

adaptivgreece[®]

αλλάζουμε κλίμα

LIFE-IP AdaptInGR – Boosting
the implementation of adaptation
policy across Greece
LIFE17 IPC/GR/000006

LIFE-IP AdaptInGR - Boosting the implementation of adaptation policy across Greece

Participatory Lab: Urban adaptation to climate change

15 September 2021

Spyridoula Ntemiri,
Climate Change Project Manager
LIFE-IP AdaptInGr
Green Fund, GR



With the contribution of the
LIFE Programme of the
European Union



With the contribution
of the Green Fund





ΤΡΑΠΕΖΑ ΤΗΣ ΕΛΛΑΔΟΣ
ΕΥΡΩΣΥΣΤΗΜΑ



ΑΚΑΔΗΜΙΑ
ΑΘΗΝΩΝ

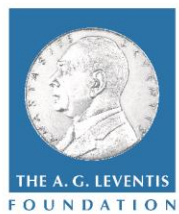


ΕΛΛΗΝΙΚΗ ΕΤΑΙΡΕΙΑ
Περιβάλλοντος και Πολιτισμού



ΜΑΡΙΟΛΟΠΟΥΛΕΙΟ - ΚΑΝΑΓΚΙΝΕΙΟ ΙΔΡΥΜΑ
ΕΠΙΣΤΗΜΩΝ ΠΕΡΙΒΑΛΛΟΝΤΟΣ

Με την υποστήριξη:

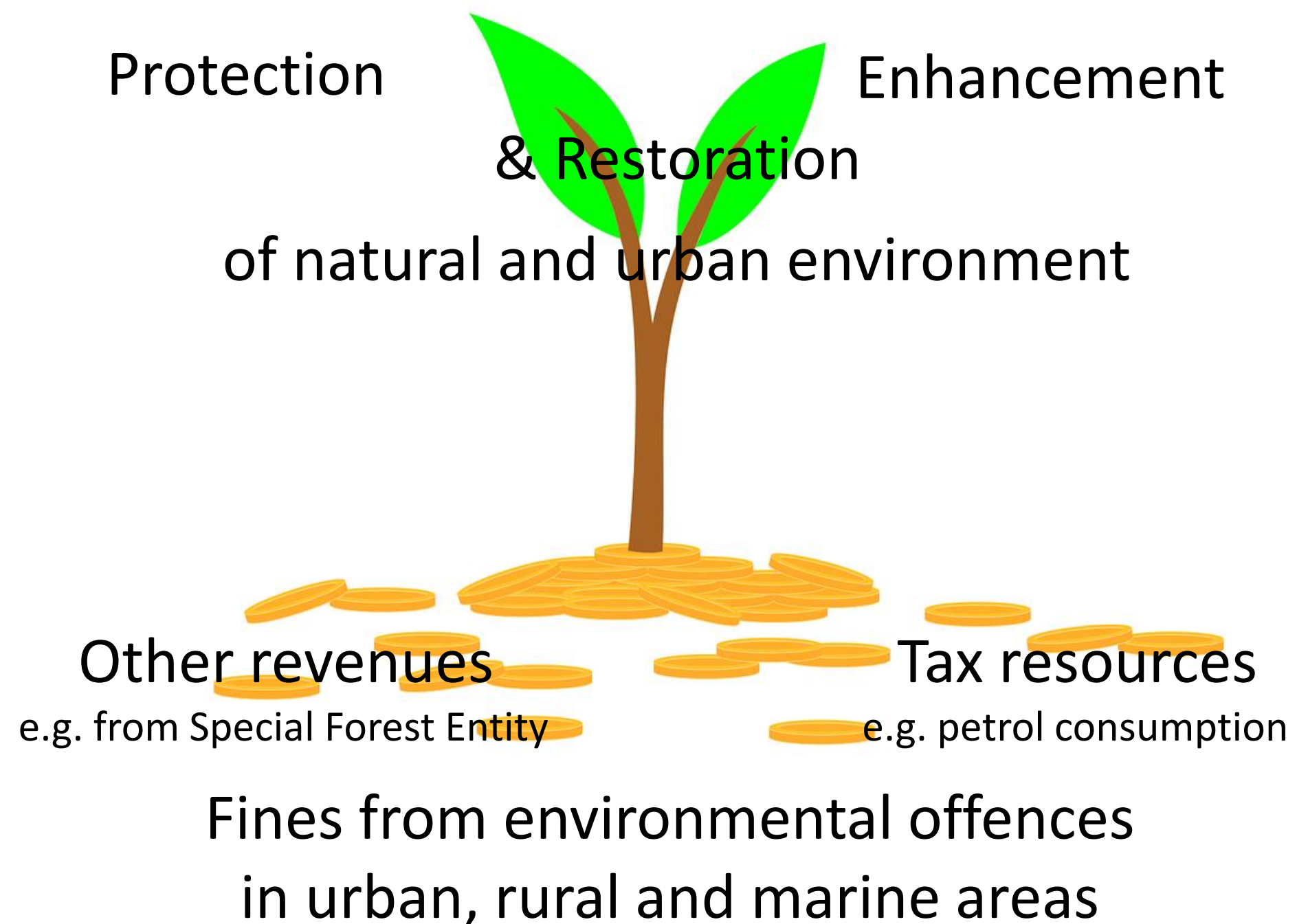


A few words about the Green Fund (GRFU)

- GRFU is a funding organization in Greece, founded in 2010.
- It is a public body, supervised by the Ministry of Environment and Energy (MEEN).



