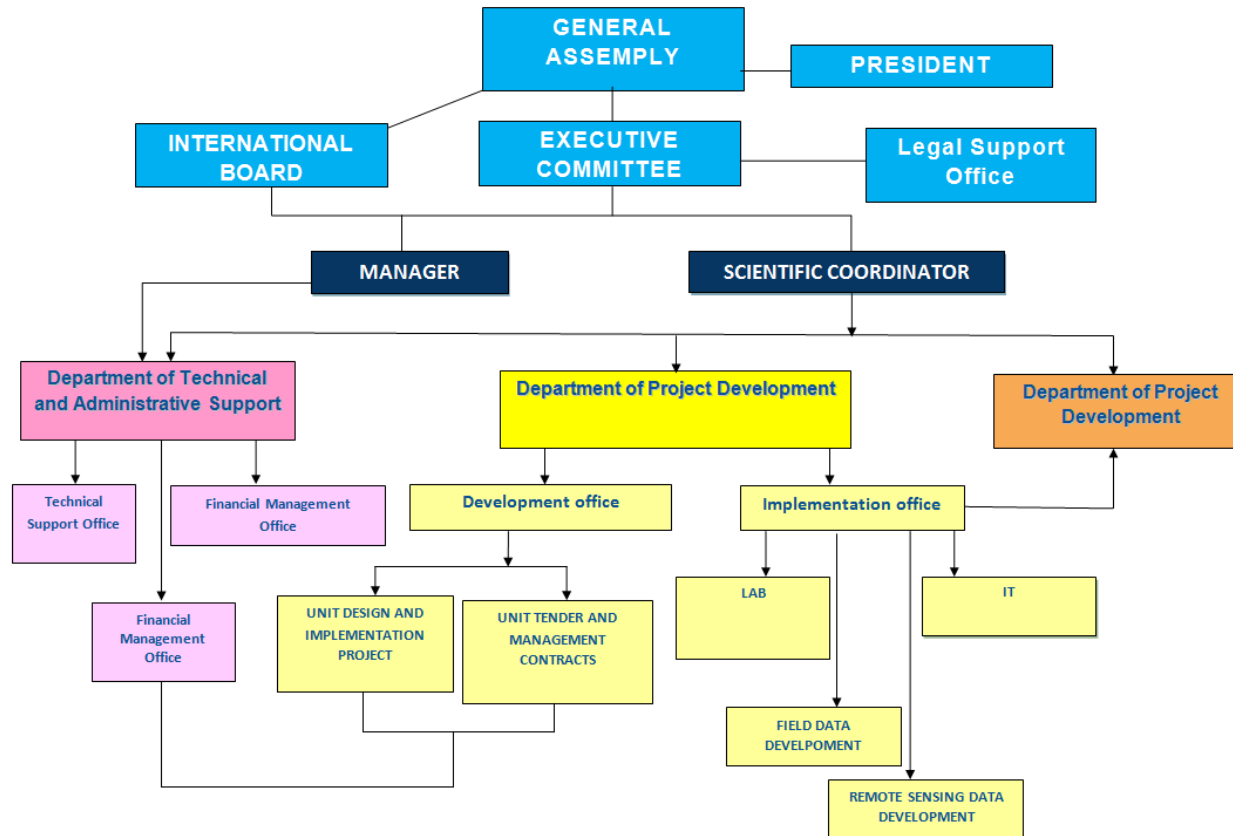
i-BEC provides:

- **Scientific support for governmental structures related to sustaining development at local, regional, national and international levels**
- **Support for Sustainable Development, Management and Protection of Natural Resources**
- **Provision of integrated reliable solutions and services in the Environmental sector and is actively involved in trans-national exchange and application of knowledge and best management practices overseas, in Europe, the Balkans and Internationally**
- **Enhanced competitiveness of the private sector through sustainable use of natural resources in production processes and activities**



It is staffed by qualified interdisciplinary scientists: agronomists, chemists, biologists, computer scientists, geologists, environmentalists, civil engineers, environmental engineers, economists, cartographers, mechanical and electrical engineers and others

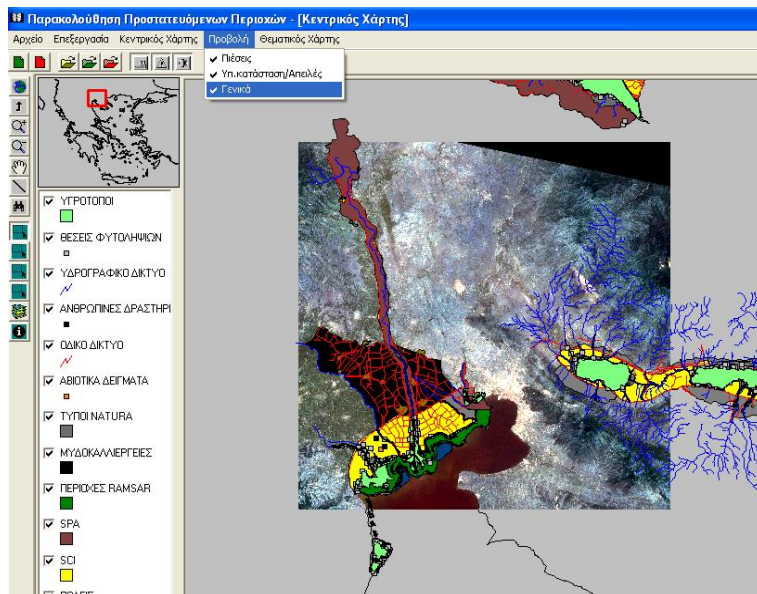
Structure - Departments



- ❖ Balkan Environment Center has Administrative Sufficiency of Type B (Prot.No.180078/12-01-2011) from Ministry of Environment, Energy and Climate Change.

Infrastructure

❖ Chemical Laboratory: Chemical Tests on Surface/ground water (Accreditation Certificate No 720, according to ELOT EN ISO/IEC 17025:2005)



❖ Performs environmental activities at multiple levels, using remote sensing and GIS technologies.

