

**ORGANISATION FOR PLANNING AND ENVIRONMENTAL PROTECTION OF
ATHENS**

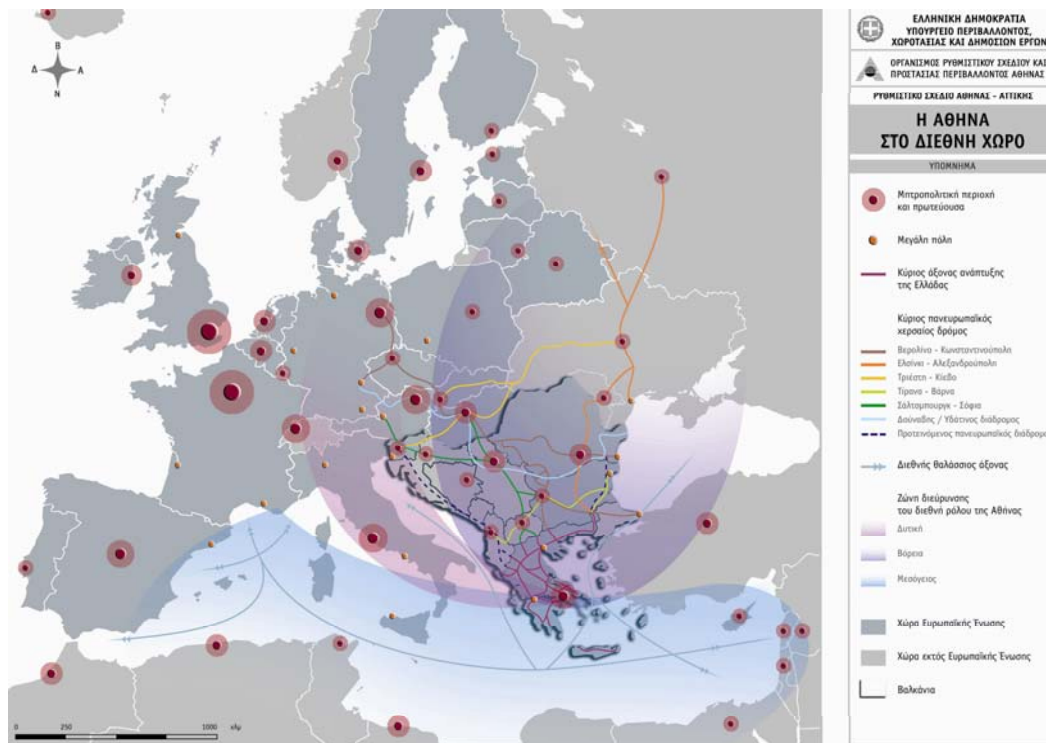
NEW STRUCTURAL PLAN OF ATTICA – ATHENS

Resource – efficient Urban Spatial Development



**Eleni Iliopoulou, Architect Planner
General Director of Organization of Athens**

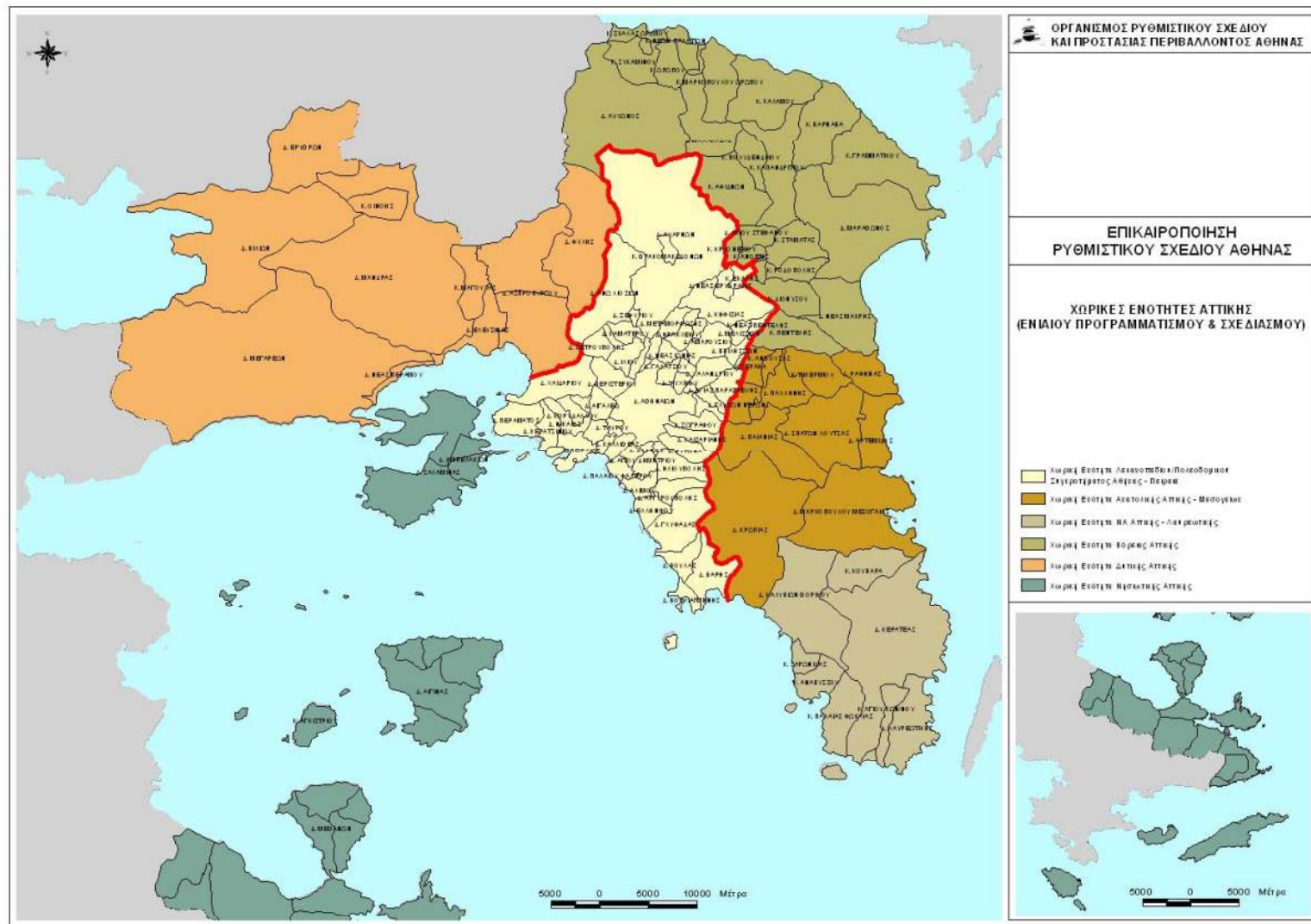
Attica in Europe



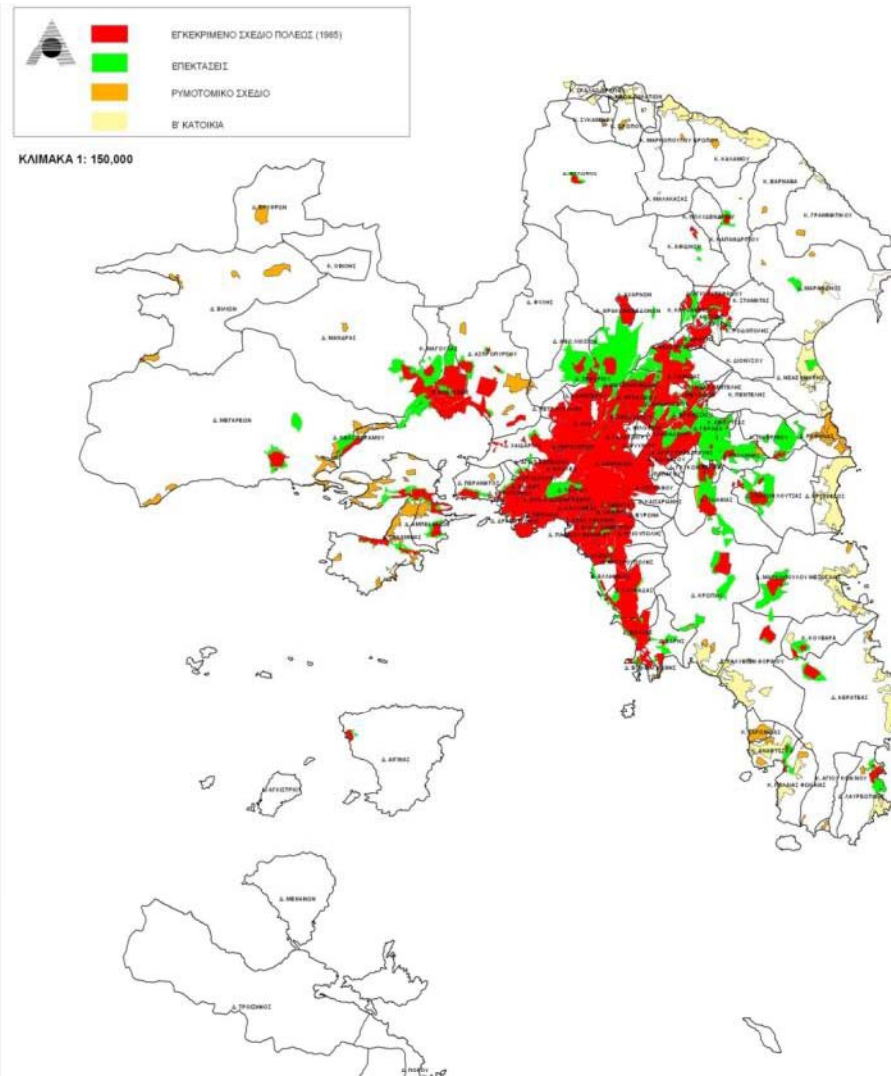
Major challenges for Athens – Attica

- **economic crisis and challenge of competitiveness**
 - **environmental challenge, particularly climate change**
 - **social cohesion, integrating new sections of the population and showing solidarity with the most vulnerable people**
-

Region and Sub Regions of Attica



Evolution of urbanized land 1985- 2010



Subregions of Attica. Population Estimation and Capacity

Subregions of Attica		Population				
		2001 Census	2011 estimation	2021 estimation without immigrants	2021 estimation with new immigrants	Population capacity of existing urban land
1.	Central Sector of Athens	1.179.308	1.140.943	1.052.235	1.164.548	1.194.426
2.	South Sector of Athens	542.171	553.956	540.678	580.397	654
3.	North Sector of Athens	583.900	605.897	598.563	643.722	792.336
4.	West Sector of Athens	499.883	520.620	516.630	539.050	540.588
5.	Subregion of Piraeus	482.356	481.078	460.500	485.634	641.822
	Total of urban Area Athens - Piraeus	3.287.618	3.302.494	3.168.606	3.413.351	3.169.826
6.	Subregion of East Attica	386.067	418.473	432.935	464.146	1.314.745
7.	Subregion of West Attica	149.794	158.678	162.002	167.713	629.798
8.	Subregion of Islands	71.094	70.568	67.236	73.714	
	TOTAL OF ATTICA	3.894.573	3.950.213	3.830.779	4.118.923	5.114.369