FUNDING PROGRAMMES



Scope of the GRFU:

- To enhance development through environmental protection;
- To support the country's environmental policy;
- To serve public and social interests through the management of its resources.

The Director of the GRFU is the Greek National Contact Point for the LIFE Programme/ENV.

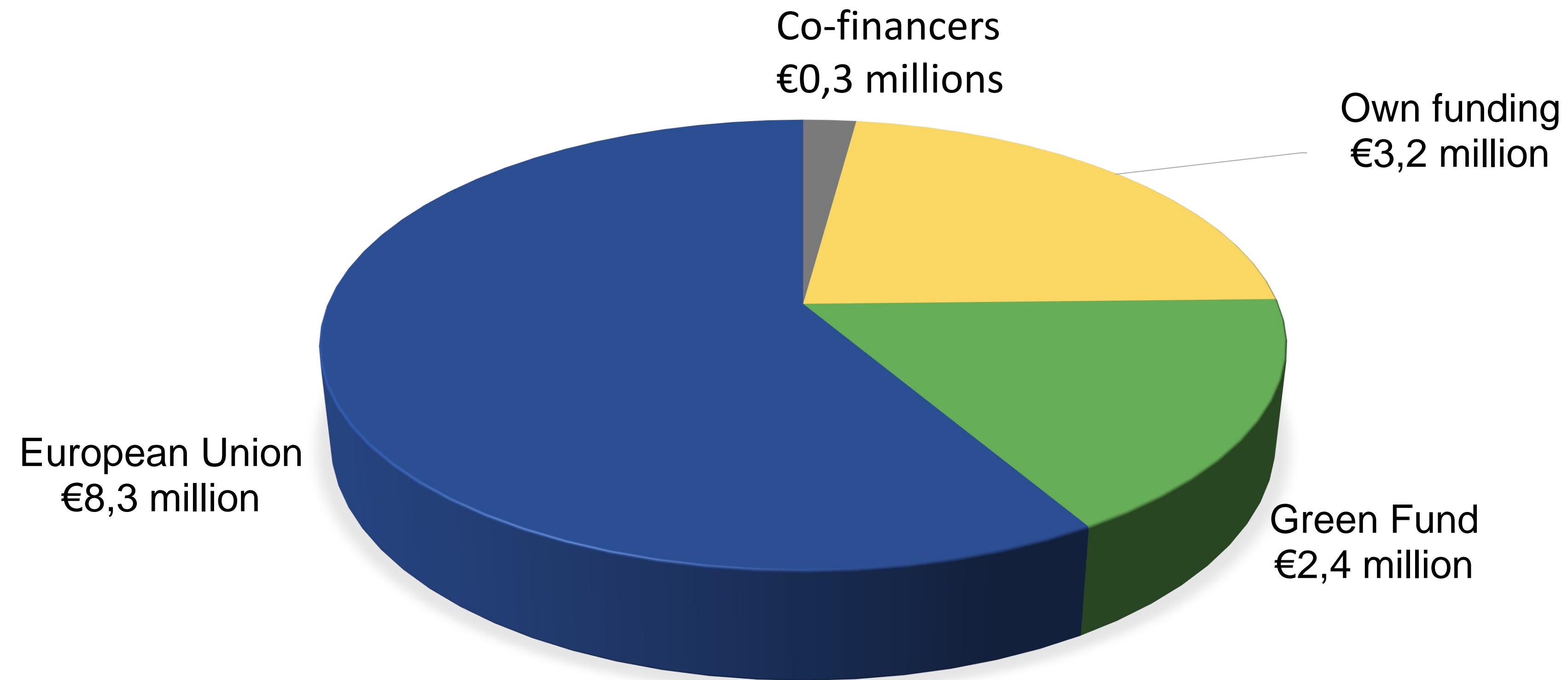
Acronym: LIFE-IP AdaptInGR