❖ Fully qualified (equipment and software), for the intercalibration of telemetric systems and the processing of telemetric data



Equipment



Projects

- ❖ "FLINKMAN - A Stakeholders' Linking Framework for Flood Management", (grant agreement reference No 070401/2009/540443/SUB/A4)
- ❖ "ACCOLAGOONS - Actions for the conservation of coastal habitats and significant avifauna species in NATURA 2000 network sites of Epanomi and Aggelochori Lagoons, Greece", LIFE+ Nature & Biodiversity
- ❖ "AutoNest - Automated Telemetric applications for operational monitoring in Nestos River Basin", European Territorial Cooperation Programme, GREECE - BULGARIA 2007-2013
- ❖ "GEO-PROMOTION - Joint framework for the provision of standardized services to Geotechnical engineers for (e)training on natural risks - civil protection and for promoting access to the labour market", European Territorial Cooperation Programme GREECE - BULGARIA 2007-2013
- ❖ "RIVERALERT - Decision Support System for flood risks alert in Strymon/Struma River Basin", European Territorial Cooperation Programme GREECE - BULGARIA 2007-2013
- ❖ "WETLAB-USE - Network of reference Labs assessing environmental quality for water uses", European Territorial Cooperation Programme GREECE - BULGARIA 2007-2013
- ❖ "AGRO_LESS Joint reference strategies for rural activities of reduced inputs", European Territorial Cooperation Programme GREECE - BULGARIA 2007-2013
- ❖ «CIVILWATER – Conservation and quality assurance of municipal water in the crossborder area», European Territorial Cooperation Programme GREECE - BULGARIA 2007-2013
- ❖ «Leveraging forest biomass (logging residues) for production – standardization of refined solid biomass fuel. Impacts on forest ecosystems», GREEN FUND, GR
- ❖ «Initiation and Pilot Operation of The National Observatory of Forest Fires (NOFFi) – Development of fire indices, products and services related to the prevention of forest fires as well as the estimation of the impacts», GREEN FUND, GR



European Civil Protection





THANK YOU FOR YOUR ATTENTION

More Info: www.i-bec.org

***“Our basic mission is maximum benefit for both the environment
and the people”***

IPA Cross-Border Programme Greece – The former Yugoslav Republic of Macedonia 2007-2013

“WET-AID”



DECENTRALISED ADMINISTRATION OF MACEDONIA-THRACE

The IPA Cross-Border Programme "Greece – The former Yugoslav Republic of Macedonia 2007-2013"
is co-funded by the European Union and by National Funds of the Participating Countries



LOCATION

The Decentralised Administration of Macedonia-Thrace is located in the north part of Greece



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CAPITAL

- Capital city of the Decentralised Administration of Macedonia-Thrace is Thessaloniki
- Thessaloniki is the second largest city in Greece in terms of population
- Thessaloniki is one of the biggest harbors in the Mediterranean. Due to its unique location Thessaloniki serves as a gateway to the Balkan area. It also operates as hub in the framework of a new trading network within South-East Europe and the wider east Mediterranean area

DECENTRALISED ADMINISTRATIONS AS DECENTRALISED STATE AUTHORITIES

Established by the law 3852/2010 (Kallikratis Programme - Reform of the regional / local governance). According to the law 3852/2010 decentralized administrations are successive structures of the former state regions.

Decentralised Administration of Macedonia - Thrace

The Decentralised Administration of Macedonia -Thrace (DAMT) is one of the seven decentralized administrations of Greece and the second most populous decentralized administration—with a population of around 2 million- after the Decentralized Administration of Attica. It is a wide spatial unit with an independent management system which contains the Region of Central Macedonia and the Region of Eastern Macedonia and Thrace.

AIM

The aim of the DAMT is to respond to the requirements of territorial, social and economic cohesion, on the basis of functional and developmental criteria, with the aim to promote the overall national competitiveness. As every decentralized administration, DAMT serves as a strong administrative unit which assists the decentralization of the state functions and promotes the efficient coordination of the development planning at the regional level. It provides a meeting point for the collaboration between the regional authorities, the first degree of local government and the decentralized administration itself.

COMPETENCES

DAMT is responsible for a series of actions. It deals with state affairs which were previously under the control of the Administrative Regions and due to their nature or due to constitutional reasons cannot be transferred to the control of the regional authorities and thus remains under the state administration. Environmental policies, immigration policies, forestry policies, territorial planning are some examples of these. In addition, DAMT has undertaken the responsibility for the activities that are being gradually decentralized as a result of not being necessary for them to be performed by central administration. This has the intention to facilitate the efficient coordination and control of central administration. Last but not least it is responsible for the decentralized services of ministries in the cases where this is considered appropriate.

LOCATION – STAFF

The DAMT's headquarters are located in Thessaloniki and the current Secretary General is Dr. Nikitas Fragkiskakis. The DAMT employs 1700 staff.

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PREVIOUS EXPERIENCE IN EUROPEAN FUNDED PROJECTS PROGRAMMING PERIOD 2007-2013

European Programme for Territorial Cooperation MED 2007-2013

APICE : Common Mediterranean strategy and local practical Actions for the mitigation of Port, Industries and Cities Emissions.

European Programme Interreg IVC 2007-2013

INNOPOLIS : Innovation Policy in University City Regions

South East Europe – Transnational Cooperation Programme 2007-2013

CC-WARE : Mitigating Vulnerability of Water Resources under Climate Change

BSB Joint Operational Programme 2007-2013

ECO-SATELLITE : Development of a common intraregional monitoring system for the environmental protection and preservation of the Black Sea

PREVIOUS EXPERIENCE IN EUROPEAN FUNDED PROJECTS PROGRAMMING PERIOD 2007-2013

ETC PROGRAMME GREECE-BULGARIA 2007-2013

WETLABUSE : Network of reference Labs assessing environmental quality for water uses

RIVERALERT : Decision Support System for flood risks alert in Strymon/Struma River Basin

CIVILWATER : Conservation and quality assurance of municipal water in the cross border area

AGRO_LESS : Joint reference strategies for rural activities of reduced inputs

ENERGEIA : Fostering the use of low temperature geothermal sources through the development of operational exploitation guidelines and green energy solutions of enterprising

WET-AID

Protection of Human Life and Environmental Health through Sustainable Management of Agrarian Landscapes

Priority Axes: 1. Enhancement of cross-border economic development

Area of Intervention: 1.4. Protect Human Life

Kick-Off Meeting: 29th March 2016, Lagadas, Greece

PP4: Interbalkan Environment Center

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WET-AID : Expected Benefits

- ✓ The establishment of permanent infrastructure for the support of water and soil quality monitoring and analysis actions
- ✓ The development of water - soil quality monitoring and analysis methodology standards, calibration and debugging standards and data harmonization standards for both countries
- ✓ The training of personnel of participating bodies on the use of the established structures and the implementation of water – soil quality monitoring and analysis activities in the test sites of the project, in Greece and FYROM
- ✓ The increased public awareness of local population on water quality issues and increased protection of public health from environmental hazards
- ✓ The improved relations among participating countries/bodies and the establishment of bonds for future cooperation

