

LIFE Platform meeting Climate Strategic Integrated Projects

Working Group 3.3:

Building Resilient Places: Urban Adaptation, Climate-Proof Infrastructure & Low-Carbon Urban Mobility

Climate adaptation in urban environment

LIFE-IP AdaptInGR experience

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Title

Boosting the implementation of adaptation policy across Greece

Reference: LIFE17 IPC/GR/000006

Acronym: LIFE-IP AdaptInGR

Start Date: 01/01/2019

End Date: 31/12/2026

Total Budget: 14,189,548 €

EU Contribution: 8,333,169 €

Consortium

19 co-beneficiaries

Coordinator

Ministry of Environment and Energy



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LIFE-IP AdaptInGR OBJECTIVES

Support the implementation of NAS and Regional Adaptation Action Plans (RAAPs)

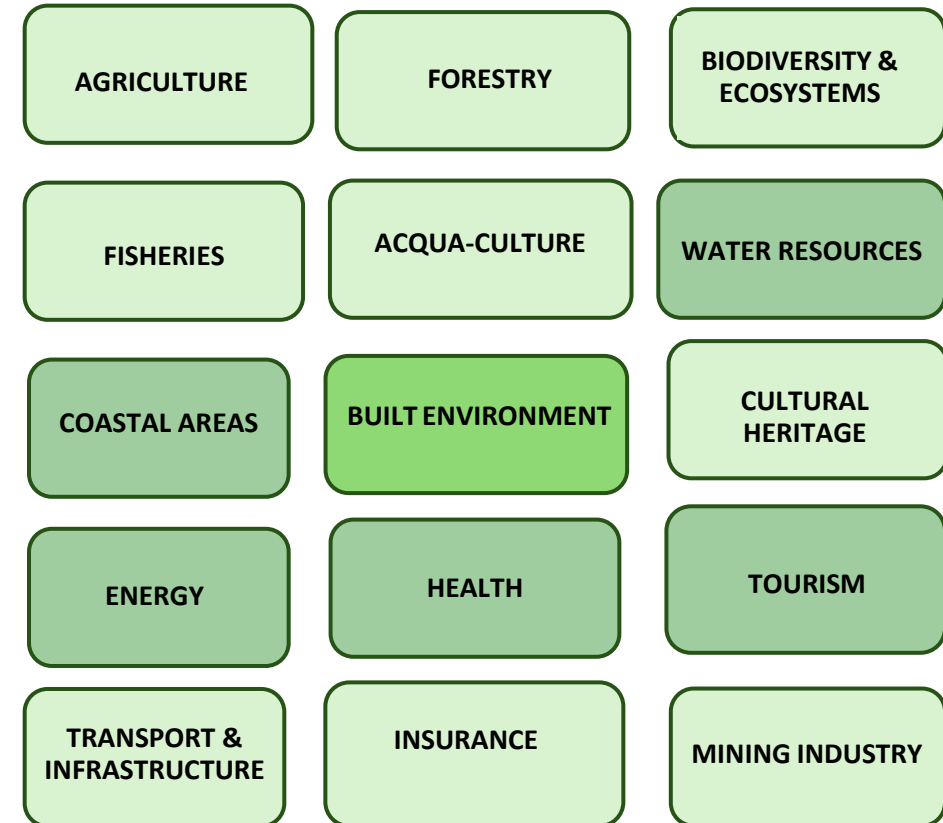
1. Build capacity & improve availability of climate data
2. Support regional and local adaptation
3. Strengthen adaptation mainstreaming across sectors & Provide replicable “good practice” examples
4. Monitor and evaluate NAS and RAAPs implementation
5. Raise awareness

Prepare the passage to the next policy cycle

- Review and revise the NAS
- Recommendations for RAAPs review

NATIONAL ADAPTATION STRATEGY

- Endorsed in 2016
- 5 main objectives - 15 priority sectors
- Possible adaptation actions per sector