Title: Boosting the implementation of adaptation policy across Greece

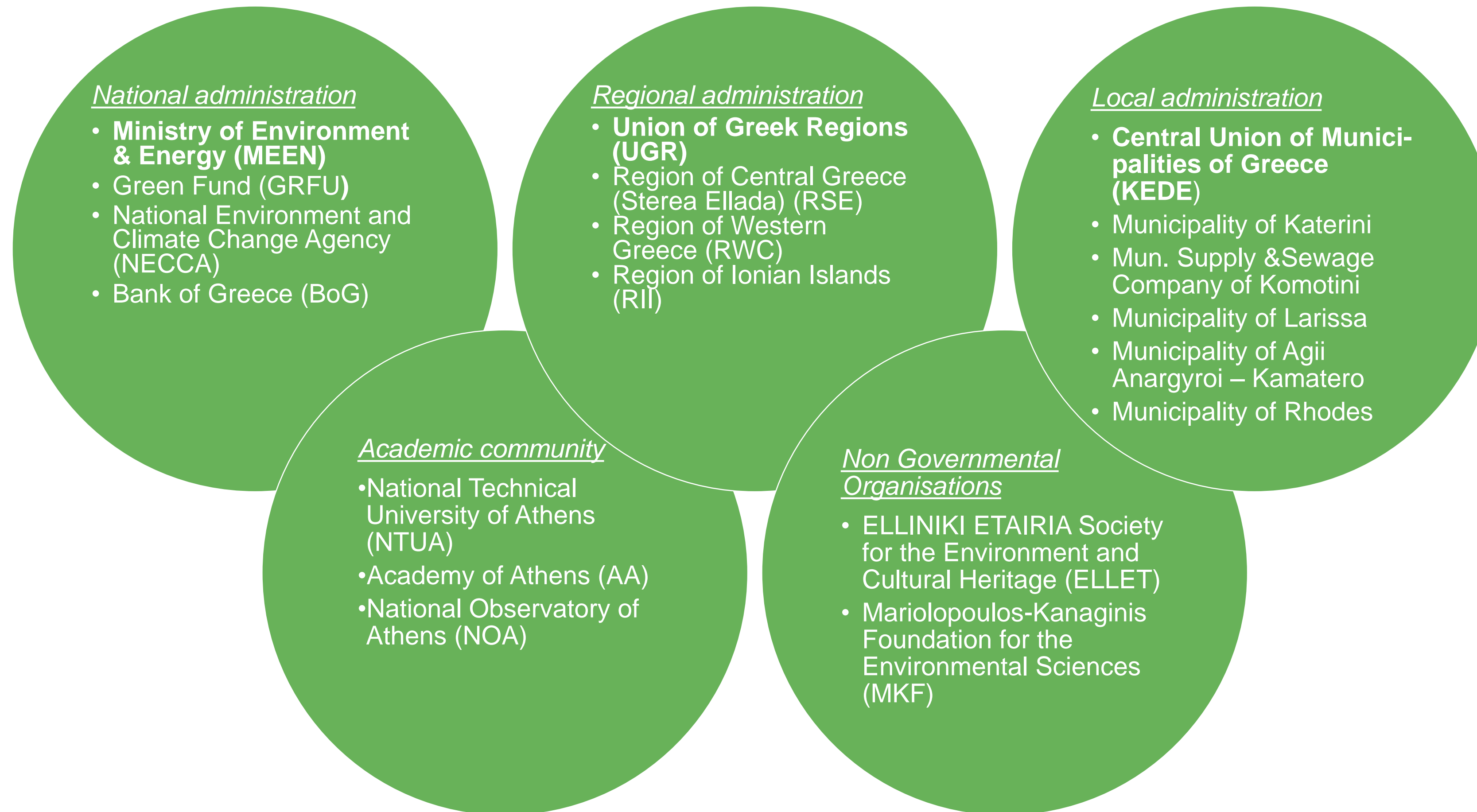
Ref.: LIFE17 IPC/GR/000006

Duration: 2019-2026 (8 years)

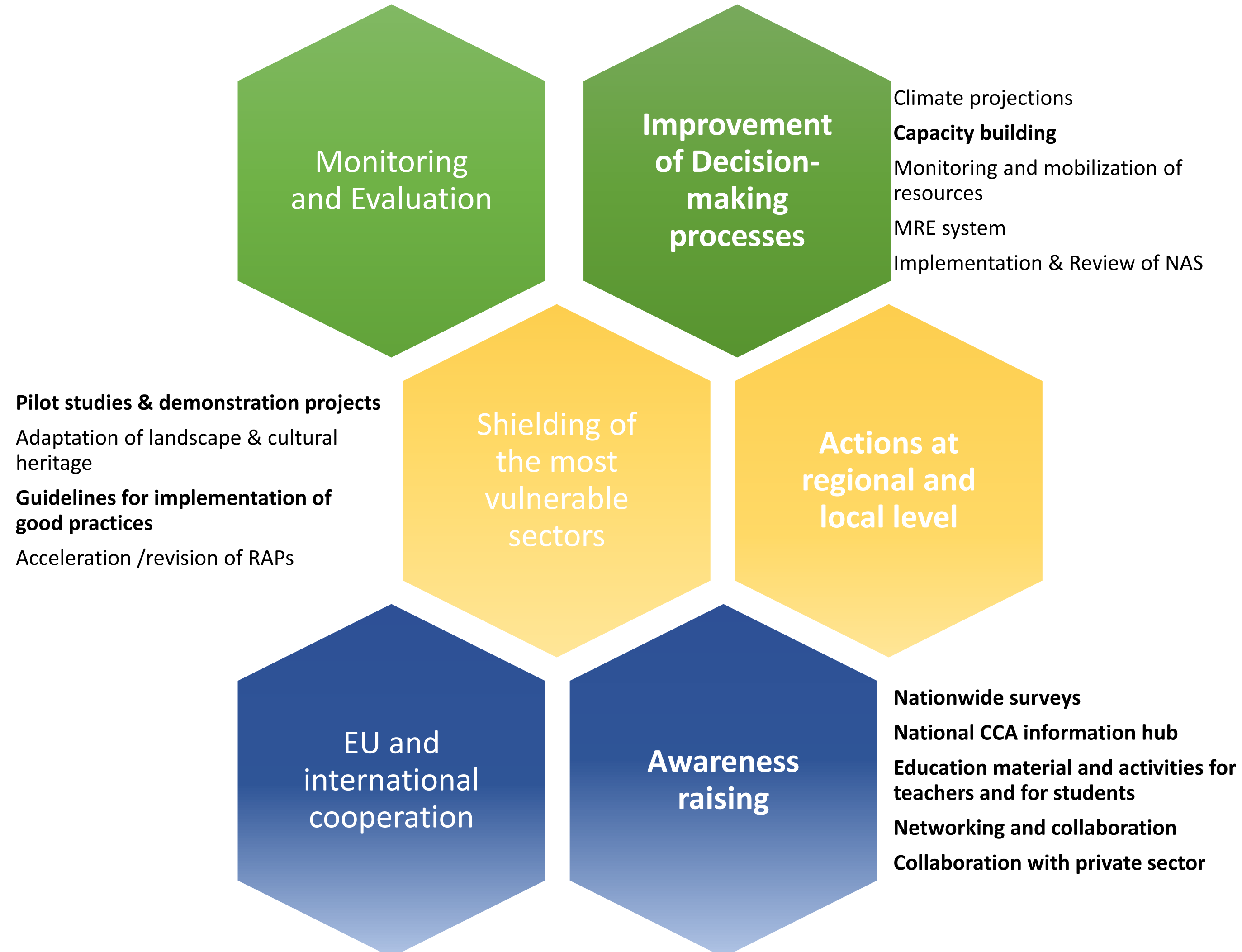
Budget: €14.189.548,00



The LIFE-IP AdaptInGR Consortium



LIFE-IP AdaptInGR Actions



- 20 actions for implementation
- Close link to the Greek National Adaptation Strategy (NAS) and the 13 Regional Adaptation Plans (RAPs)

