

Research projects

EU / EC research projects ESPON

The following research projects have been elaborated in the frame of the **European Spatial Planning Observation Network / ESPON**. They have been financed by the European Commission and the Member states of the European Union.- **see in the ESPON website www.espon.eu / Projects**

ESPON 2013 Projects

- Transnational Project Group (TPG) led by University of Bucharest, **GROSEE / Growth poles network In South East Europe** (2012-2014) - *see in the ESPON website the Reports of the project (Final Report 2014)*. I was the Supervisor and the main Researcher of the NTUA workgroup participating in the TPG.
- Transnational Project Group (TPG) led by University of Geneva (UniGe) / Switzerland, **INTERCO / Territorial cohesion Indicators and Indices** (February 2010- February 2012) - *see in the ESPON website the Reports of the project (Final Report 2012)*. I was the Supervisor and the main Researcher of the NTUA workgroup participating in the TPG.
- TPG led by IGEAT, Belgium **European Spatial Planning Observation Network (ESPON) Project FOCI / Future Orientations of Cities: Cities and urban agglomerations: Their functionality and development opportunities for European competitiveness and cohesion (2008-2011)** –*see in the ESPON website the Inception Report, the Interim Report, the pre-final report and the Final Report (2011) of the project*. I was the Supervisor and the main Researcher of the NTUA workgroup participating in the TPG. I was coordinator of the Work-package of the project: “Opportunities through Polycentric cooperation”
- TPG led by Université de Paris 7- Denis Diderot, France, **ESPON 2013 Project Database (2008-2013)** - *see in the ESPON website the Reports of the project*. I was the Supervisor and the main Researcher of the NTUA workgroup participating in the TP as experts.
- TPG led by CNR, **DEMIFER / Demographic and migratory flows affecting European regions and cities (2008 –2013)**, Author, in collaboration with G. Karka, of the case study report: “Thessalia (Greece): “Challenge of decline” poorly faced by immigration”, September 2010

ESPON 2006 Projects

Transnational Project Group (TPG) led by IGEAT / Belgium, *European Spatial Planning Observation Network (ESPON) Project 3.2: “Spatial scenarios and orientations in relation to the ESDP and EU Cohesion Policy”* (2004 -2007), – *see in the ESPON website*.

Scientific responsible and main researcher of the NTUA Workgroup which has participated in the project I have contributed to the elaboration of scenarios, -in particular in the fields of enlargement, governance and proactive scenario – and policy recommendations. Among others, I contributed an in-depth analysis of spatial structures of W. Balkans and Turkey in the frame of the enlargement scenario

TPG led by Nordregio (Sweden), *ESPON Project 1.1.1: “The role, specific situation and potentials of urban areas as nodes in a polycentric development”* (2002-2005) – *see in the ESPON website*.

Scientific responsible and main researcher of the NTUA Workgroup which has participated in the project.

Among others, I contributed an in depth analysis of spatial structures of Greece, Cyprus and Malta.

TPG led by the Royal Institute of Technology (Sweden), *ESPON Project 1.1.3: “Particular effects of the EU and beyond on the polycentric spatial tissue with special attention on discontinuities and barriers”* (2002-2005) – *see in the ESPON website*.

Scientific responsible and main researcher of the NTUA Workgroup which has participated in the project.

More specifically, I contributed in the following sections of the Final Report (FR):

- 1.5.1 European Integration effects on the regional development and the polycentric structure: some lessons from the Greek accession experience (FR Part 2 pp. 16-24)
- 2.10.2 Greek-Bulgaria border regions (FR Part 2 pp. 125-136)
- 3.3 Rethinking some aspects of polycentricity (FR Part 2 pp. 142-147) (together with L. Van Well)
- 3.3.1.3 A potential SE Europe / Balkans Integration Zone (FR Part 2 pp. 154-157)

During the project I contributed an in depth analysis of urban development in the Balkan countries (including W. Balkans).

TPG led by the University of Valencia, *ESPON Project 2.3.2. “Governance of territorial and urban policies from EU to local level”* (2004–2006)” – *see in the ESPON website*. Researcher

Other Research Projects

IGCOORD Project / EU COST Action CA20123 - IGCOORD: Intergovernmental Coordination from Local to European Governance, Duration: 30 September 2021 - 29 September 2025

<https://www.cost.eu/actions/CA20123/> Participation as Management Committee Member (Greece)

PHOENIX Project / EU COST Action CA19123 - PHOENIX: Protection, Resilience, Rehabilitation of damaged environment, Duration: 22 September 2020 - 22 September 2024

<https://www.cost.eu/actions/CA19123/> Participation as Management Committee Member (Greece)

NTUA workgroup, "Preparation of the **Territorial development Plan of the Potimon area at the Commune of Kissonerga** of the Republic of Cyprus", 2010, Final Report – July 2010.

I was scientific responsible and main researcher in this program.

NTUA and University of Thessaly (UT) workgroup, **Integrated Development Operational Plan for the Prefecture of Athens** (2005-2007), Research program financed by the Prefecture of Athens. Final report: about 600 p., Athens, 2007.

I was coordinator of the NTUA-UT workgroup and had scientific responsibility of the NTUA sub-group. Budget: 178.500 Euros.