WET-AID : Expected Outputs

- ✓ **Framework for environmental and public health monitoring**
- ✓ **Impact assessment of economic activities around protected areas on environmental and public health**
- ✓ **Water quality and quantity data for sites in the context of impact assessment of economic activities**
- ✓ **Ecohydrological modelling for the confrontation of natural risks on public health and the conservation of environment**
- ✓ **Landuse planning and soil ecosystem management**
- ✓ **Action plan for the conservation of environmental and public health**
- ✓ **Regional strategies for the protection of human life and environmental health**
- ✓ **Web site for the information of the public**
- ✓ **Printed and electronic material with the project's outcomes**
- ✓ **Mass media actions for publicity and promotion**

Working Packages – Actions

✓ W.P.1: Management & Coordination

Actions	Partners Involved - Status
<p>1.1 <i>Preparation Activities</i></p>	
<p>1.2 Management actions (Partner's contribution to the Progress Reports)</p>	<p>on going - will be completed by 30/9/2016</p> <p>All Partners – Next PR until 20/4 PP4 – Contribution to PR</p>
<p>1.3 Project meetings-Technical expert groups</p>	<p>on going - will be completed by 30/9/2016</p> <p>All Partners - PP4 Kick-Off meeting 29/3/2016 (Deliverable 1.3.3)</p>

WET-AID: i-BEC Committees

i-BEC Committee	Representative	Deputy
SCIENTIFIC ADVISORY BOARD (SAB)	Prof. G. Zalidis, Scientific Coordinator iBEC	E. Terzopoulou, Dr. Chemist
PROJECT MANAGEMENT COMMITTEE (PMC)	S. Tsiakiris, Financial Manager iBEC	K. Styla, Economist, MBA Financial Management
		E. Terzopoulou Dr. Chemist Deliverables Management

✓ W.P.2: Information & Publicity

Actions	Partners Involved - Status
<p>2.1 <i>Printed and electronic information material</i></p>	<p><i>will be completed by 30/9/2016</i></p> <p>LP1 – PP3</p>
<p>2.2 <i>Publicity and promotion actions</i></p>	<p><i>will be completed by 30/9/2016</i></p> <p>LP1</p>
<p>2.3 <i>Website of the Project (Web site delivery)</i></p>	<p><i>will be completed by 30/9/2016</i></p> <p>PP3</p>
<p>PP4 – Contribution to WP2</p>	

✓ W.P.3: Risk and Impact Assessment

Actions	Partners Involved - Status
<p>3.1 Environmental and public health monitoring framework (Delivery of the study)</p>	<p>Completed PP4 – Deliverable 3.1.1 The development of Guidelines for monitoring environmental health parameters in protected areas</p>
<p>3.2 Assessing the impacts of economic activities around protected areas on environmental and public health (Delivery of the study)</p>	<p>Completed PP4 – Deliverable 3.2.1 Impact assessment of economic activities (agriculture, livestock, industries etc) on the environment of protected areas as Mygdonia basin (study area). Develop environmental indicators that are essential for monitoring actions</p>

✓ W.P.3: Risk and Impact Assessment

Actions	Partners Involved - Status
<p>3.3 <i>Geodatabase</i></p>	<p><i>will be completed by 16/05/2016</i></p> <p>LP1</p>
<p>3.4 Pilot application of health and impact assessment techniques in Greek protected areas (Delivery of report)</p>	<p>on going - will be completed by 30/06/2016</p> <p>LP1 (3.4.1) - PP3 (3.4.2)</p> <p>PP4 – Deliverables 3.4.3 and 3.4.4</p> <p>Establishment of sampling methodology, parameters selection and site visitations</p> <p>Monitoring actions, evaluation of laboratory and telemetric data</p> <p>Supply of equipment - completed</p>

✓ W.P.4: Soil and water resources management solutions for the conservation of environmental and human health

Actions	Partners Involved - Status
<p>4.1 Ecohydrological modeling of water resources (water quantity) for the confrontation of natural risks such as mosquitoes and floods (Delivery report)</p>	<p>on going - will be completed by 16/07/2016 PP4 – Deliverables 4.1.1, Development guidelines for water resources management taking into account hydrological conditions, meteorological, landuse and soil data and water requirements of the area</p>
<p>4.2 Landuse planning and soil ecosystem management (Delivery of the guide)</p>	<p>on going - will be completed by 16/07/2016 PP4 – Deliverables 4.2.1, Proposal of management guidelines that would contribute to the pollution control in agrarian landscapes around protected areas</p>
<p>4.3 <i>Action plan for the conservation of environmental and public health</i></p>	<p><i>will be completed by 16/07/2016</i> PP3</p>

✓ W.P.5: Regional planning improvement and exchange of know-how

	Partners Involved - Status
<p>5.1 <i>Regional strategies for the protection of human life and environmental health</i></p>	<p><i>will be completed by 16/07/2016</i></p> <p>LP1</p>
<p>5.2 <i>Know-how transfer (Training seminars)</i></p>	<p><i>will be completed by 30/09/2016</i></p> <p>LP1 - PP3</p>

Environmental Indicators

The **“Wet-Aid”** project includes specific measurements in water and soil

The definition and the description of Environmental Indicators was completed at **Deliverable 3.1.1** as well as the impact they have in the environment and therefore in human health

Monitoring by Unmanned Surface Vehicle (USV)

An Unmanned Surface Vehicle (USV) is a kind of autonomous marine vehicles which travels on the surface of water and perform missions without human intervention. Thus, the importance of USVs lies in the fact that they are able to carry out tasks in variety of environments without jeopardizing human life

✓ Monitoring by Unmanned Surface Vehicle (USV)

- Monitor meteorological and oceanographic (metocean) conditions critical for safety or efficiency
- Optimise the planning and execution of operations sensitive to weather or time
- Comply with legislative requirements
- Trigger alarms when safe working limits are approached or exceeded
- Fine-tune weather forecasts using input of real-time data
- Verify weather forecasts by integrating the display of forecast and measured data

Environmental Indicators in Water

- ✓ temperature, pH, salinity, conductivity, DO, water level, total hardness, TDS, TSS
- ✓ TOC, COD, BOD₅, TN
- ✓ Na⁺, K⁺, Ca⁺², Mg⁺², NH₄⁺
- ✓ F⁻, Cl⁻, Br⁻, NO₃⁻, NO₂⁻, PO₄⁻³, SO₄⁻²
- ✓ C-Chlorophyll-a
- ✓ Cd, Pb, As
- ✓ Toxicity

