Smart City Applications in Municipality of Egaleo

Municipality of Egaleo (MoE) - GR

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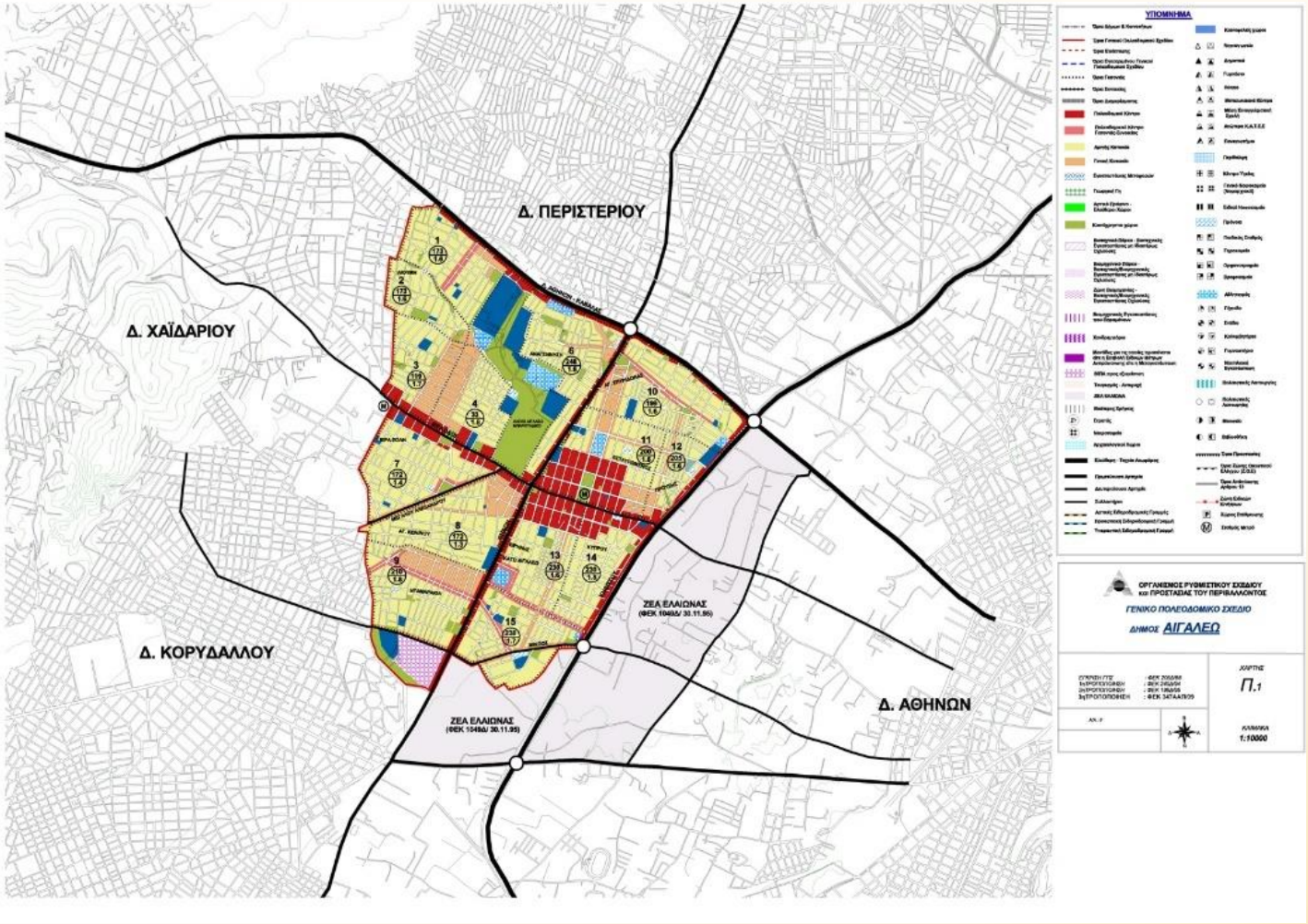
Municipality profile

- The Municipality of Egaleo (MoE) is situated at the west region of Athens
- MoE is one of the oldest municipalities in Greece and has always been a pole of attraction for new settlers
- MoE has been built at both sides of the ancient road “Iera Odos”
- The city is inhabited by approximately 120.000 people
- Area: 6.45 km²
- Economical budget: 100m Euros

Municipality profile



European Projects

1. Horizon 2020 / ICT-2016-2 - Program: 5G ESSENCE
   Coordinator: OTE S.A.
2. Horizon 2020 / ICT-2018-1 - Program: 5GENESIS
   Coordinator: NCSRD
3. Easi-Progress – Youth Guarantee / 2016 Program: Three steps to finding a job
   Coordinator: Municipality of Egaleo
4. Erasmus+ / KA2 / 2017 - Program: Qualitative Services at Local Level of Emigrants and Refugees (Q-SER)
   Coordinator: Municipality of Egaleo