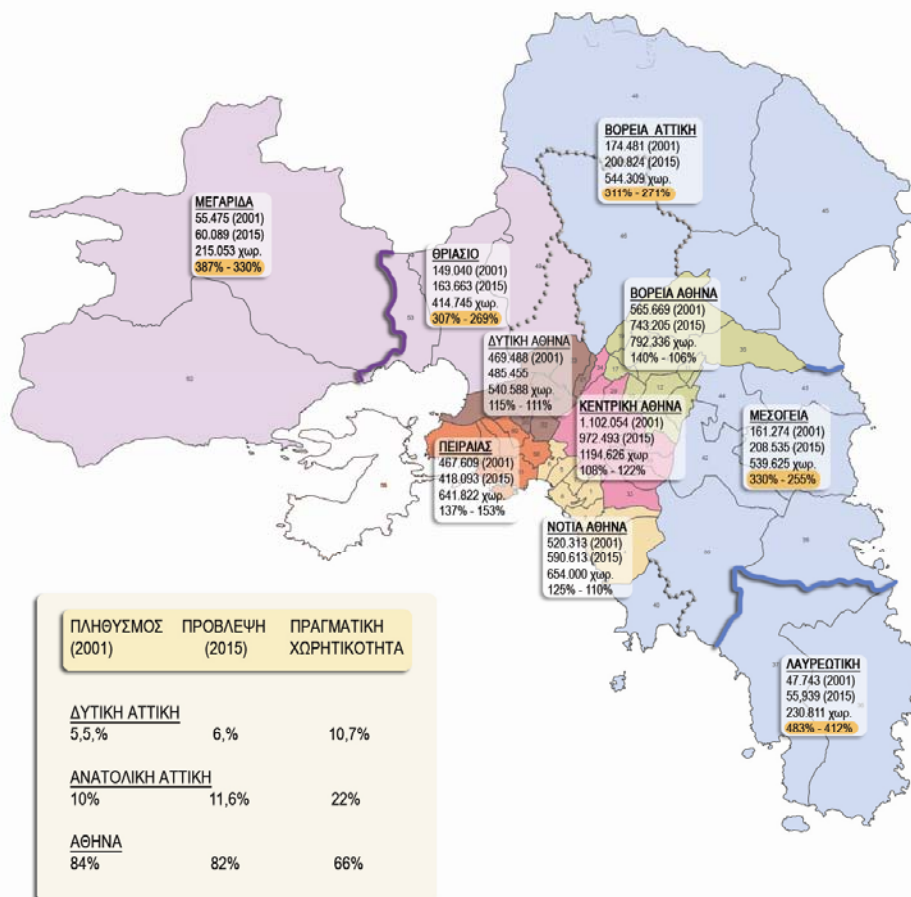
Agricultural land and Industrial Zones

Subregions of Attica		Agricultural Land (Ha)	Industrial Zones (Ha)	Wholesale Zones (Ha)	Business Parks (Ha)
1.	Central Sector of Athens	630	597,88	12,20	0
2.	South Sector of Athens				
3.	North Sector of Athens				
4.	West Sector of Athens				
5.	Subregion of Piraeus		244,78	27,34	0
	Total of urban Area Athens - Piraeus	630	842,66	39,55	0
6.	Subregion of East Attica	83.834,60	1.639,02	101,74	573,13
7.	Subregion of West Attica	34.865,20	1.896,88	714,42	0
8.	Subregion of Islands	Not available	57,02	5,20	0
9.	TOTAL	88.676,30	4.435,58	860,90	573,13

Subregions of Attica, Population estimation and capacity

ΠΡΑΓΜΑΤΙΚΗ ΧΩΡΗΤΙΚΟΤΗΤΑ ΧΩΡΙΚΩΝ ΕΝΟΤΗΤΩΝ ΣΥΝΟΛΟΥ ΑΤΤΙΚΗΣ

(ΔΙΑΧΩΡΙΣΜΟΣ ΚΑΤΑ ΚΑΛΙΚΡΑΤΗ ΒΑΣΕΙ ΣΤΟΙΧΕΙΩΝ ΟΡΣΑ, ΙΟΥΝΙΟΣ 2010)



ΕΠΕΞΕΡΓΑΣΙΑ ΣΤΟΙΧΕΙΩΝ ΚΑΙ ΣΧΕΔΙΑΣΜΟΣ: Β. ΑΤΤΑΡΤ

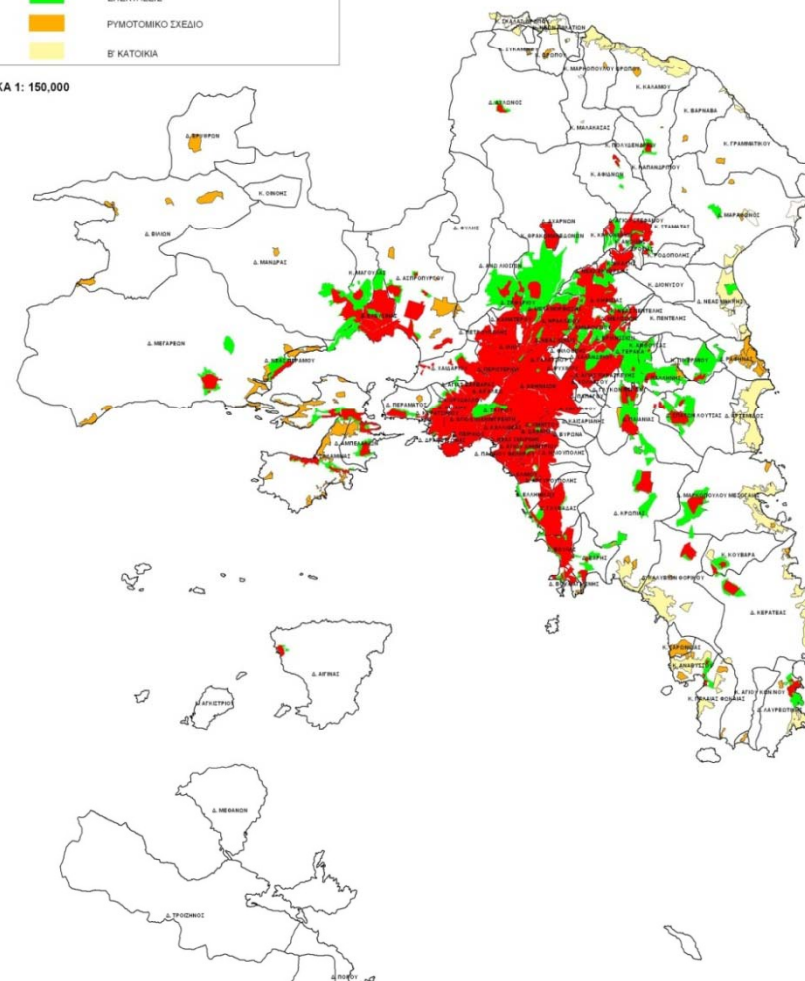
A. Demographic, social trends and urban development

Urban Land	1985	40.000 Ha
New Urban Land	1985-2010	15.000 Ha
Urban Land (secondary house areas)	2010	8.500 Ha

Population	2001	3.894.573
Population (estimation)	2011	3.950.000
Population (estimation)	2021	3.830.000
Population capacity (existing urban land)		5.200.000



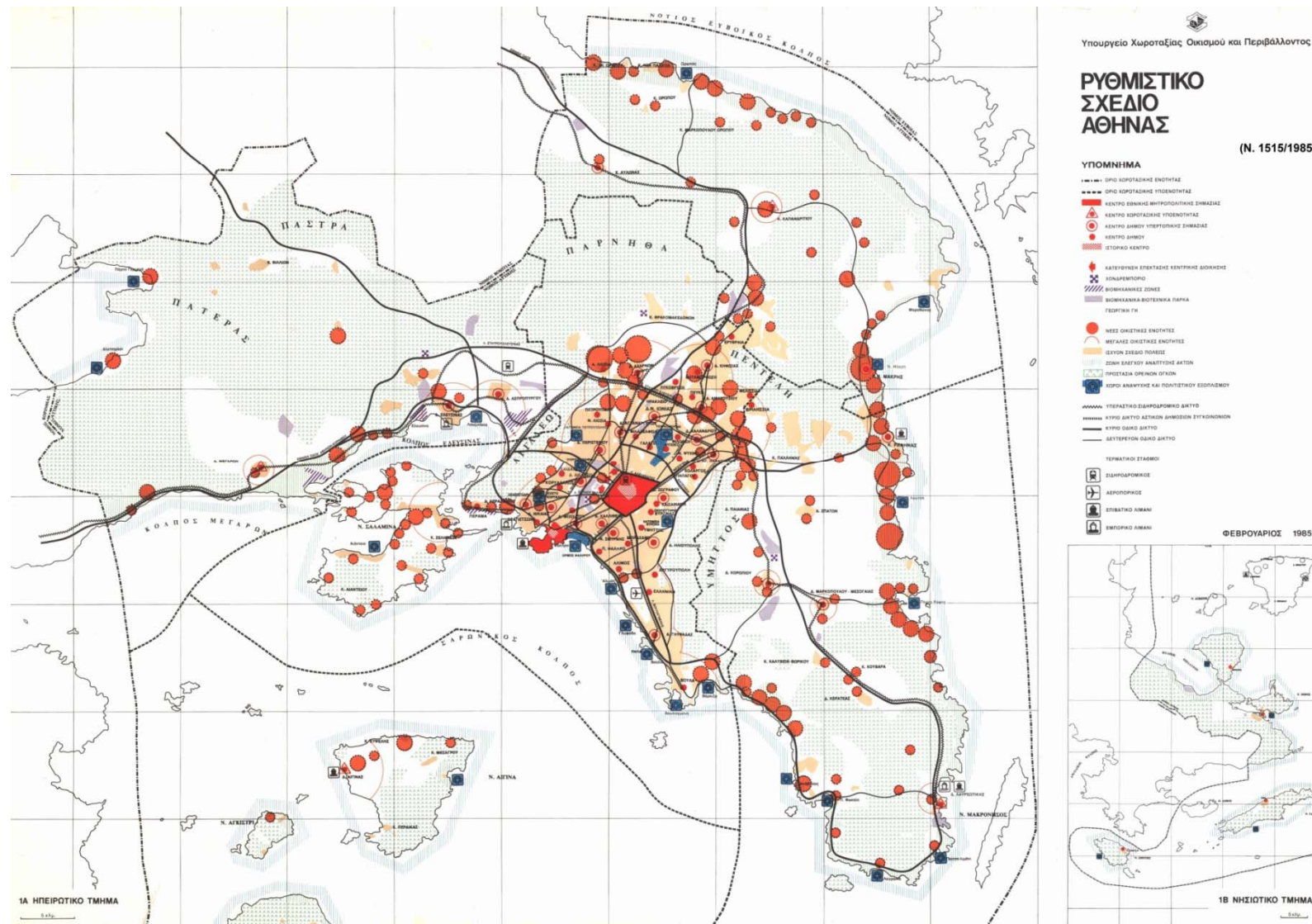
ΚΑΙΜΑΚΑ 1: 150,000



General context of trends and problems of existing urban development pattern.