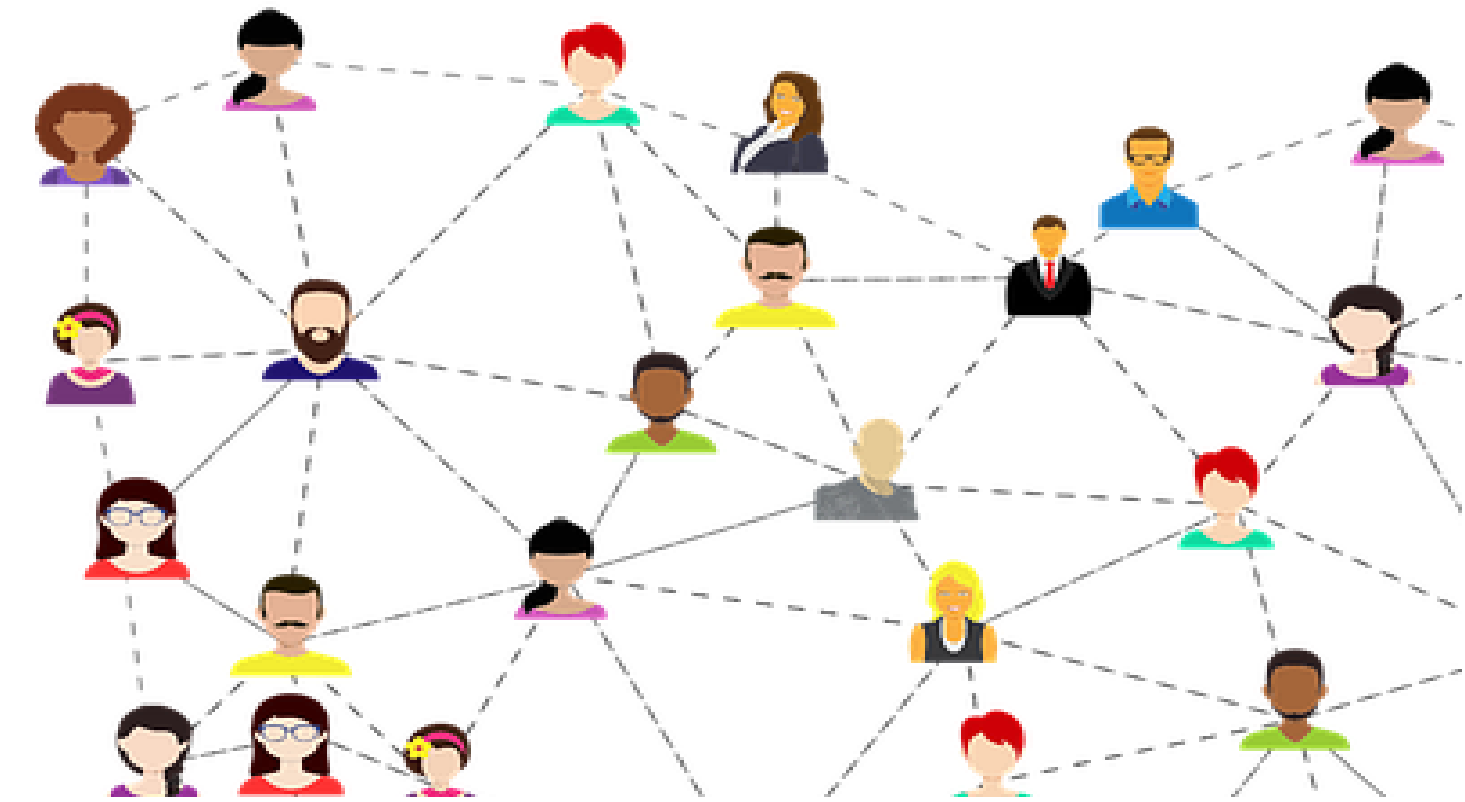
Indicative Actions

- Capacity building activities
- Demonstration projects in cities
- Raising awareness
- Support the replication and transfer to other areas

Capacity building for adaptation implementation & mainstreaming

Stakeholders' mapping and identification of stakeholders needs :

- Mapping of **key actors** involved with adaptation planning and implementation in priority sectors and vulnerable areas.
- Identification of their **needs** in terms of knowledge, funding and capacity building.



13 regional and 2 national **capacity building workshops** involving national, regional and local authorities and stakeholders:

- strengthen CCA management skills of decision makers;
- improve technical skills of technical staff;
- increase knowledge and adaptive capacity of main stakeholders/professionals;
- facilitate & support the actual implementation of NAS/RAAPs.

