

ESG Adoption and Resilient Business Infrastructure in Patras

Patras - Greece

Short description

The Local Green Deal (LGD) “ESG Adoption and Resilient Business Infrastructure” brings together the City of Patras, the Technical Chamber of Greece (TCG), the Economic Chamber of Greece (ECoG), and the Chamber of Achaia (CoA) to strengthen climate resilience, promote Environmental, Social, and Governance (ESG) principles, and foster sustainable economic development in the business sector. The initiative focuses on retrofitting business infrastructure, supporting ESG compliance among SMEs, and ensuring long-term competitiveness through climate-adapted solutions.



Industry/Sector

- Construction & Built Environment

Parties of LGD/Participating parties

- City of Patras (Public Administration/Local Government)
- Chamber of Achaia (Business Association)
- Technical Chamber of Greece – Western Greece Regional Department (Professional Association)
- Economic Chamber of Greece – Northwestern Peloponnese and Western Greece Department (Professional Association)]

Scope of LGD

The LGD on ESG Adoption and Resilient Infrastructure focuses on upgrading business buildings with energy-efficient technologies, integrating ESG-aligned strategies into local enterprises, and promoting the deployment of smart and green technologies. The goal is to ensure climate adaptation, regulatory compliance, and improved competitiveness for businesses in Patras.

Concrete measures/commitments

Chamber of Achaia (CoA) commits to:

- Engaging SMEs and raising awareness of ESG principles
- Organising ESG training workshops and networking events for local businesses
- Target: Train 50 businesses and assist 20 SMEs in ESG adoption by 2026
- Funding source: Private, Public, EU Funding
- Cost estimation: €100,000 – 150,000
- Timeline/Deadline: December 2026

Technical Chamber of Greece (TCG) commits to:

- Providing technical expertise for retrofitting business infrastructure with smart and energy-efficient technologies
- Overseeing compliance with sustainability standards and supporting project implementation
- Target: Retrofit 20–30 business buildings by 2026
- Funding source: Private, Public, EU Funding
- Cost estimation: €800,000 – 1,200,000
- Timeline/Deadline: December 2026

Economic Chamber of Greece (ECoG) commits to:

- Offering financial planning and guidance for green investments and ESG compliance
- Supporting 50–100 businesses in securing funding for ESG adoption and infrastructure upgrades by 2026
- Funding source: Private, Public, EU Funding
- Cost estimation: €500,000 – 700,000
- Timeline/Deadline: December 2026

Smart Water Management for Sustainable Patras

Patras - Greece

Short description

The Local Green Deal (LGD) of Patras focuses on **smart water management** to promote sustainability, aiming to **modernise water infrastructure**, improve **energy efficiency**, and implement **innovative solutions like smart metering and water reuse**. This initiative supports the city's sustainability goals by reducing CO2 emissions, conserving resources, and fostering citizen engagement, ultimately contributing to more sustainable urban development.



Industry/Sector

- Construction & built environment

Parties of LGD/Participating parties

- Municipality of Patras
- Municipal Water Supply and Sewerage Company of Patras (DEYAP)party]

Scope of LGD

- The scope of the Patras' LGD focuses on sustainable water management and energy efficiency, addressing critical challenges in these areas. It involves **modernising water infrastructure by expanding the monitoring network and installing smart water meters to reduce leaks and optimise water**

pressure. Energy efficiency improvements include **reducing consumption at water facilities** and **integrating renewable energy systems**, such as photovoltaics, into operations. The LGD also emphasises **water resource conservation** by promoting the reuse of treated water from the Biological Treatment Unit for irrigation, thereby reducing the reliance on potable water. Moreover, **data integration**, with actionable data from smart meters feeding into the Municipality's Interoperable Data Centre, enables informed governance. In addition, the LGD aims to foster **public engagement** through awareness campaigns and build capacity by training employees to use advanced water management systems effectively.].

Concrete measures/commitments

The Municipality of Patras commits to

- overseeing the integration of data from smart water meters into the city's Interoperable Data Centre by 2026 and delivering quarterly data reports on water management, CO2 emissions, and energy savings starting in 2024.
- hosting quarterly meetings to align strategies with DEYAP and other stakeholders, with at least two major meetings by 2026, launching campaigns to engage 50% of Patras' residents in water conservation initiatives by 2026, and conducting training for 50 employees from the municipality and DEYAP to ensure the effective use and maintenance of smart systems by 2026.

DEYAP commits to

- expanding the structured water monitoring network from 790 km to 1,000 km by 2026, installing smart leak controllers and water pressure regulation systems to reduce water losses by 20% and optimise energy use at pumping stations and photovoltaic systems at the Biological Cleaning Unit, reducing energy costs by 25% and CO2 emissions by approximately 500 tons annually by 2026.
- conducting a feasibility study for reusing treated water from the Biological Treatment Unit for agricultural irrigation by 2026 and installing 1,800 smart water meters by 2025, with real-time data integration operational by 2026.