Environmental Indicators in Soil

- ✓ **Soil Moisture**
- ✓ **Type of Soil**
- ✓ **Wet and Dry Bulk Density**
- ✓ **pH, Conductivity**
- ✓ **Total Nitrogen**
- ✓ **Organic Carbon OC% and Organic Matter %**
- ✓ **Cd, Pb, Cr**

Equipments of Laboratory



**Atomic Absorption Spectrometer A Analyst 800 of Perkin Elmer
and Ion Chromatograph LC 20 AD of Shimadzu**

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Equipments of Laboratory



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**Pasta
Saturation**

150 - 200g accurately
weighed soil sample



Add water
gradually
with a
pipette

Host
container

Stirring
continuously
with a
spatula

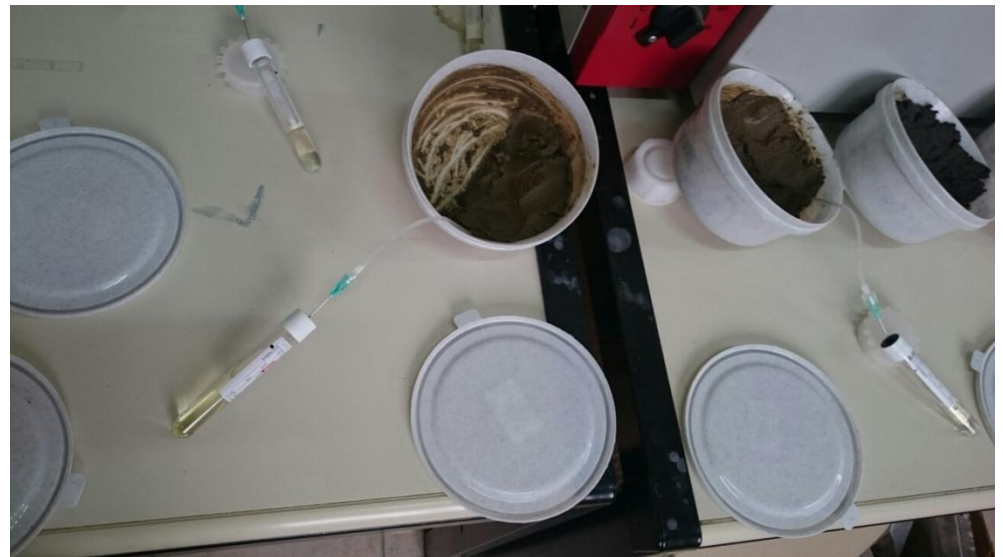
The saturation solution was
allowed 24 hours for the
exchange with the water

Filtration
using
ceramic
pump system

Analysis
pH, conductivity

The Saturation Paste

- ✓ The saturation paste achievement criteria is that there *is no free water on the surface* of the ground which must be shiny and the soil to flow freely from the spatula. Even when they opened small groove with a spatula in that territory to close gradually



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Heavy Metals

10 to 20 g soil sample

has been dried at a temperature of 105°C for 24 hours

Plastic container of 100 ml

Twice ml of the sample's gram from the DTPA solution

Shake for 2 hours at 120 rpm and filter



Analyses in Atomic Absorption

In filtrates

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Soil Texture and Total organic carbon

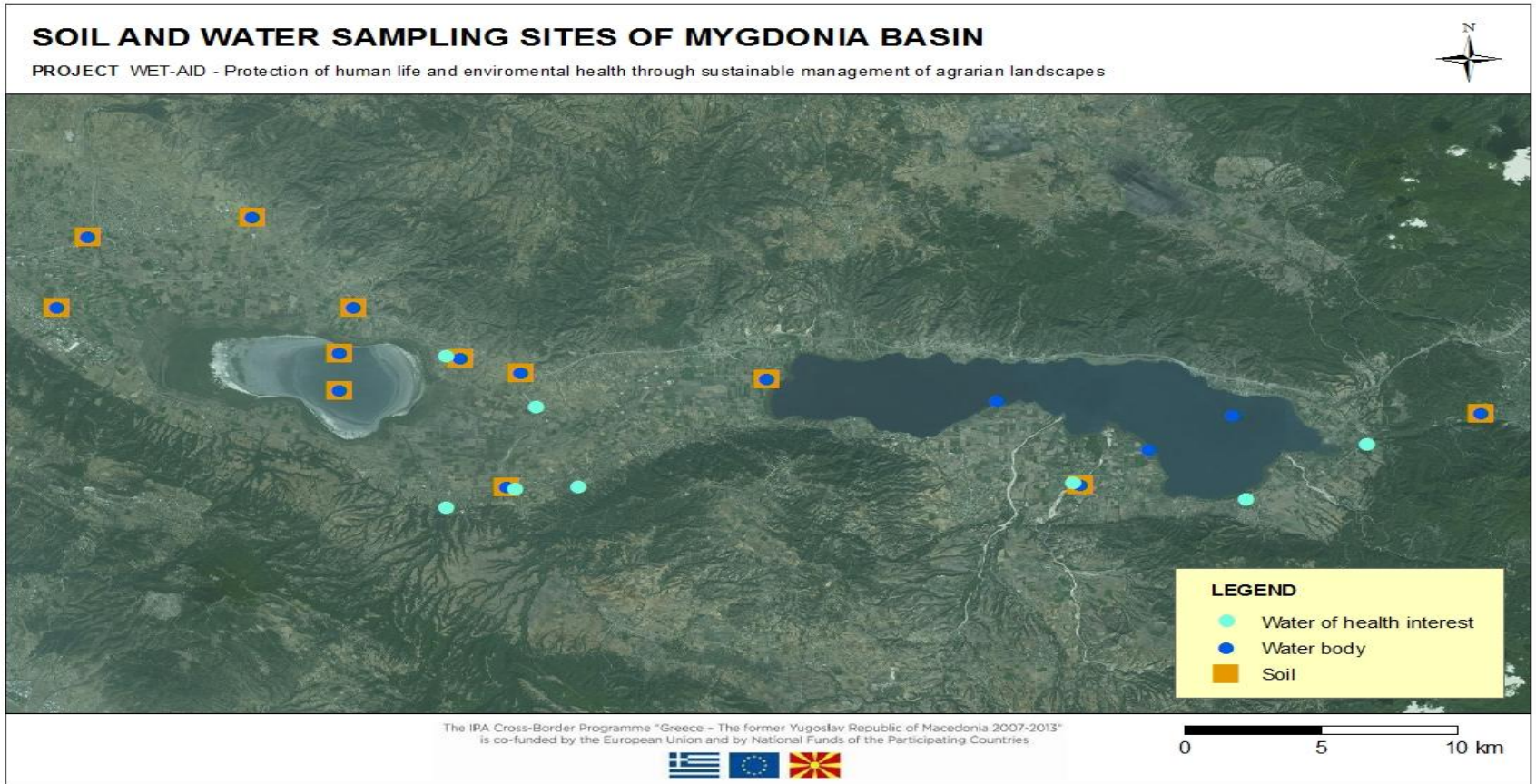
- Soil Texture with Bougioukou method analysis
- Total Organic Carbon with Walkley-Black wet combustion (0.1-10g soil sample)