- **Traditional urban areas, with narrow streets, lack of open spaces and natural ventilation, great densities, consumption of resources**
 - **Suburbanization driven by the infrastructure projects**
 - **Urban sprawl**
 - **Pressures on agricultural land**
 - **Increasing use of car to reach suburbs**
 - **Stagnant areas, vacant buildings and declining conditions of living in the central areas**
 - **Economic crisis, restriction of production and unemployment**
 - **Great number of foreign immigrants**
-

Current Stuctural Plan of Attica (approved in 1985)

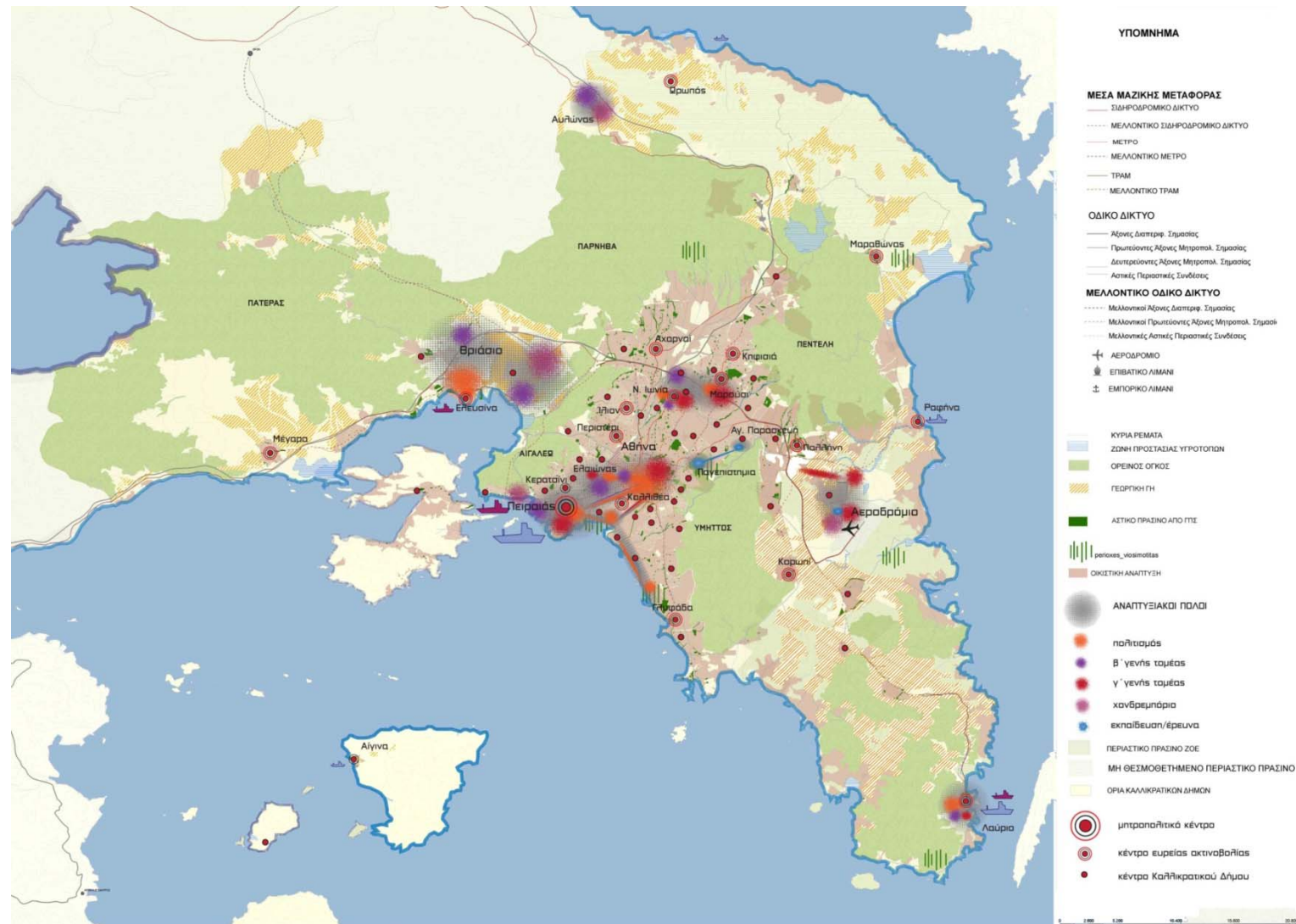


B. NEW STRUCTURAL PLAN OF ATHENS

1. The priorities

- 1. Minimize the ecological footprint of activities and installations**
 - 2. Enhancement of polycentricity**
 - 3. Compact city development**
 - 4. Urban regeneration, through recycling land and building stock to cover the needs within the existing urban fabrics**
 - 5. Restriction of the construction out of the boundaries of Urban Plans**
 - 6. Emphasis on social cohesion policies**
 - 7. Enhancement of the sustainable urban mobility**
 - 8. Protection of the agricultural land**
 - 9. Interconnection of the green Areas creating Ecological corridors**
 - 10. Opening of the metropolis complex to the Sea Front**
 - 11. Restructuring of the productive basis and its infrastructure and organization of the specific zones**
 - 12. Bringing out the cultural identity of The Mediterranean Metropolis of Athens- Piraeus, and the continuity of its civilization**
-

New Structural Plan of Attica - Athens, Under Completion



2. Urban Spatial Development

In the Context of

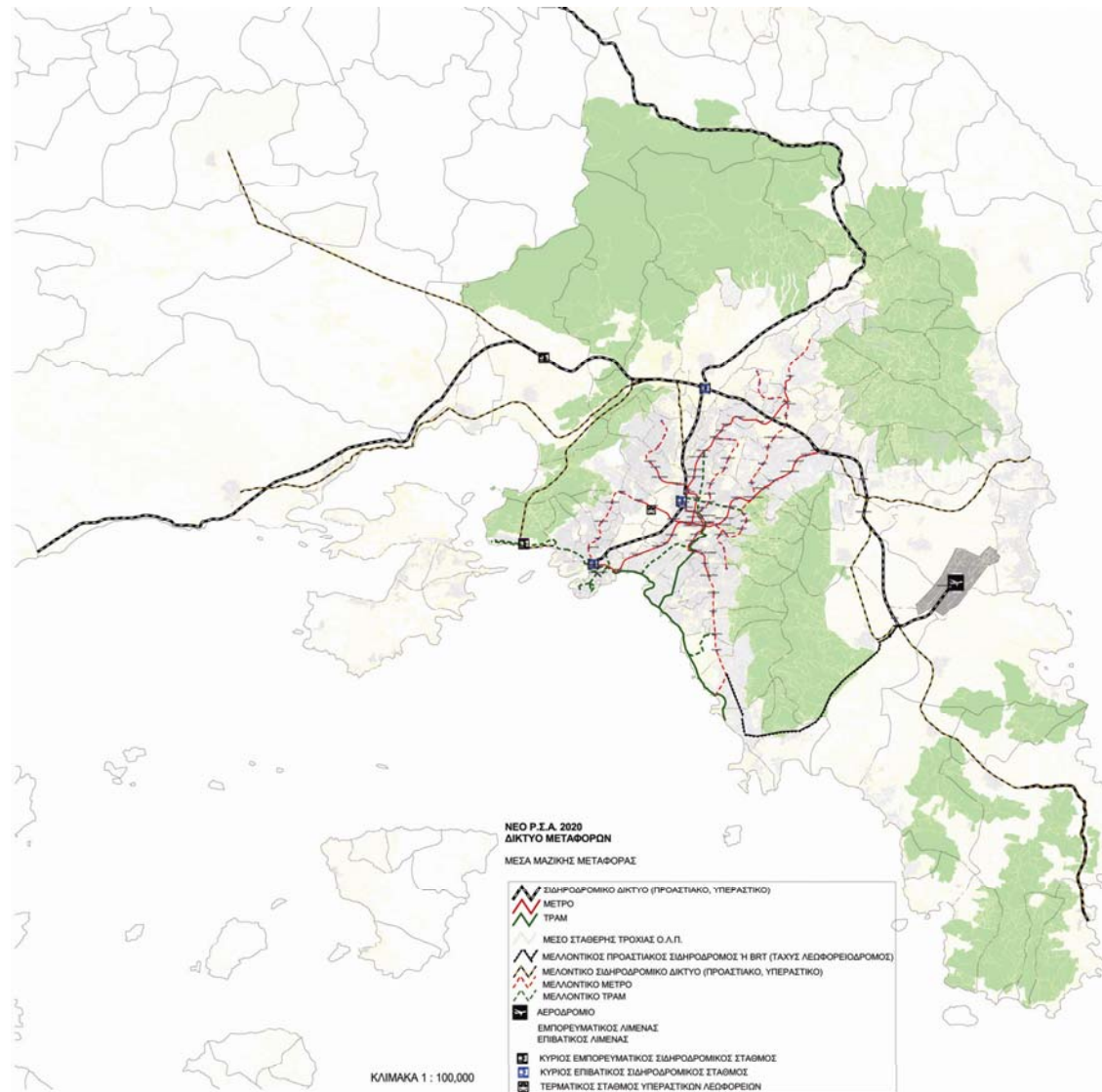
- **The Resource – efficient Urban Spatial Development related to climate change**
- **The specific socio-economic conditions**

Shift in the policies concerning mainly issues of :

- **Urban development Pattern**
 - **Green and Blue Strategy**
 - **Energy policy - Fight against Climate Change**
-