Climate Change Impacts in urban environment

- INCREASING TEMPERATURES
- HEATWAVES
- HEAT ISLAND EFFECT



- WATER SCARCITY
- HEAVY RAINFALLS
- FLOODS
- SEA LEVEL RISE



WHY URBAN ADAPTATION MATTERS

>74% EU population lives in cities





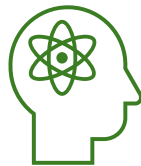



Measures to improve urban environment, microclimate

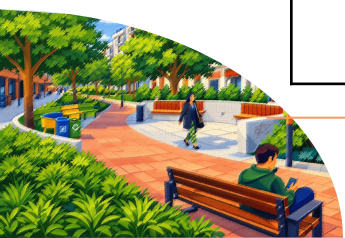
Measures to save and recycle water, reduce rainwater runoff and harvest and reuse rainwater



Mainstreaming climate adaptation in cities

Barriers

<p>Data Gaps: Limited availability and accessibility of climate projection data.</p> 	<p>Knowledge Gap: Low familiarity with applying climate projections in urban planning.</p> 	<p>Institutional Inertia: Resistance to adopting new materials (Business-as-usual approach).</p> 
<p>Regulatory Hurdles: Lack of standards and slow integration into national legislation.</p> 	<p>Planning Deficits: Absence of local adaptation action plans.</p> 	<p>Social Barriers: Insufficient public awareness and community engagement.</p> 



Accelerate climate adaptation in urban environment

LIFE-IP AdaptInGR experience



LIFE Platform meeting on Climate Strategic Integrated Projects

21-23 April 2026, Bilbao

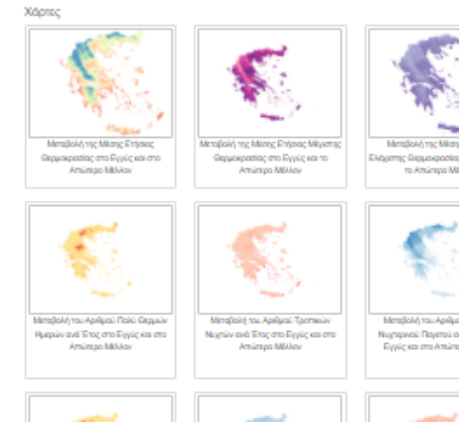
More and better climate data and information

NAS Obj. 1: Systematization and improvement of short- and long-term decision making for climate change adaptation



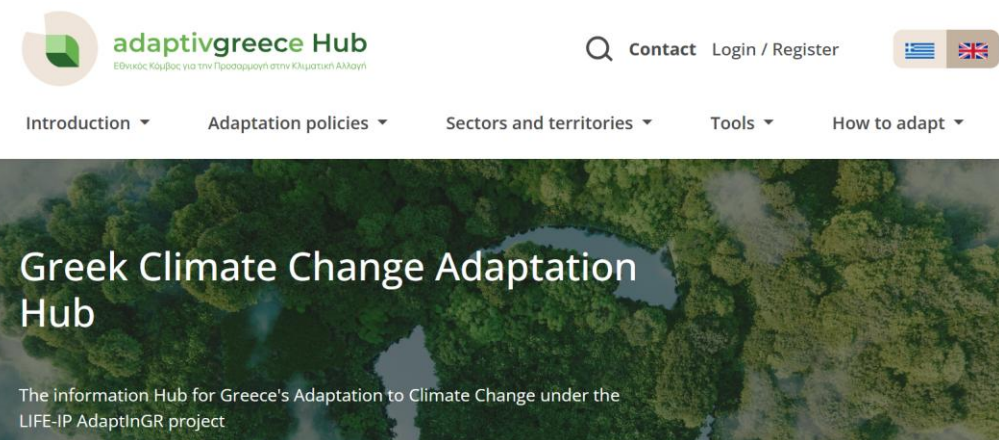
Climate information and data

- Open access geospatial data of climate projections http://mapsportal.yopen.gr/thema_climatechange
- Development of the **National Adaptation Hub** <https://adaptivegreecehub.gr/en/>