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Study area with sampling points

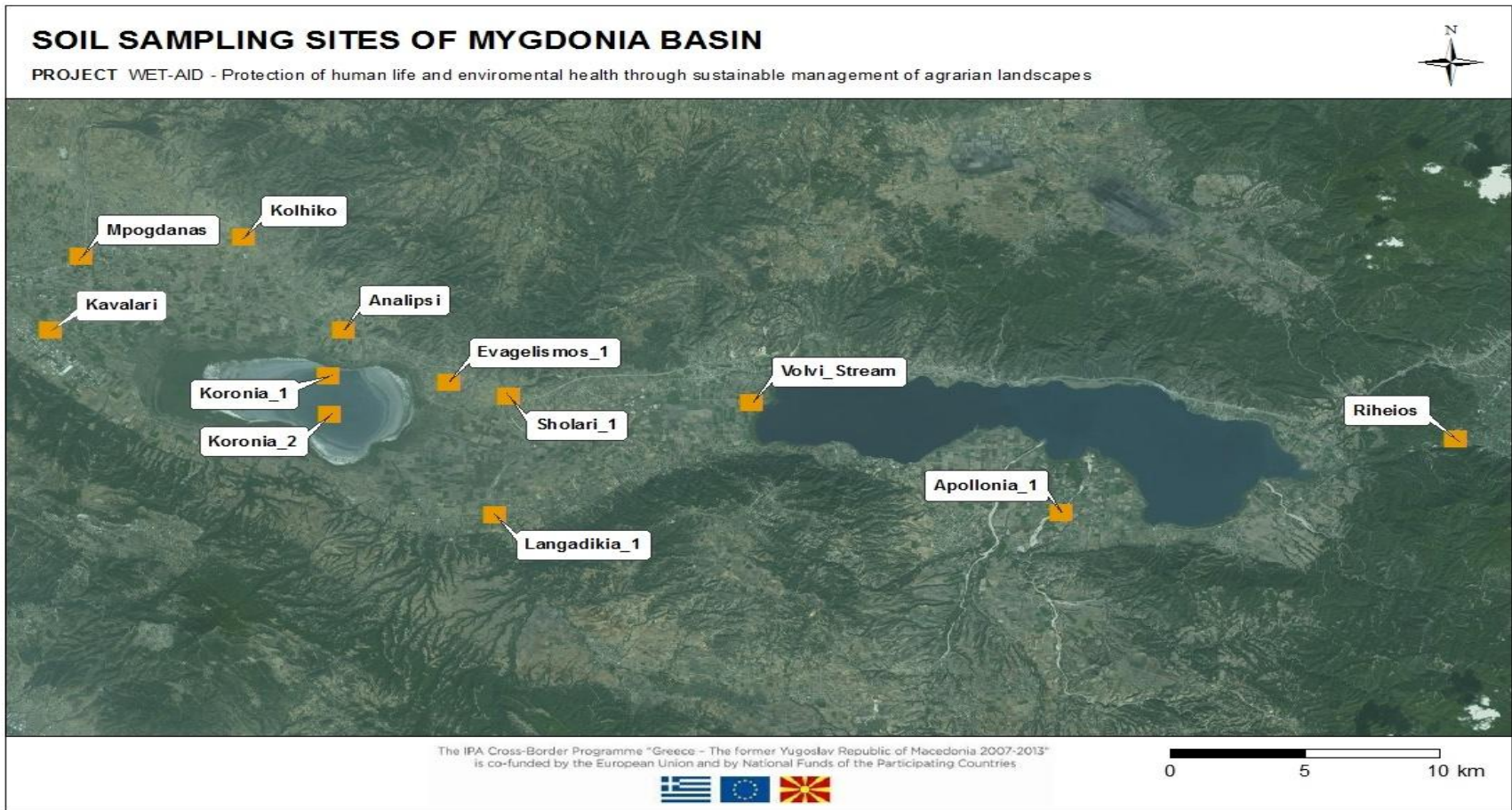


Study Protocol

- ✓ **Three sampling and analysis periods:
Autumn 2015, Winter and Spring 2016**



Study area with soil sampling points



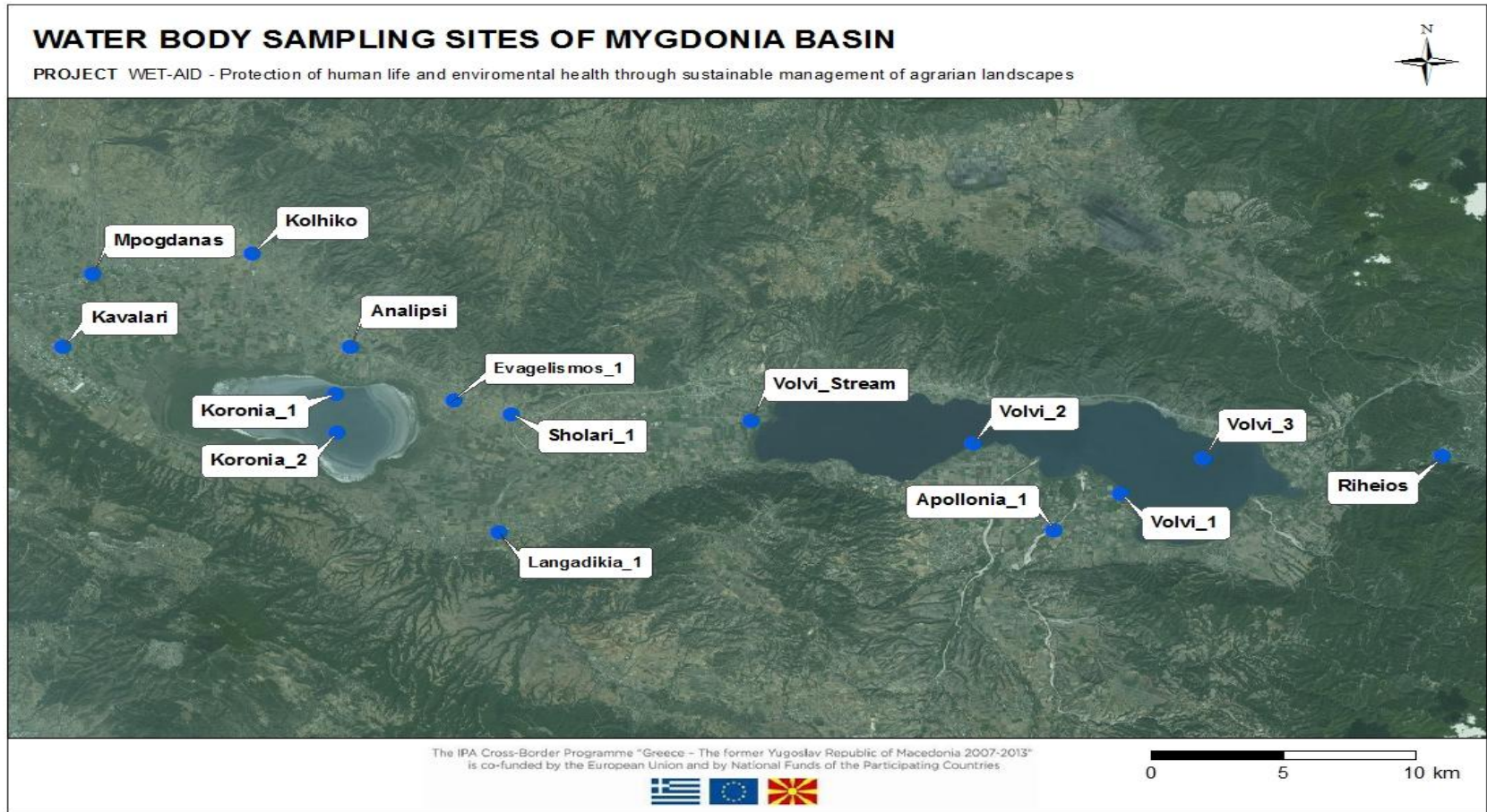
Soil Sampling at Sholari sampling point



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Study area with water sampling points