■ Transportation Pattern - Enhancement of the sustainable Mobility

A new Metro Line and
Tramway Extension



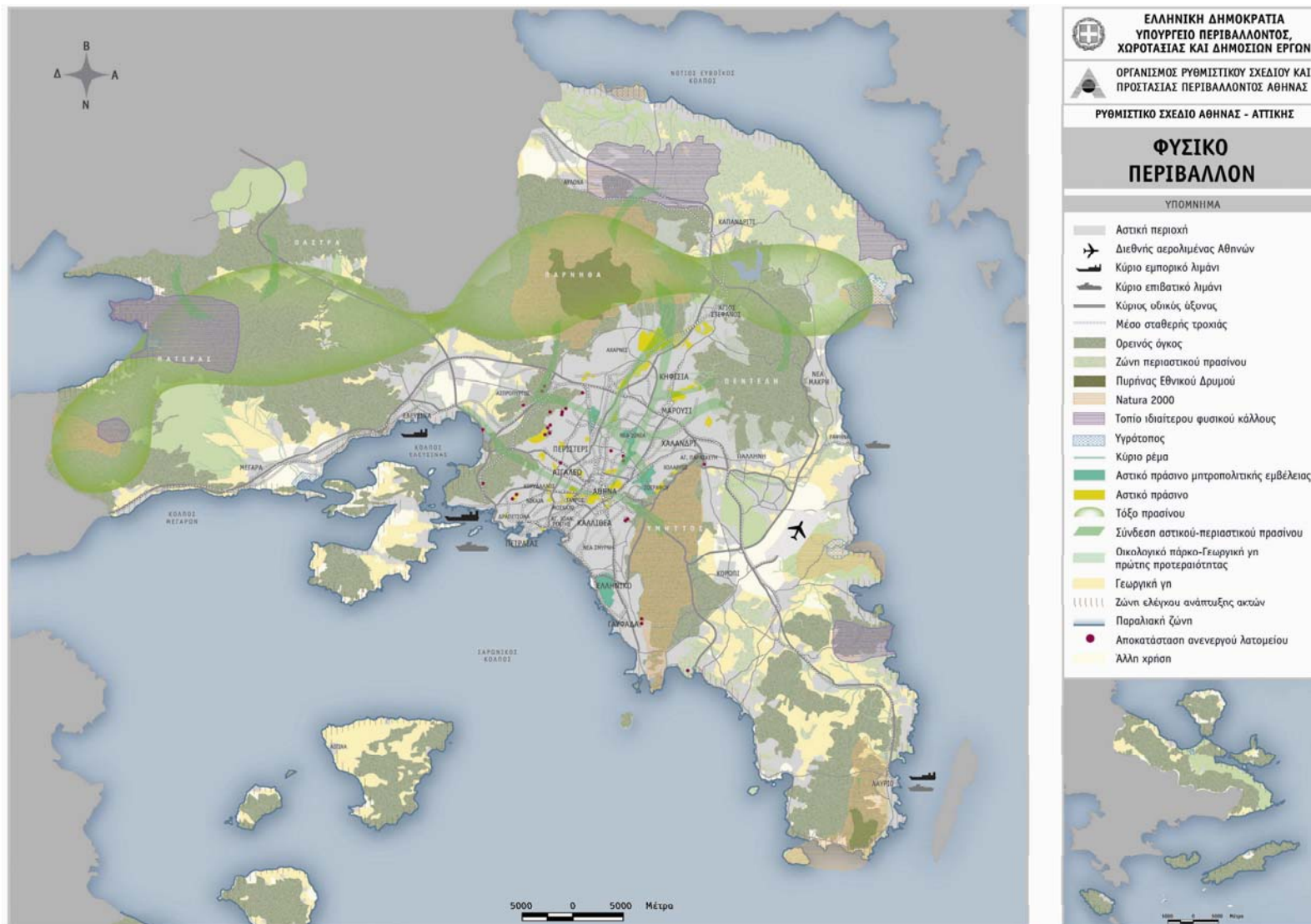
2.1 Urban development Pattern

- **New approach to the rural-urban areas relation**
 - **Recycling land - compact city planning – restriction of new developments**
 - **Integrated urban regeneration – enhancement of centricities**
-

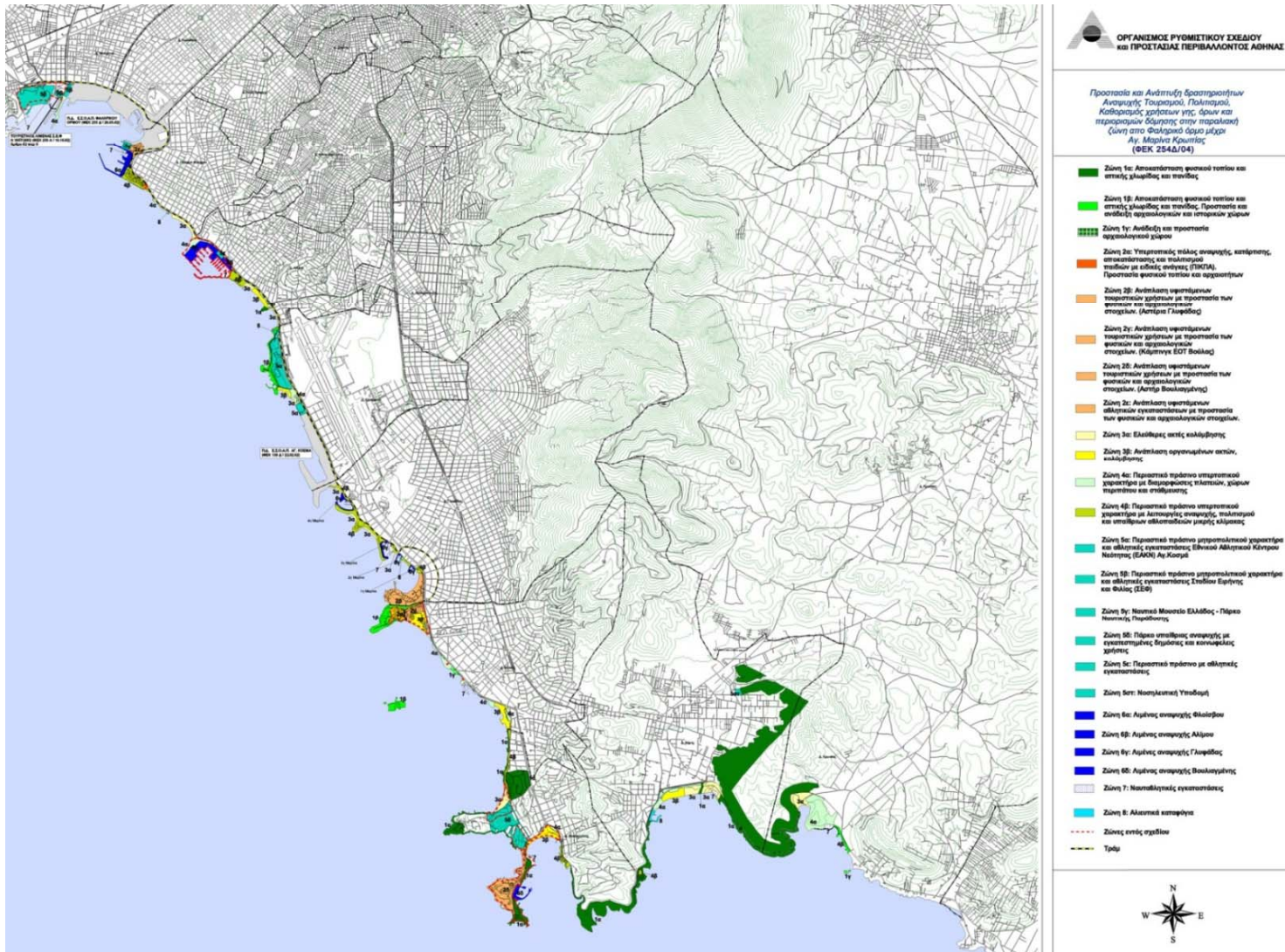
2.2 Green and Blue Strategy

- **Protection of forest land**
 - **Protection of the agricultural resources**
 - **The protection and management of biotopes, wetlands and mountains**
 - **Green areas – Parks**
-

■ Connection of the city to the Coasts and Green Areas



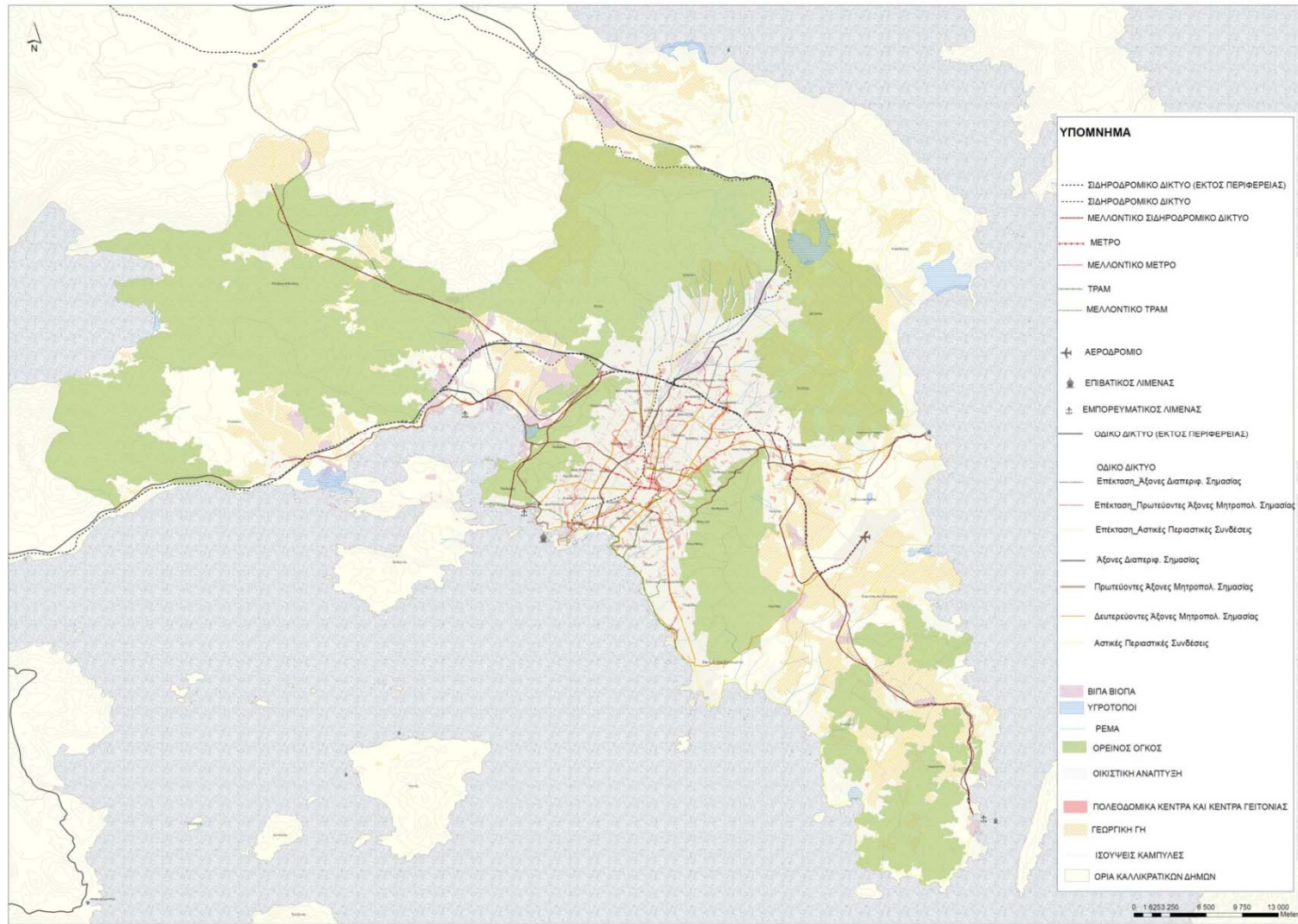
■ Planning and protection of the coastal and river areas