13 Capacity building workshops across Greece

- Dedicated session to familiarize with climate projections use and methodologies to climate-proof infrastructure



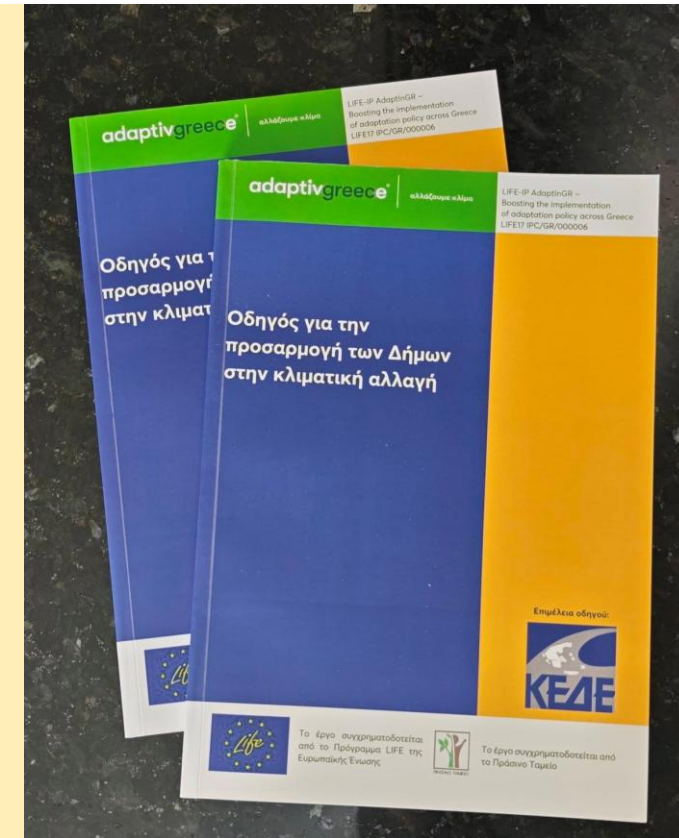
The linking of Climate Change Adaptation with a sustainable development model through Regional and Local Action Plans (NAS Obj. 2)

Support local adaptation

3 Sustainable Energy and Climate Action Plans (SECAPs) developed by the LIFE-IP AdaptInGR project as good examples **using climate projections.**



Guidelines on Adaptation Actions for Municipalities' Handbook



Mainstreaming adaptation across sectoral planning

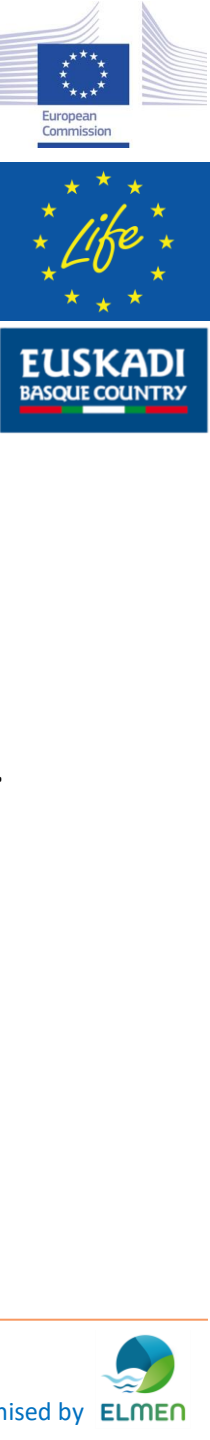
NAS Obj. 3: The promotion of actions and adaptation policies in all sectors, and particularly the most vulnerable ones

Mainstreaming adaptation in urban planning policies

- Climate Change Impacts & Vulnerability assessment based on climate projections.
- Analysis of adaptation baseline for built Environment and energy sector in consultation with competent sectoral government departments.
- Support sectoral government departments in adaptation mainstreaming.
- Analysis to identify adaptation and mitigation synergies and inform the National Energy and Climate Plan.