Digital Strategy of MoE (2019 – 2024)

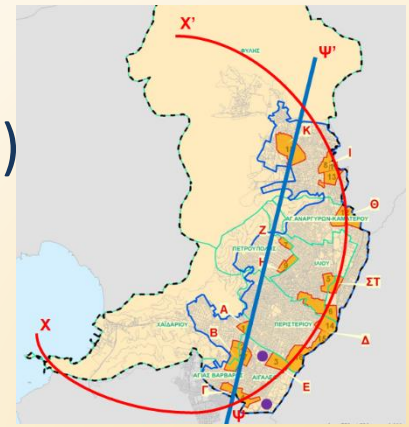
Main categories of interventions:

1. Smart Infrastructure
2. Smart Economy
3. Smart Living

Financing:

Partnership Agreement for the Development Framework 2014-2020 ΕΣΠΑ 2014-2020 ανάπτυξη - εργασία - αλληλεγγύη

- Integrated Spatial Investment of West Athens (5.0m €)
  Timeframe: 2019 -2021 ΑΣΔΑ ΑΝΑΠΤΥΞΙΑΚΟΣ ΣΥΝΔΕΣΜΟΣ ΔΥΤΙΚΗΣ ΑΘΗΝΑΣ
  - European Regional Development Fund (2.5m €)
  - European Social Fund (2.5m €)



1. Smart Infrastructure

Action 1.1: IoT infrastructure

Indicative actions:

- Lighting
- Congestion
- Air quality
- Noise levels
- Waste management
- Energy consumption
- Water management
- Fleet monitoring
- Wi-Fi spots

2. Smart Economy

Action 2.1: Upgrading and managing the urban environment

Indicative actions:

1. Development of a GIS platform
2. Development an intelligent management platform
   - Infrastructure status monitoring
   - Automated procedures
   - Interfacing with the local community
   - Air and water quality monitoring
   - Power consumption management
   - Measurement of meteorological parameters
   - Waste management

2. Smart Economy

Action 2.2: Analysis and management of tourist and cultural flows

Indicative actions:

1. Developing a platform for managing and processing large data for the tourism sector
2. Development of digital tools to analyze profile and visitor behavior
3. Development of digital tools to implement advanced analysis, forecasting and visualization techniques to design value-added services to tourism professionals and visitors

2. Smart Economy

Action 2.3: Integrated destination management system

Indicative actions:

1. Development of an integrated management and promotion platform for MoE as a tourist, cultural and business destination with services for visitors

Action 2.4: Digitizing cultural heritage records

Indicative actions:

1. Digitization of cultural heritage material
2. Digital documentation and promotion of the cultural stock of the cultural institutions of MoE
3. Utilization of archival material by cultural operators

2. Smart Economy

Action 2.5: Management of cultural heritage

Indicative actions:

1. Development of an integrated platform for managing the digital cultural stock of the city
2. Upgrade of the municipal library management software
3. Development of a “Digital Library" for the historical archive and the municipal library

Action 2.6: Virtual Tours

Indicative actions:

1. Developing a virtual tour application for experiential participation in the museums of MoE and the historical road of “Iera Odos”
2. Developing a digital guestbook

2. Smart Economy

Action 2.7: Open mall

Indicative actions:

1. Installation of intelligent sustainable mobility systems
2. Promotion actions for the shopping area

3. Smart Living

Action 3.1: Smart lighting

Indicative actions:

1. Replacing existing bulbs / luminaires and installing smart LED lighting in selected urban areas
2. Interconnection between network devices with low energy communications infrastructure (eg NB-IoT)
3. Develop integrated intelligent city lighting management platform

3. Smart Living

Action 3.2: Intelligent electronic platform for smart and friendly governance and smart city guidance

Indicative actions:

1. Development of a platform for enhancing the communication of the municipality and citizens
2. Integration of e-services for citizens at a single point
3. Development of digital tools for "Open Data“ (Infodrasi)
4. Developing applications for:
   - Everyday life
   - Electronic payments
   - Personalized notification via smart alerts (Novoville)
   - Citizens' proposals and open consultation

3. Smart Living

Action 3.3: Large-scale urban data management

Indicative actions:

1. Developing a platform for processing, analyzing and distributing large-scale urban data
2. Development of digital tools for extracting conclusions and decision-making systems with different criteria (economic, social, energy, etc.)

Action 3.4: Smart city coordination center

Indicative actions:

1. Development of a smart city coordination center

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SUKSAMA
EKHMET
MEHRBANI
GRAZIE
MAAKE
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JUSPAXAR
GOZAIMASHITA
EFCHARISTO
PALDIES
TINGKI
SPASSIBO
SNACHALHUYA
NUHUN
CHALTU
WABEEJA
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