2.3 Transportation Pattern - Enhancement of the sustainable Mobility

- **Transit oriented city development**
 - **Enhancement of the environmental protection**
 - **Enhancement of the social cohesion**
 - **Reorganization of the Bus Transit System**
 - **Facilitating of the non motorized mean of transport (pedestrians, bikes)**
-

- The transport system will be developed on the **Principle of supplementarity**, giving emphasis to the rail network



2.4 Energy Policy

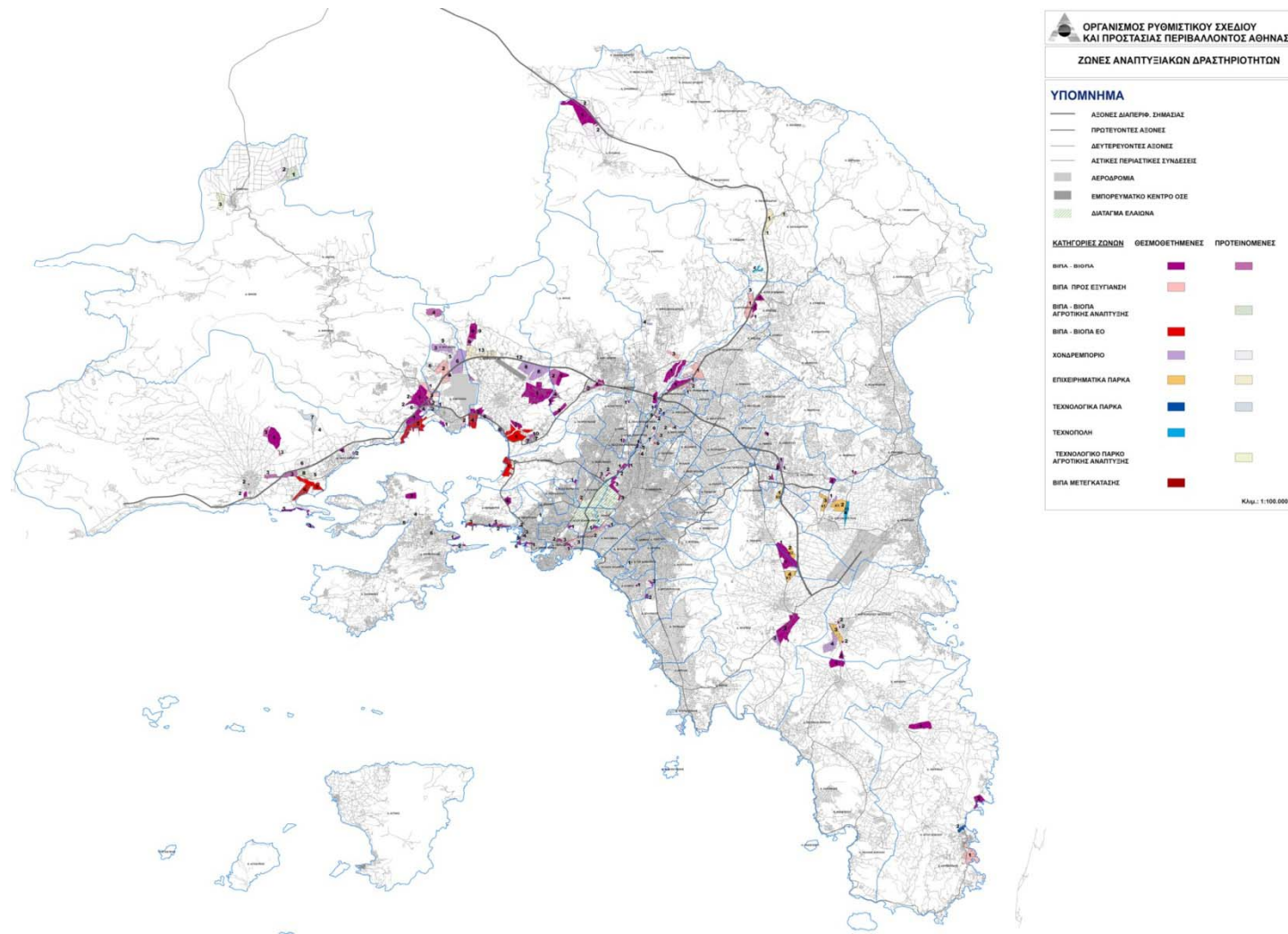
- **Renewable sources of energy through installation of wind turbines and solar cells**
 - **Recycling of buildings' and households' waste**
 - **Protection and management of water resources**
 - **Building in environmentally friendly and energy-saving way**
 - **Environmentally sensible restoration and renewal**
 - **Promotion of green and public transport.**
-

3. Tools

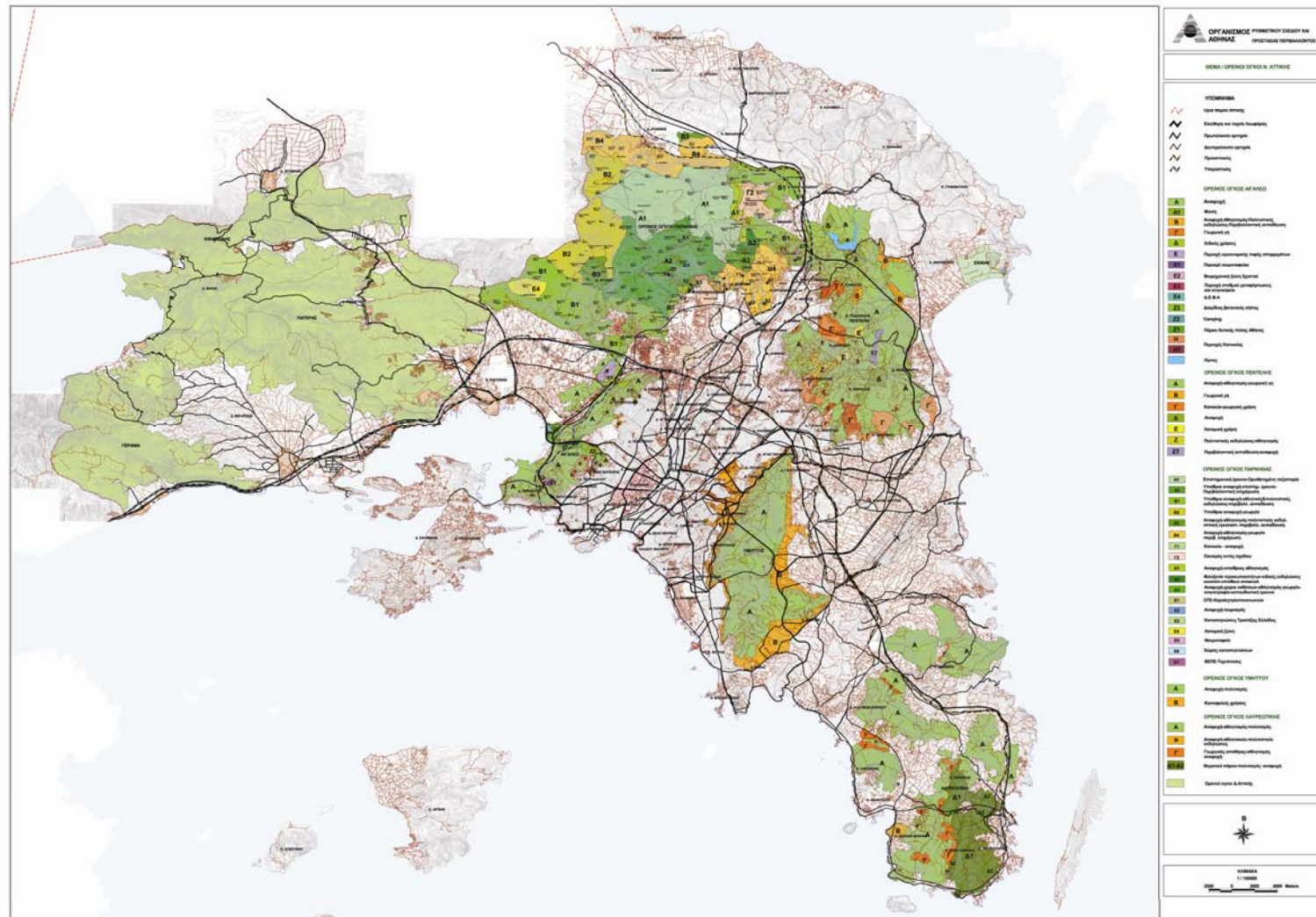
- 1. Presidential Decrees for the planning and protection of the Coastal Zones and Rivers**
 - 2. Legislative framework for the Localization and the Regulations for facilitating the installation of renewable sources of energy**
 - 3. Regulation for building energy efficiency**
-

-
- 4. Legislative framework for the recycling of Waste**
 - 5. Proposition for a New Construction Regulation**
 - 6. Programs and Regulation for Protection and management of Water resources**
 - 7. Establishment of the Green Fund, in relation to the Capture of Value of the urban upgraded areas.**
-