Provide replicable good practice examples

- Pilot adaptation projects
 - Urban regeneration projects in Katerini and Larissa
 - Sustainable management of water in Agioi Anargiroi – Kamatero and Komotini
- Enabling upscaling of good practices



Sustainable management of water & flood risk reduction in urban areas

Municipality of Agioi Anargyroi- Kamatero pilot project

Climate Risks:

- WATER SCARCITY
- HEAVY RAINFALLS
- FLOODS



(+) Water Surplus

Collect stormwater to reduce flood risk in Gerovouno area

(-) Water Deficit

Transfer, store and reuse storm water in public buildings and green areas

storm water

collect,
transfer,
store
reuse



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Sustainable management of water

Komotini pilot project



Strong seasonal variation in water demand in the Municipal Unit

- **5,500 m³/day** (summer period)
- **1,300 m³/day** (winter period)

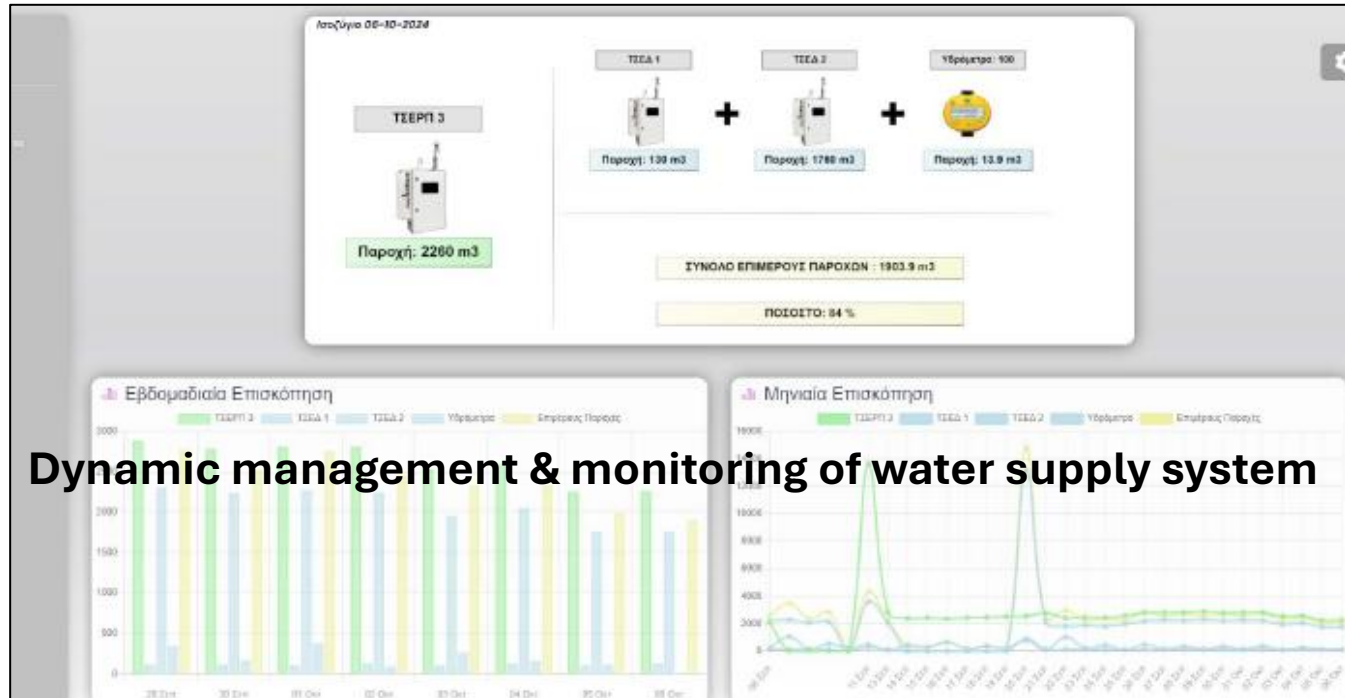
Summer temperatures significantly increase pressure on water resources