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Water Sampling at Volvi Lake



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Water Sampling at Volvi Lake



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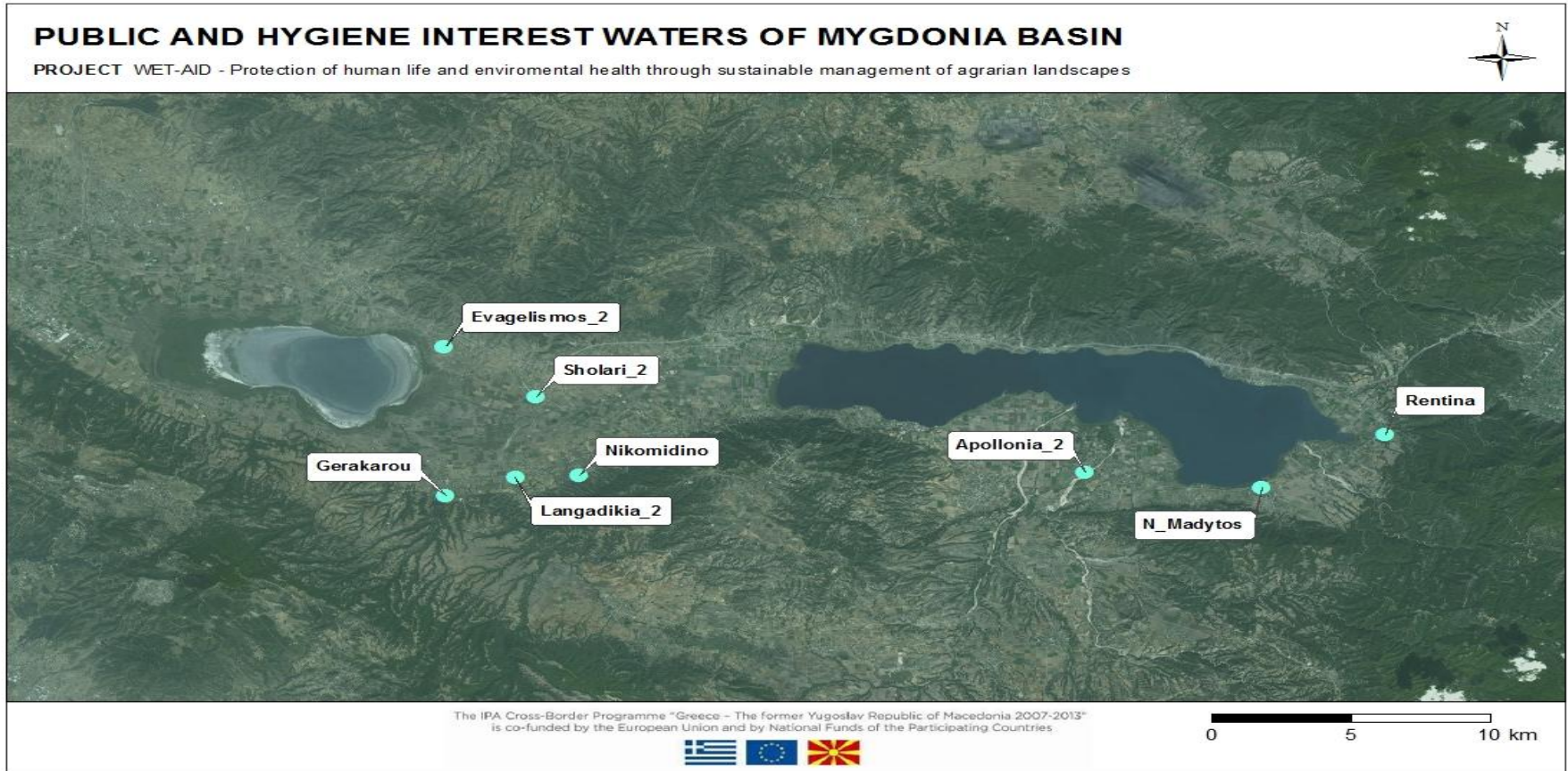
Water Sampling at Langadikia and Sholari sampling points



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Study area with tap water sampling points