9. Organization of a network of zones for industrial, wholesale and logistics, and business use



10. Presidential Decrees for the protection and management of Mountains, Green areas, Wetlands and Biotopes



C. GREAT INTERVENTIONS AND PILOT PROJECTS

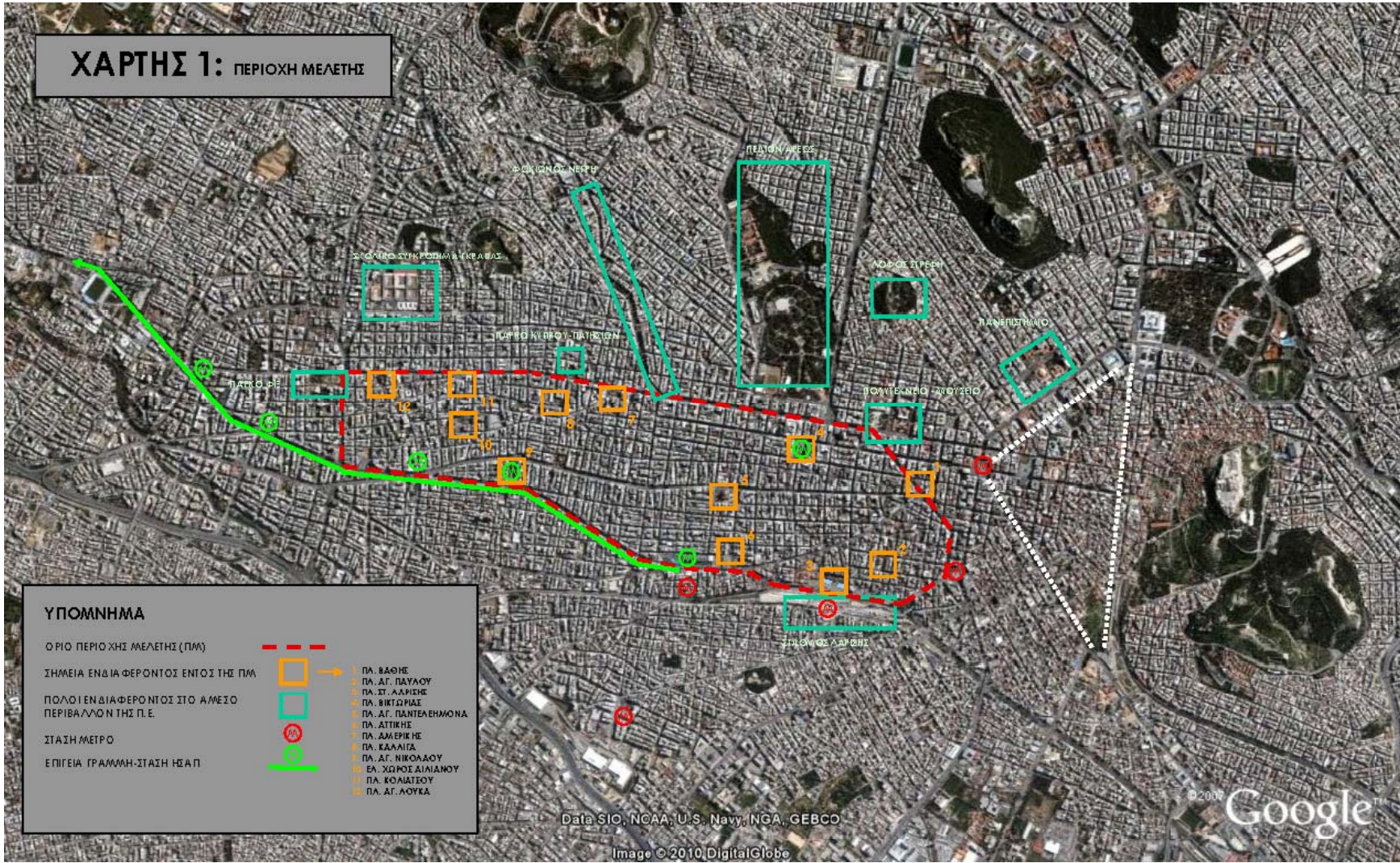
1. Urban development Pattern

■ Regeneration of central areas of Athens

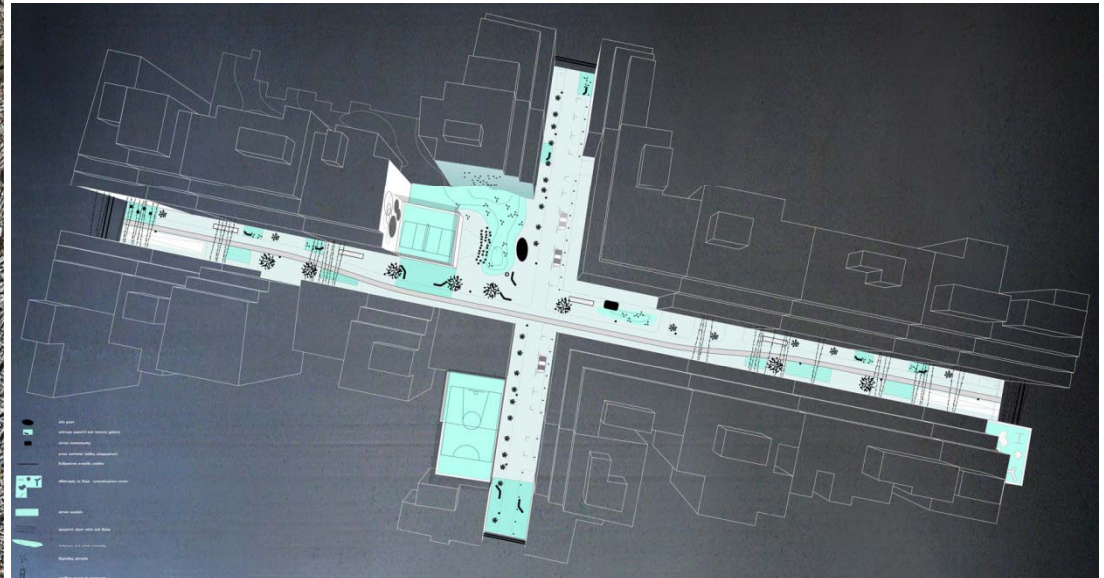
Programs for

- **upgrading the image and the function of the areas**
 - **enhancing the administrative , residential , cultural character**
 - **social inclusion**
 - **environmental upgrading**
-

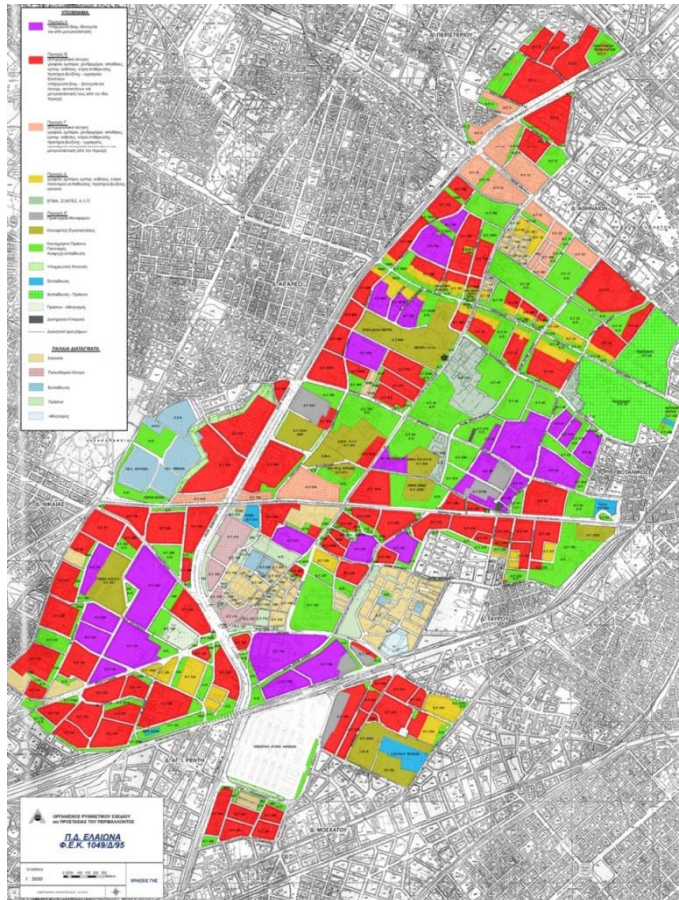
- **Regeneration Strategy Program for high density city center residential and mix use areas / Kato Patissia**



■ The “Athens Charting” Project



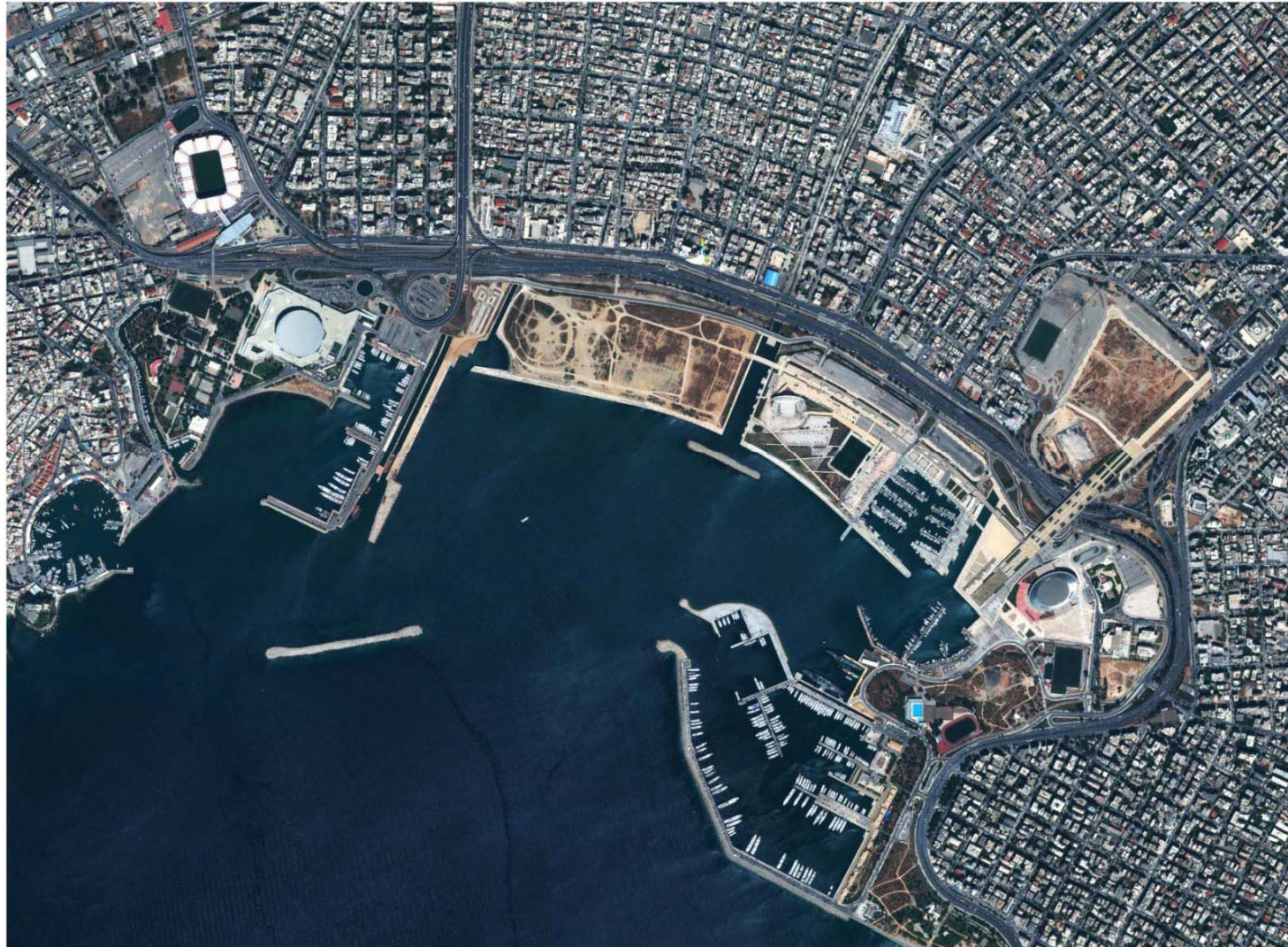
- **Reuse of the Olympic infrastructure**
 - **Convention center in Faliron Bay**
 - **Ellinikon Recreational Park**
- **Rehabilitation of Eleonas industrial area**