Need for improved water management & monitoring



Installation of smart hydrometers & monitoring equipments



Adapt traditional settlements to climate change

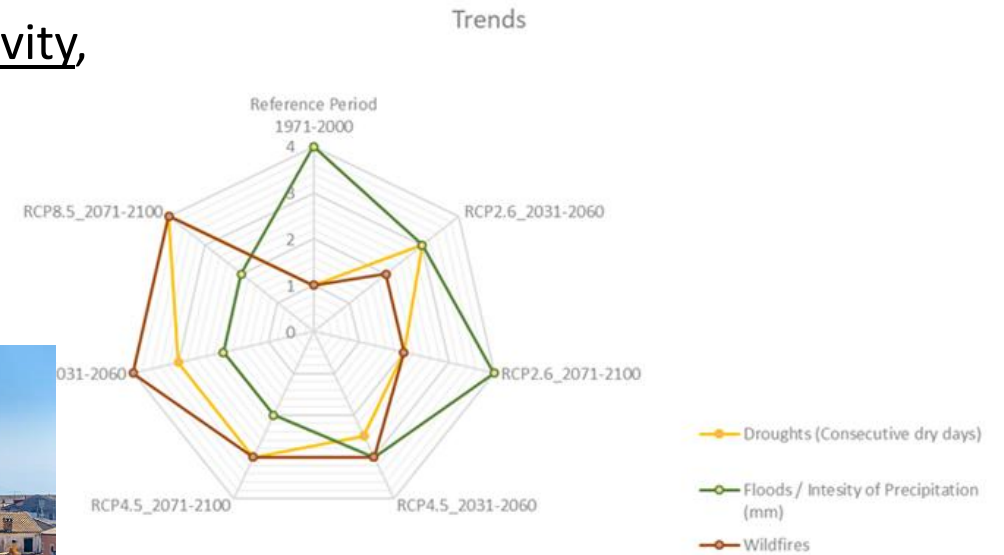
- **Assess vulnerability to climate change** (sensitivity, exposure, adaptive capacity)
- **Suggestions for measures to adapt to climate change**, **enhance preparedness to extreme events**



**Traditional villages of the
Central Zagori Area**



Old town of Corfu








ΜΑΘΗΤΙΚΟΣ ΔΙΑΓΩΝΙΣΜΟΣ

Το κλίμα αλλάζει... αλλάζω ζωή!

9 Δεκεμβρίου 2024 έως 12 Απριλίου 2025

Η κλιματική αλλαγή έχει ήδη ξεκινήσει και αναμένεται να γίνει πιο απειλητική. Πώς βιώνουν οι άνθρωποι και τα ζώα την κλιματική αλλαγή; Πώς μας επηρεάζει; Πρέπει όλοι μας να προσαρμοστούμε! Πώς θα τα καταφέρουμε;

Περισσότερες πληροφορίες σχετικά με τον διαγωνισμό, τις οδηγίες και τους όρους συμμετοχής μπορείτε να βρείτε στον ιστότοπο του έργου: www.adaptivegreece.gr στην ενότητα «Ενημερώσου/Σχολείο».



Strengthening the adaptive capacity of Greek society

ΠΡΟΣΚΛΗΣΗ

2ο Project Forum του έργου LIFE-IP AdaptInGR

ΠΡΟΣΑΡΜΟΖΟΝΤΑΣ ΤΙΣ ΠΟΛΕΙΣ ΜΑΣ ΣΤΗΝ ΚΛΙΜΑΤΙΚΗ ΑΛΛΑΓΗ

4 Νοεμβρίου 2025

Θεσσαλονίκη
 Δημορχειακό Μέγαρο, Βασ. Γεωργίου Α 1, 54636,
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THANK YOU FOR YOUR ATTENTION

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