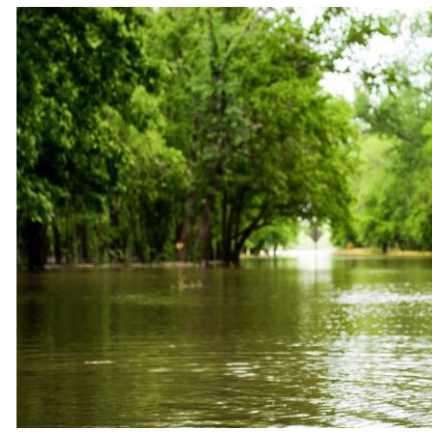
The 1st Capacity building workshop is organized in the **Region of Western Greece, 20-22 September 2021.**

National CCA information hub

A publicly accessible web-based application to:

- provide **tools & resources** for assisting decision makers;
- raise awareness on adaptation among the different target groups, **including citizens**;
- promote the **sharing of good practice** among adaptation stakeholders;
- provide access to the **climate projections** datasets, indices and maps for all the Greek Regions (resolution of 12 km) **making the data available to all the users**.





FLOOD RISK
MANAGEMENT



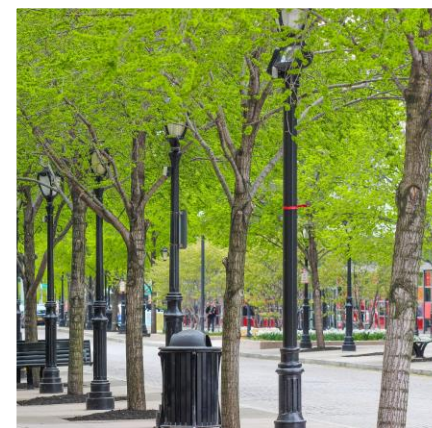
FOREST FIRES IN
DROUGHT-PRONE
AREAS



COASTAL RISK
MANAGEMENT



SUSTAINABLE
WATER
MANAGEMENT



URBAN PLANNING
AND
REGENERATION

1. Delineation of Inahos river in Aitolokarnania (RWG)
2. River bed protection – Flood control in Drimatorema area (RCG)
3. Stream bed management, Amarythos beach in Evia island (RCG)
4. Draining system in the former lake Xynias (RCG)
5. Forest fire prevention in Peristeri and Geraki areas, Iliada (RWG)
6. Assessment, monitoring and recording of coastal erosion using Unmanned Aerial Vehicles in Ionian islands (RII)
7. Coastal zone management in Kalamaki beach (RWG)
8. Coastal zone management in the NW coast of Rhodes island (MoR)
9. Network for the collection of rainwater in Gerovouno area and its transfer to the Antonis Tritsis park (MoAAK)
10. Water resources management in Aigeiros, Komotini (DEYAK)
11. Urban regeneration of public places and creation of green spaces in Katerini (MoK)
12. Retrofitting of a school complex in Larissa (MoL)

Network for the collection of pluvial water in Gerovouno area and its transfer to the Antonis Tritsis park

Municipality of Agiioi Anargyroi-Kamatero

The problem

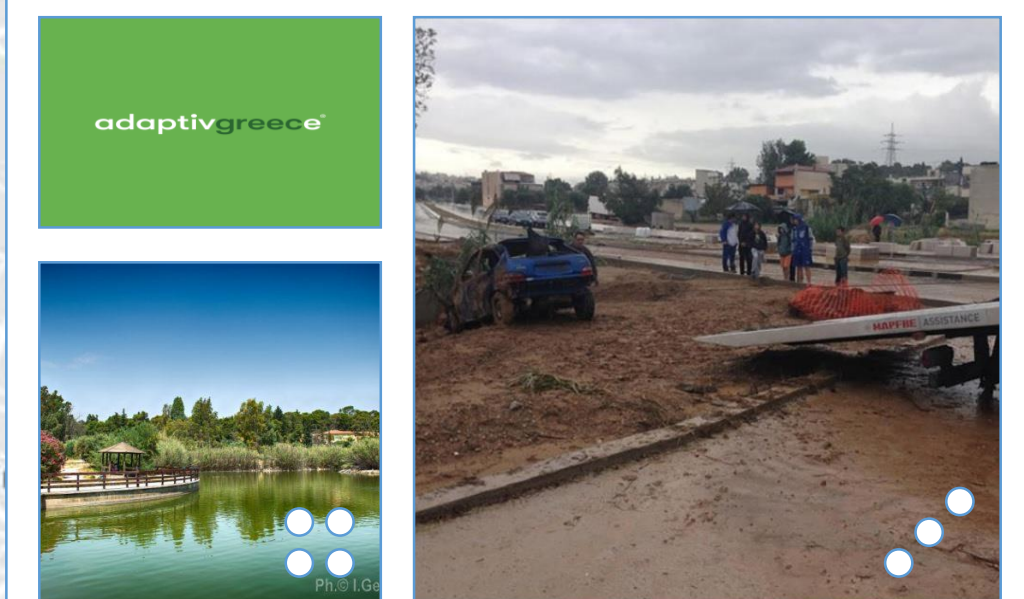
- Extreme flooding in Gerovouno area. No management of pluvial water – Superficial runoff.
- Severe water shortage at the wetlands of the Antonis Tritsis park.
- Water needs of the local schoolyards.

The idea

- Manage the water balance.

The project

- Hydrological - hydraulic study.
- Manufacture of water tank.