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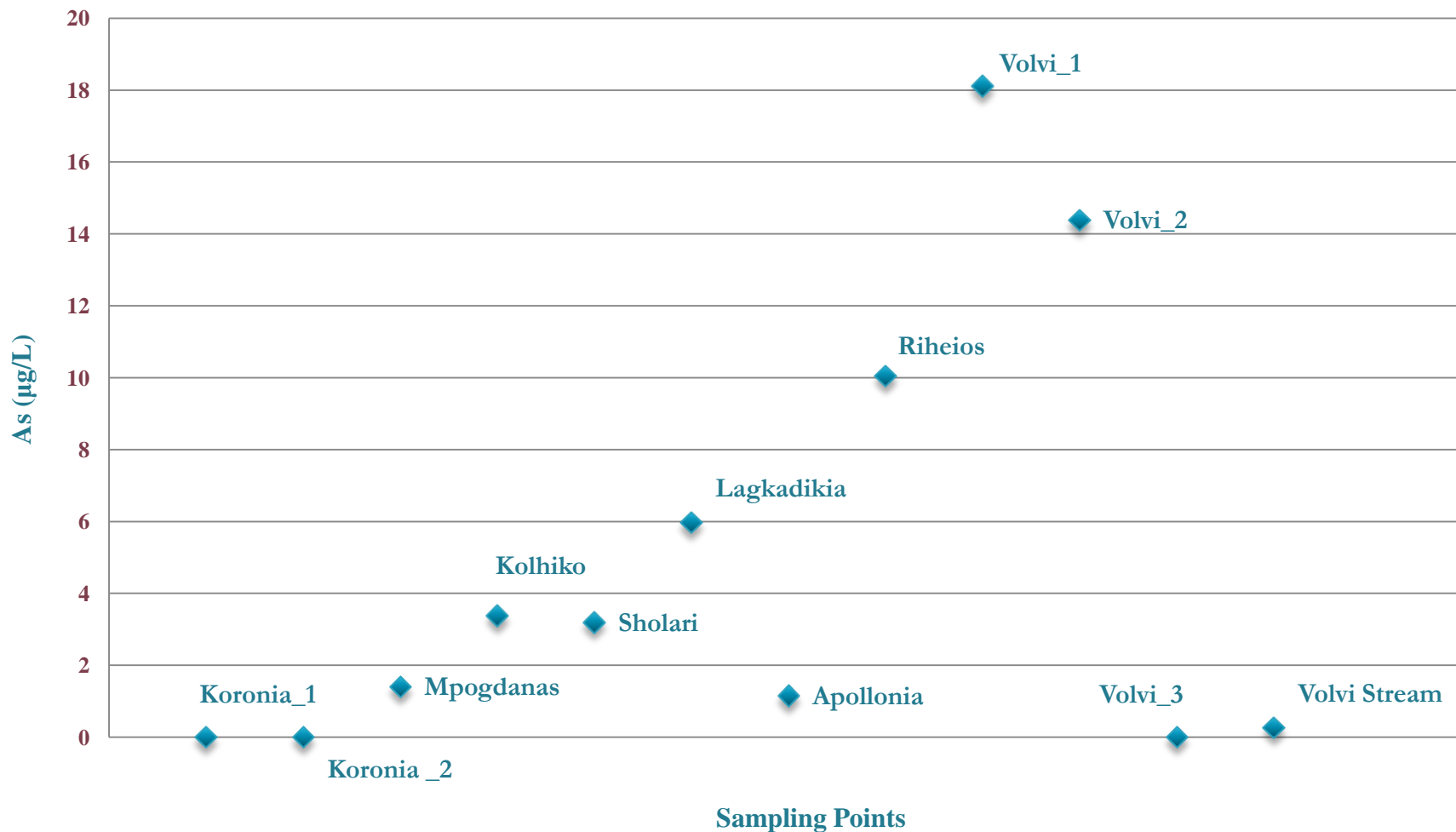
Tap Water Sampling at Langadikia and Madytos sampling points



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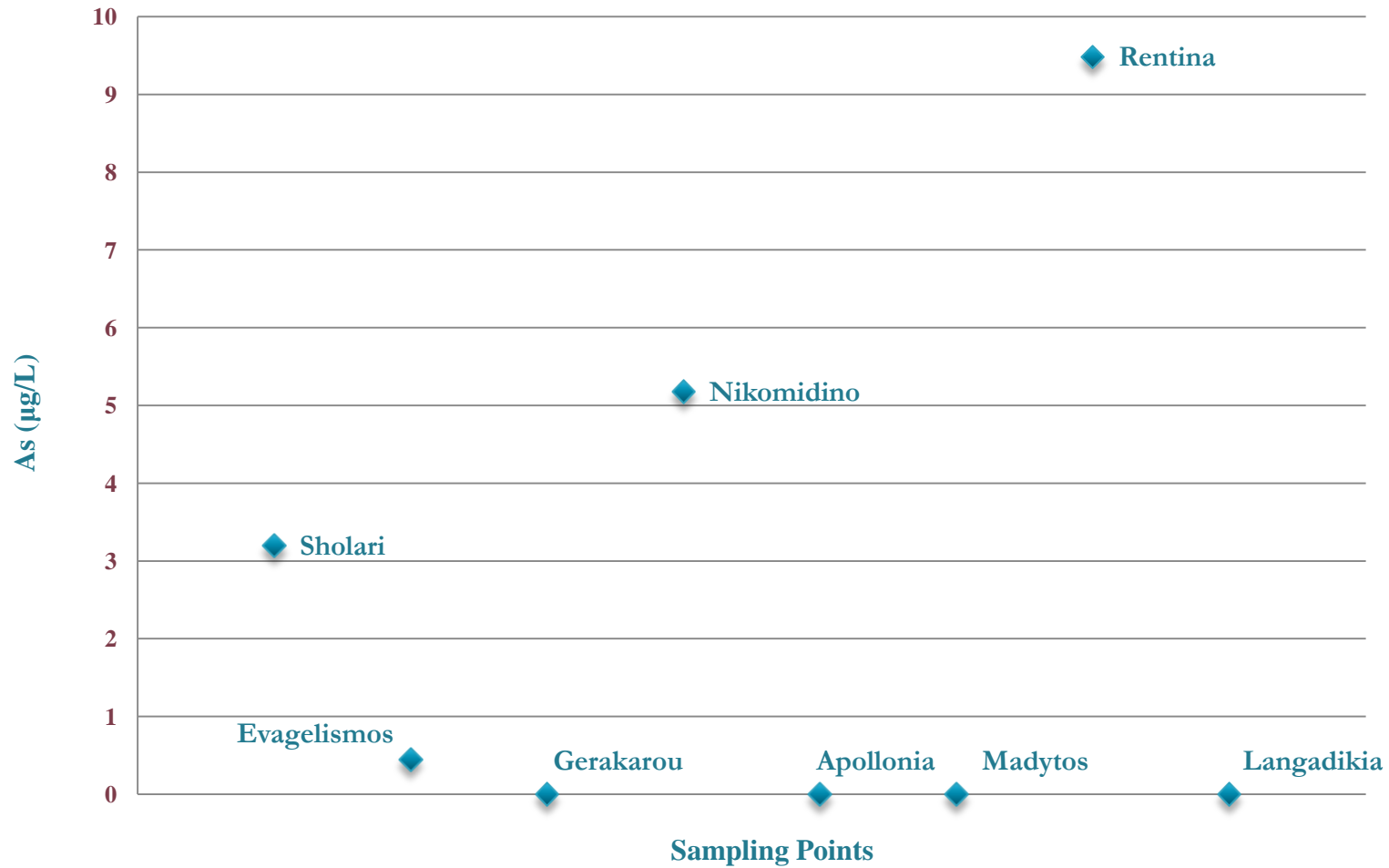
Arsenic in Water