2. Green and Blue Strategy

- **Ellinikon Metropolitan Park**
 - **The protection and management mountains**
 - **Protection and management of wet lands (Shinias, Vravrona, Vourkari, e.t.c.)**
 - **Reclamation and Reformation of the Attica's Coastal Zone**
 - **Coordination of the local Master Plans within the context of the relevant Presidential Decree of Saronic Bay**
-

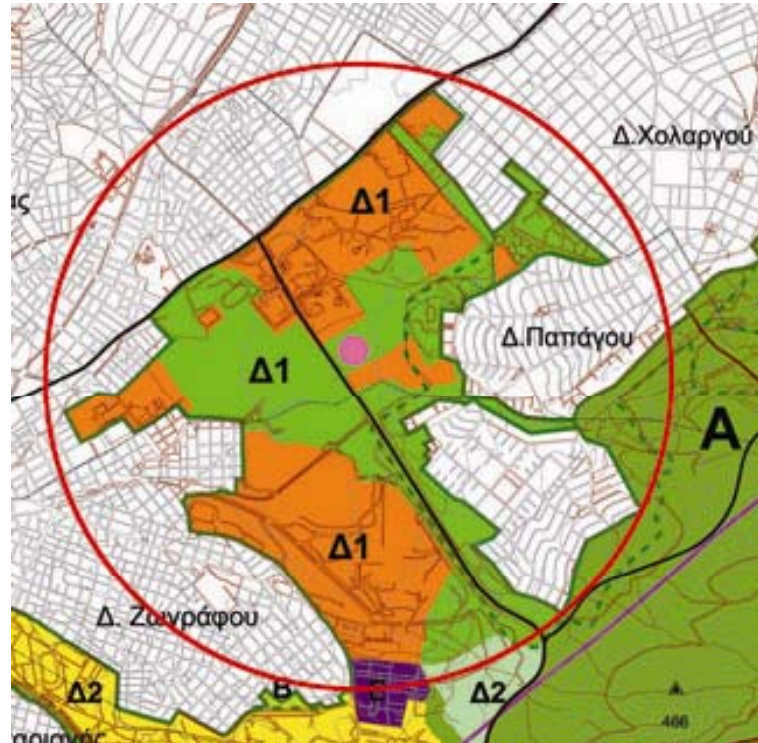
Existing Condition of Faliron Bay



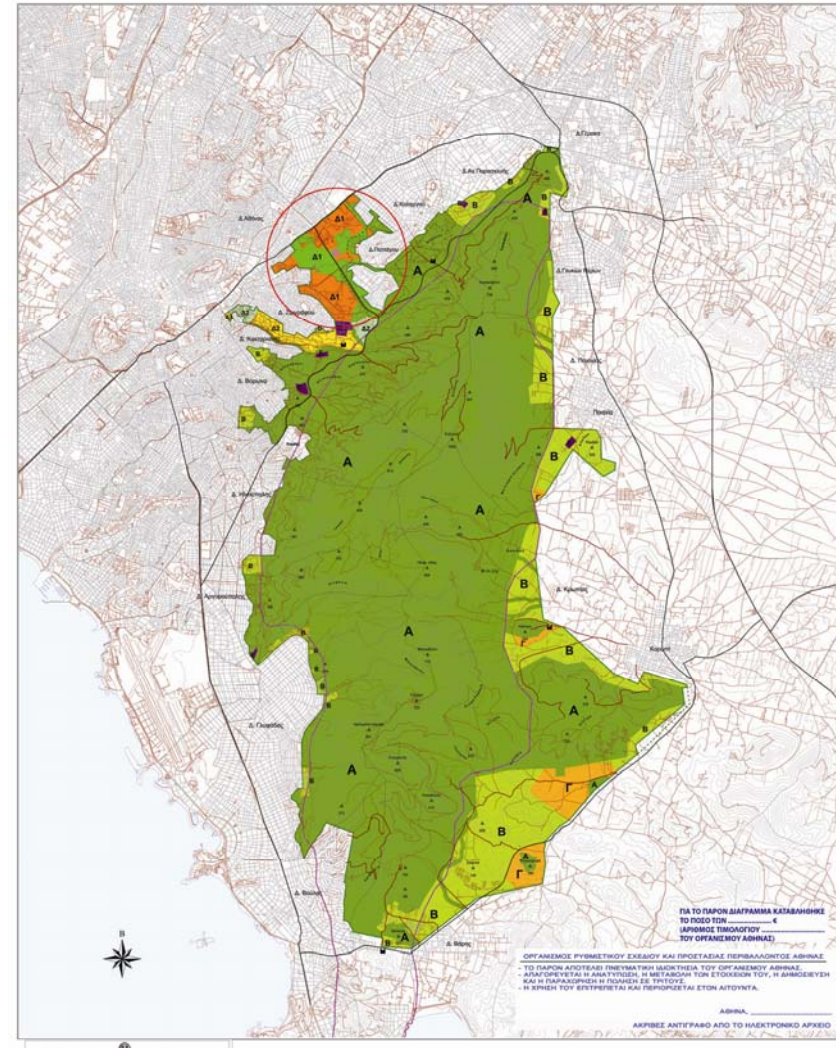
- **Remodeling of the Olympic venue area of Faliron Bay, creating an ecological Park and a pole of cultural attraction (Opera House and National**