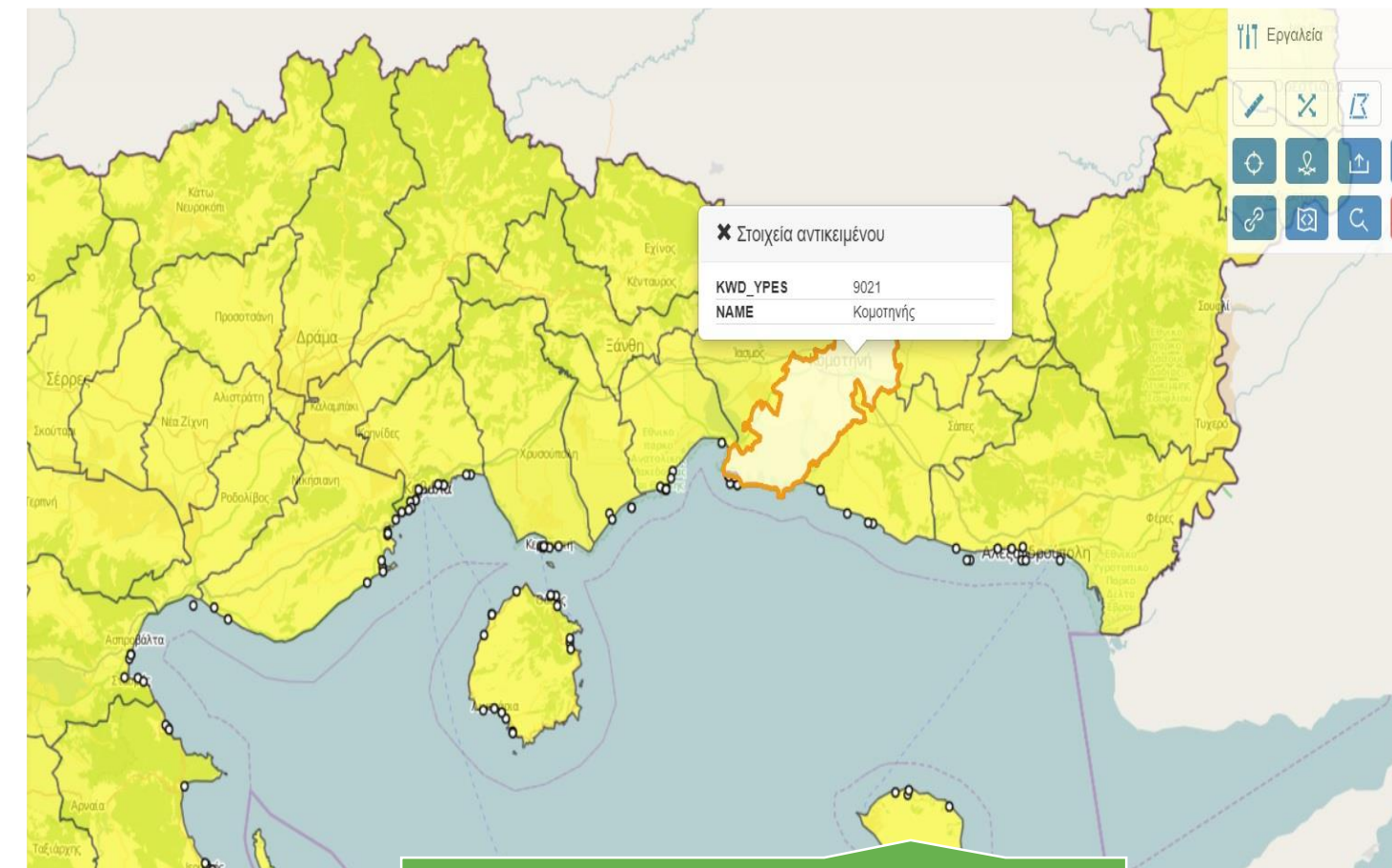
○ Municipality of AAK ○ Intervention area ○ Flooding event – Images from press (iefimerida 23.10.2015) ○ Lake of Antonis Tritsis park (Ph: I.Georgouleas)