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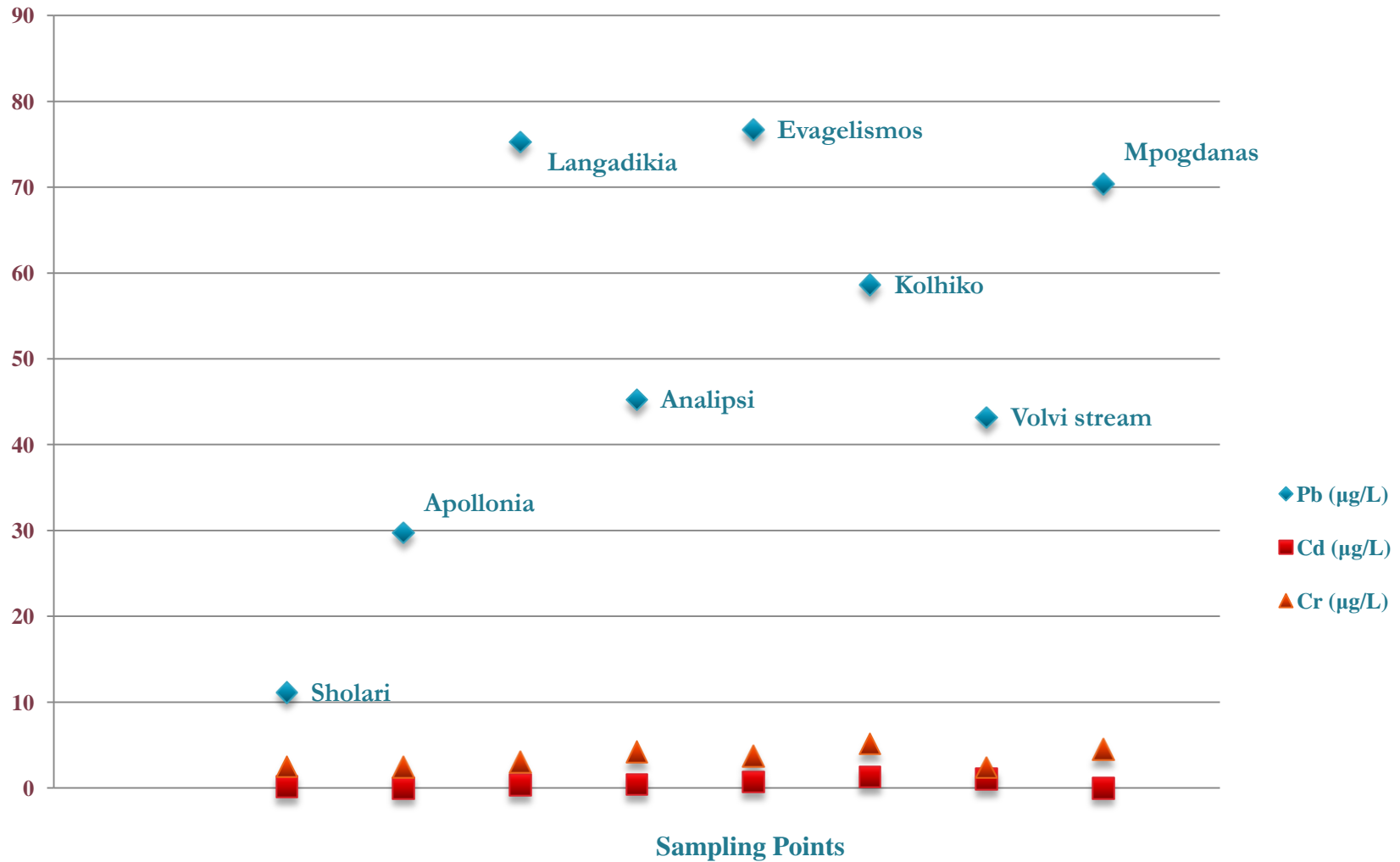
Arsenic in Tap Water



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Heavy Metals in Soil



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Conclusions from the first period

- ✓ The surface study area of soil is *SANDY*
- ✓ Concentrations of NO_3^- and NO_2^- are relatively high in tap water of Nikomidino, Madytos and Gerokarou
- ✓ Koronia Lake contained high concentrations of SO_4^{-2} , F^- , Na^+ as well as conductivity
- ✓ High concentrations of F^- presented in Lake Volvi and Riheios

WET-AID : Until now

- ✓ **Four Progress Report**
- ✓ **New Lead partner as observer: Ss. Cyril and Methodius University in Skopje, Faculty of Agricultural and Sciences**
- ✓ **Extension of Project Deadline**
- ✓ **Modification to Application Form, Procurement Plan and Activity Break-Up Table**



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WET-AID : Future Step

- ✓ Organization of meeting by LP1 during May 2016



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WET-AID: ECONOMIC STATUS

Timetable	Money Absorption
<p>UNTIL 31/12/2015 <i>(paid out)</i></p>	<p>10.000,00 €</p>
<p>UNTIL 15/04/2016 <i>(total paid out)</i></p>	<p>110.600,00 €</p>

The first verification of expenditures will be sent until the end of April 2016

Thank you for your attention and participation!

**Prof. G. Zalidis,
Scientific Coordinator iBEC**

Dr. Evi Terzopoulou