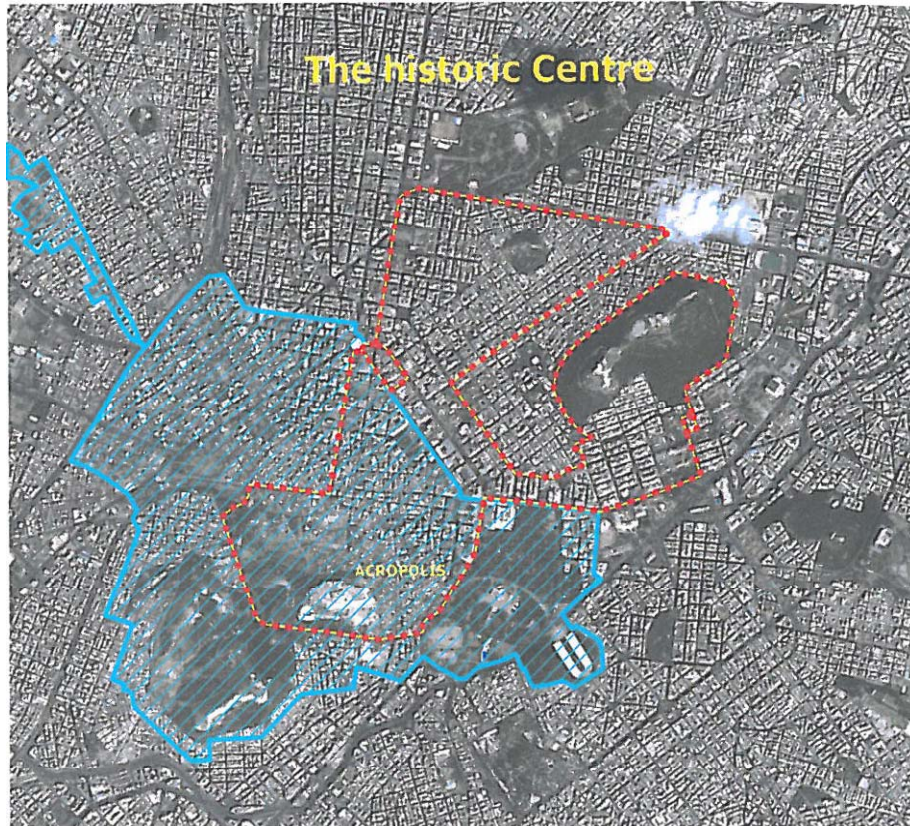
■ Goudi Metropolitan Park



Mount Immitos Protection Zones

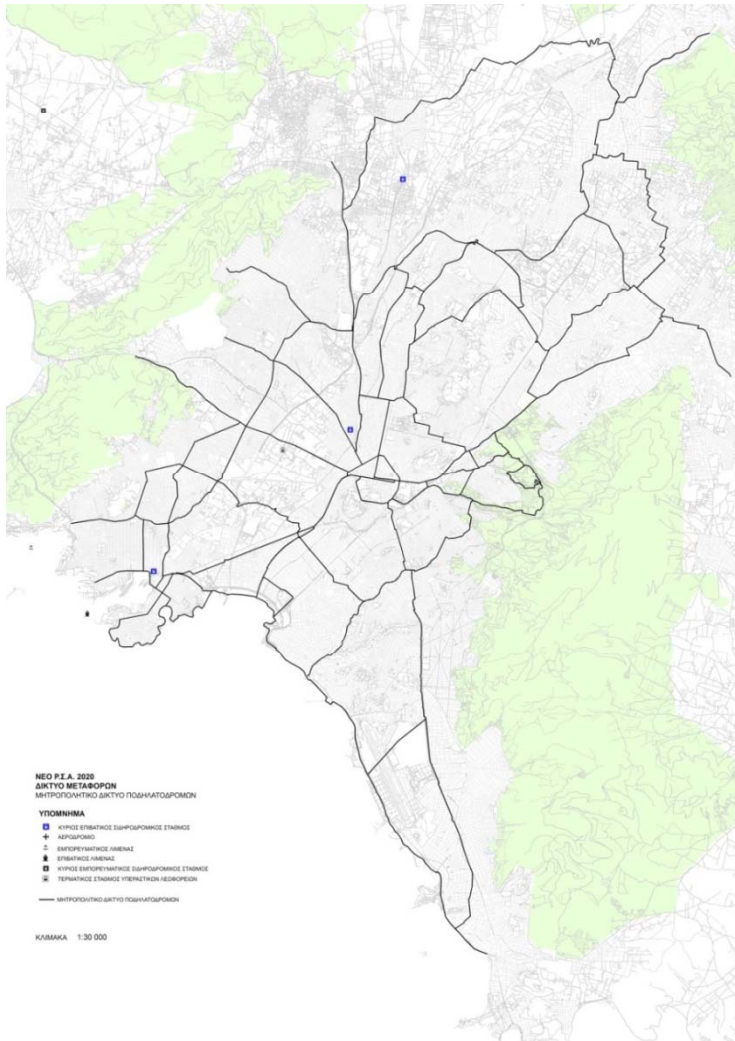


- **Unification of the Archeological Sites**



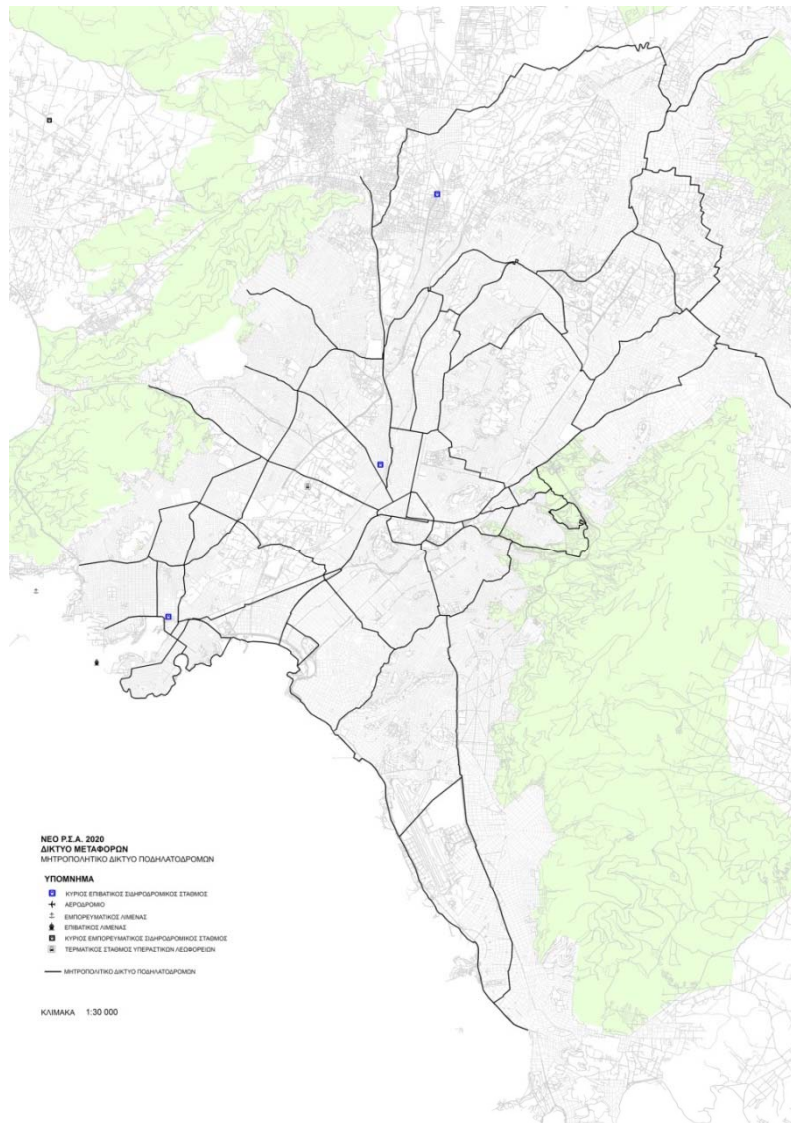
[illegible]

3. Transportation Pattern - Enhancement of the sustainable Mobility



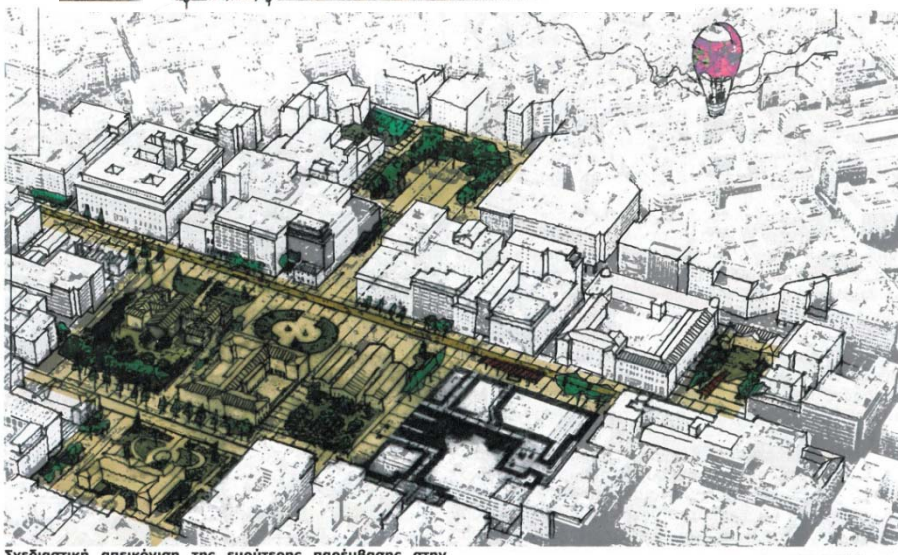
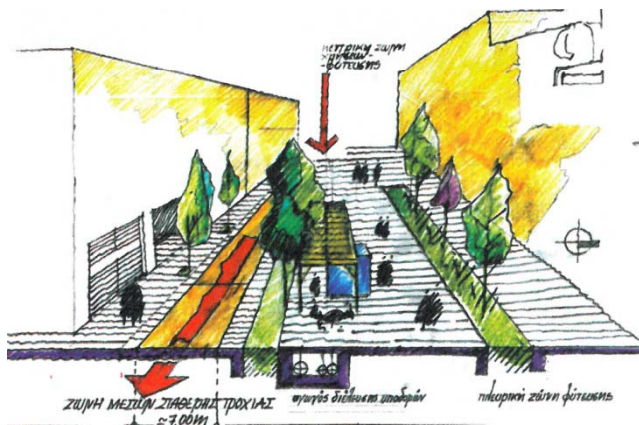
- A new metro Line and extension of tramway

■ An extended network of bike-lanes

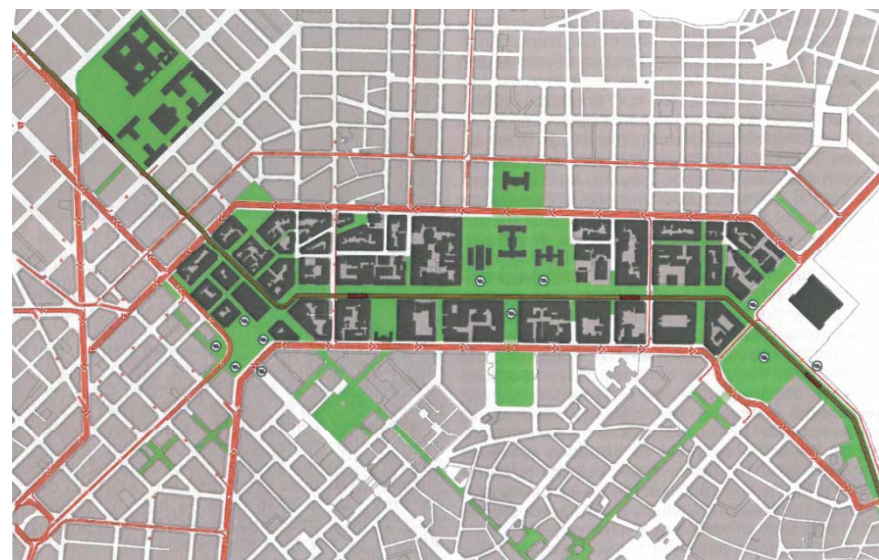


■ Pedestrianization of central arteries

- Linear pedestrian area of Panepistimiou Avenue in the city center and extension of the tram way in the central areas

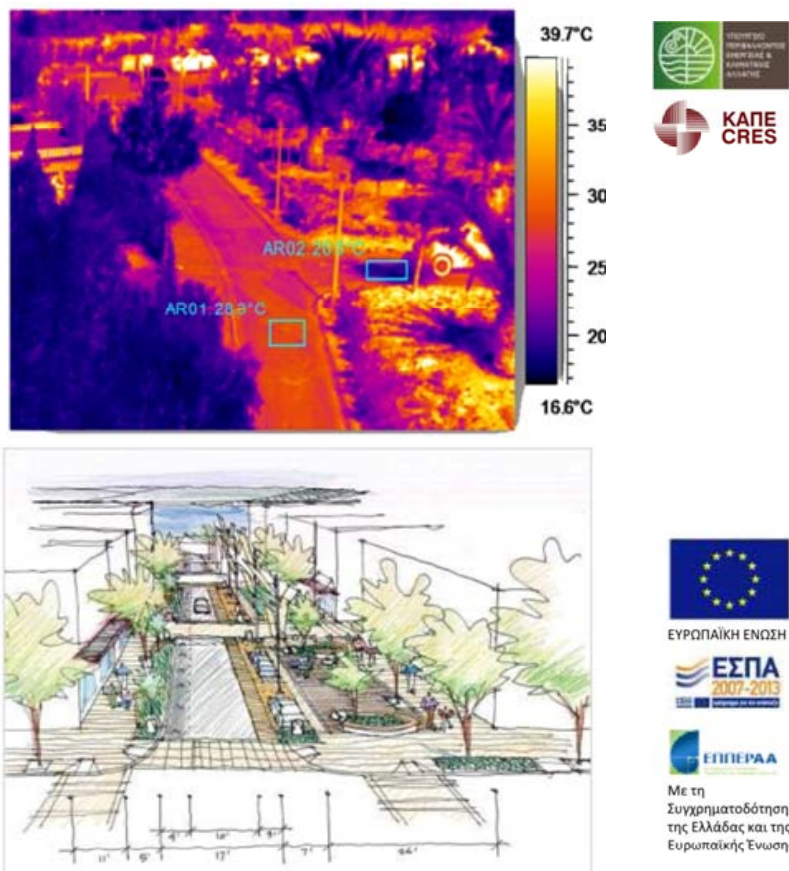


Σχεδιαστική απεικόνιση της ευρύτερης παρέμβασης στην Πανεπιστημίου, με ενοποίηση του δημόσιου χώρου της τριλογίας της Εθνικής Βιβλιοθήκης, του Πανεπιστημίου και της Ακαδημίας, σε συνέχεια με την Κораή και δυναμική σχέση με την πλατεία Κλαυθμώνος και το πνευματικό κέντρο του Δήμου Αθηναίων. Η πλατεία Δικαιοσύνης θα πρέπει να αποτελέσει επίσης πόλο ανασύνταξης της πόλης με ουσιαστική παρέμβαση στις χρήσεις και στο αστικό δάπεδο.



4. Energy policy - Fight against Climate Change

- Programs – incentives for installation of solar panels on buildings
- Programs – incentives for buildings' energy efficiency
- Environmentally friendly renewal of open public spaces



■ Green Neighborhoods

- the use of materials, technics and methodologies with the minimum environmental cost
- use of renewable resources of energy
- best management of waste and water
- increase of green surface to ameliorate the local microclimate



Ο.Τ. 639 Δήμου
Αιγάλεω