Water resources management in the municipal department of Aigeiros, Komotini

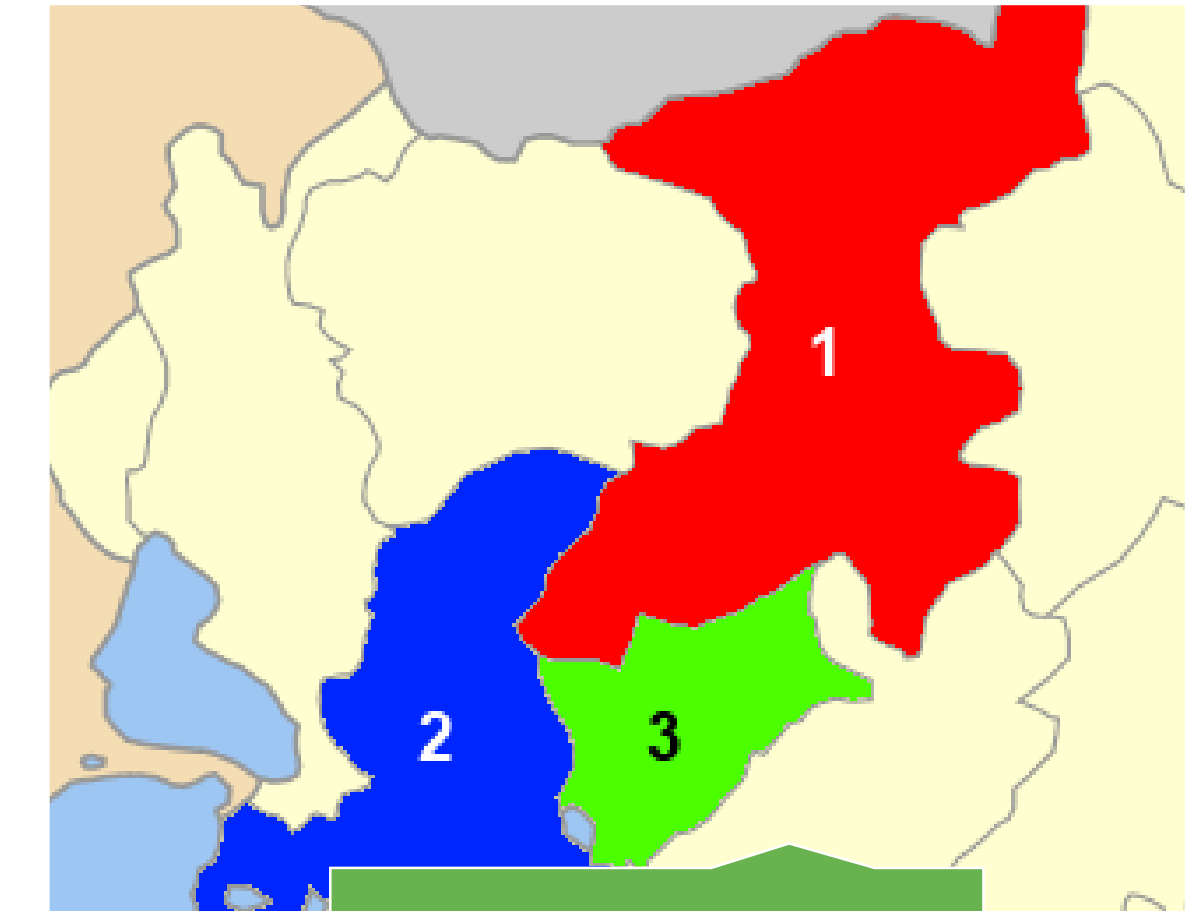
Municipal Supply & Sewage Company of Komotini

The problem

- Aigeiros is in the south of the municipality. Main occupation of residents is agriculture. Coastal part: Natura2000 area
- Local water needs are covered by 10 water boreholes. For the 3 coastal settlements water is provided by 3 main boreholes.
- Resident population: 505 residents << seasonal population (5,000) → Low water pressure/cuts, expected to get worse
- Water quality issues noted (brackish water).



Location of the municipality of Komotini



Municipal departments of Komotini

The idea

- Better control of water consumption.

The project

- Telemetry (identification of leakages, monitoring of network).
- Dynamic management of consumption.

Retrofitting of a school complex in Larissa

Municipality of Larissa



Primary School



Secondary School



Intervention area

The problem

- Very high temperatures in the city centre.
- High activity in the city centre, high concentration of services.
- Climate projections: increase in heat waves frequency and in number of warm days.
- School complex of >1200 students

The idea

- Renovation of the school yard on the basis of bioclimatic and participatory processes.

The project

- Improvement of the school's micro clima (cool materials, green infrastructure).
- Energy saving interventions.
- Monitoring and information on current weather conditions.

Urban regeneration of public places and creation of green spaces in Katerini

Municipality of Katerini

The Problem

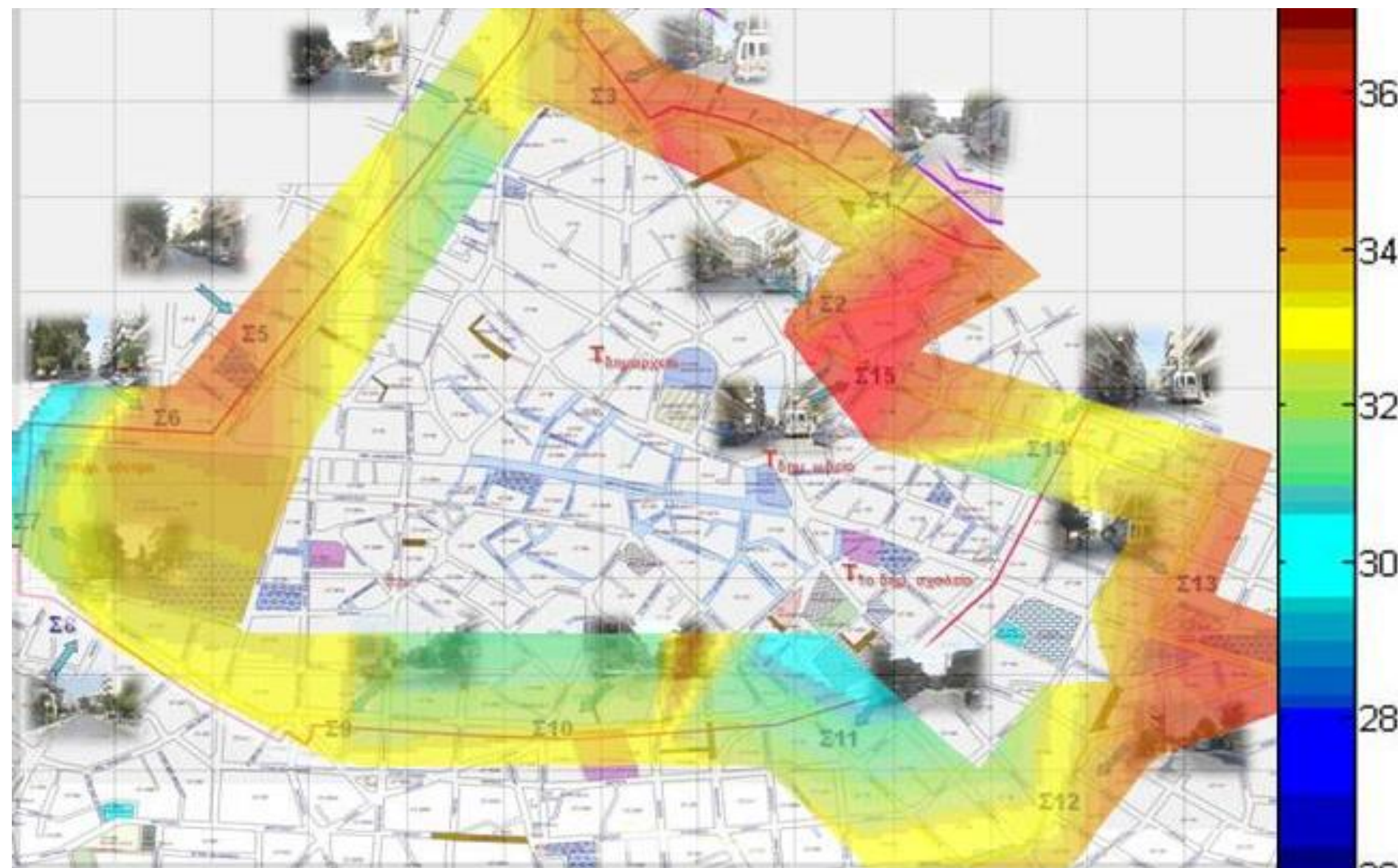
- Increased vehicle circulation.
- Densely populated → building blocks.
- Air pollution in combination with high temperatures.

The Idea

- Renovation of public spaces & creation of green areas.
- Provision of on-time climate information to citizens.

The project

- Elaboration of technical, architectural and vegetation studies.
- Use of cold materials, plants.
- Construction of recreation spaces.
- Integrated Internet of Things information system.



Thermal photography in Katerini, 2008; Results presented by Mayor S. Chionnidis in the GR LTF event ' LIFE and Cities', 09.04.2019

PUBLIC AWARENESS AND DISSEMINATION OF RESULTS



ACTION PLANNING

- **DISSEMINATION & COMMUNICATION STRATEGY (<80P) OUTLINING HOW TO REACH TARGET AUDIENCES**
- **2 WAVES OF PUBLIC OPINION RESEARCH TO DETERMINE LEVEL OF AWARENESS**
- **4 WAVES OF SURVEYS & INTERVIEWS WITH STAKEHOLDERS (MORE INFORMED AUDIENCE) TO DETERMINE LEVEL OF AWARENESS**



DISSEMINATION

- **WEBSITE (GR/EN) 50.000 VISITS/YEAR**
- **SOCIAL MEDIA 5.000 FOLLOWERS**
- **NEWSLETTER (2/YEAR)**
- **PRESS RELEASES**
- **>50 ARTICLES & MEDIA PRESENTATIONS**
- **LEAFLETS (3 X2.000 GR AND 2 X2.000 EN)**
- **POSTERS & FLYERS FOR 13 INFO-DAYS**
- **BANNERS (2 GR, 2 EN)**
- **TV SPOT (2MIN)**
- **8 RADIO SPOTS**



EDUCATION

- **TEACHERS:**
- **TEACHERS' KIT (USB/CD)**
- **16 ONE-DAY SEMINARS**

- **PUPILS (7-17Y)**
- **"YOUTH ADAPTS" MATERIAL**
- **"YOUTH ADAPTS" CAMPAIGN (>100 SCHOOLS)**
- **2 SCHOOL COMPETITIONS & AWARDS**
- **"KEEPERS OF THE PLANET NETWORK"**



AWARENESS RAISING

- **13 REG. INFO-DAYS DAYS (P.M PROJECT PRESENTATIONS, MEASURES/ TECHNIQUES A.M DOCUMENTARY FILM)**
- **3 FORA (ATHENS & THESSALONIKI)**

Replication and Transfer

- *Demonstration projects*
- *Monitoring & Evaluation framework*
- *Integrated climate policies (mitigation & adaptation)*
- *Other*



Greece

- Selection of followers (4 Regions, 10 municipalities)
- LIFE-IP AdaptInGR good practice guides and guidebooks
- 16 dedicated meetings with experts for the integration of CCA to 10 business plans)

E.U.

- Networking (competent authorities, projects, events))
- 5 EU thematic workshops in the context of international and EU events

Mediterranean

- Tri-lateral agreements with Cyprus, Egypt, Israel
- Union for the Mediterranean, UNEP/MAP
- 'Other Med LIFE-IPs

Thank you for your attention!

Spyridoula Ntemiri, Chemical Engineer, PhD
GRFU Climate Change Project Manager
LIFE-IP AdaptInGR (LIFE17 IPC/GR/000006)

E-mail: sntemiri@prasinotameio.gr

Tel: (+30) 210 9241903 Int. 117

<https://www.adaptivegreece.gr/>

This presentation uses material provided by MEEN and the Municipalities of Agioi Anargyroi-Kamatero, Katerini, Larissa and the Municipal Water Supply and Sewerage Company of Komotini during the proposal preparation and the implementation of the LIFE-IP AdaptInGR project.

Other material used:

Iefimerida, [article posted on 23.10.2015](#). Accessed on May 8th 2020.

Pyrgos Vasilissis, [‘Antonis Tritsis’ park](#). Accessed on May 8th 2020.

Hellenic Ornithological Society, [Park of environmental information and sensitisation ‘Antonis Tritsis’](#). Accessed on May 10th 2020.

Municipality of Komotini, [the Municipality of Komotini](#). Accessed on May 10th 2020.