In the frame of this project the NTUA sub-group made an in-depth examination of the economic, demographic, social and environmental spatial parameters and indicators of Athens; among others, relevant Lisbon indicators as well as other EU indicators were taken into account. Also, urban governance and spatial planning issues were examined in the framework of the Community spatial development policies.

The relevant findings of the research project were included in the book "Development dynamics and social change in Athens 1991-2006" (2007) - see below in Books.

NTUA Workgroup, "Spatial Development Strategic Plan of Attica Metropolitan Region" (2000-2002), Research financed by the Organisation of Planning of Athens and published by NTUA. Scientific responsibility: K. Gerardi.

Participated in the project as Researcher, responsible for the section "Urban structure".

NTUA Workgroup, "Analysis of the prospects of the municipality of Amaroussion on the horizon of 2000 +" (2000-2002). Research financed by the Municipality of Amaroussion.

I was scientific responsible and main researcher in this program.

"The centres of Attica - Actualisation of the Athens Master Plan: Examination of the spatial structure of the supralocal centres' network and the spatial planning sub-sections of Attica, as well as their centres in relation to the network of the central activities ".(1997-1998). Research financed by the Organisation of Planning of Athens. Budget: 11.000.000 drs.

I was scientific responsible and main researcher in this program.

"The network of central activities of Athens. Changes in service activities and communications in the Greek Capital during the last 30 years" (1997-1998)

Three research programs financed by the General Secretariat of Research and Technology of the Greek Ministry of IRT, the Organisation of Planning and Environmental Protection of Athens and the Municipality of Athens.

I had the scientific responsibility of these programs.

Conference on "The new polycentricity (polycentrism) and spatial development: Urban areas, small and medium- sized cities and the countryside" – Athens, September 2001.

The proceedings of the conference were published in 2004. The conference was organised by the NTUA, the University of Paris XII and the Greek Ministries of ESPPW and Economy. I was coordinator of the Steering Committee.

"Strategic action plan for the development of small and medium- sized cities and of the surrounding countryside, particularly in islands" (2000-2001). Research financed by the Greek Ministry of ESPPW. Budget: 17.000.000 drs. (1 Euro = 340,7 drachmes (drs) -since 2000).

I was scientific responsible and main researcher in this program.

"The National Urban Network: Existing condition, policy recommendations and spatial planning" (1996 – 1998). Research program financed by the Greek Ministry of ESPPW. Final Report:

more than 400 p., Athens, 1998. Budget: 50.000.000 drs.

I was the scientific responsible of this project.

The project examined in depth all levels of the Greek urban system: metropolitan regions, small and medium-sized cities and the surrounding countryside. It was used as reference by the Spatial Development Plans studies for the twelve Greek Regions.

"Use of urban planning mechanisms in programs of housing estates' renewal" (1989 - 1993). Research financed by the GSRT of the Greek Ministry of IRT and the Municipality of Nikéa.

"Use of urban planning instruments for the program of urban renewal in the refugees area of Nikea" (1989 -92). Research financed by the Developmental Company of the Municipalities of the wider area of Piraeus.

"Technological and Cultural Park of Lavrion» - feasibility study (1995). The creation of this Park is co-financed by EU (2nd Comm. Support Framework) and NTUA. Subject of my own contribution was: *"The integration of the Technological Park of Lavrion in the development of the wider region of Lavrion and in the Attica Region"*.

"Roadside land uses and building norms in the main road network" (1995-1996). Research that was financed by the Greek Ministry of ESPPW. Budget: 36.000.000 drs. Scient. resp.: A. Aravantinos

"Demands analysis for the National Spatial Planning Information System" (1996-1998). Research financed by the Greek Ministry of ESPPW. Budget: 50.000.000 drs. I was responsible of the Urban and Regional Planning subgroup of the Department of Urban and Regional Planning of NTUA that participated in this program. Scient. resp.: D. Rokos.

"Spatial development of economic activities, new technologies and built environment in the wider region of Piraeus". Research project which has been included in the STRIDE program of E.C. It has been carried out by the Developmental Company of the municipalities of the wider area of Piraeus (municipalities of Piraeus, Keratsini, Drapetsona, Nikea, Korydallos and Perama) between 1992 and 1994. Total budget: 240 Millions of drs. The project had included:

- The creation of a Geographic Information System concerning the wider region of Piraeus
- The creation of a Data Base of the enterprises of the same region
- The elaboration of a research on the spatial development of the economic activities of the region of Piraeus as well as proposals on the spatial organisation of the corresponding zones of economic activities
- A training seminar in Geographic Information Systems (GIS)
- The setting of a network between Greek municipalities and other local authorities as well as international bodies dealing with similar issues.

I was the scientific responsible of this program.

"Preliminary Spatial Plan of the wider region of the lignite fields of Megalopolis" (1987 -88). I had participated, as a Researcher, in the workgroup that lead this research. The research was financed by the Greek Ministry of ESPPW / Direction of Spatial Planning.

"Spot check and rewording of the location model of industrial installations in Attica, with regard to the ratio: "occupied surface / employee", to define appropriate standards" (1985-87). I was the scientific responsible for this research, which was financed by the Greek Ministry of ESPPW / Direction of Spatial Planning of Athens

I was scientific responsible and main researcher in this program.

"Urban land rent and land and housing markets in residential areas of post-war Athens" (1988 - 89). I was the scientific responsible for this research, which was financed by the GSRT of the Greek Ministry of IRT.

"Factors that influence the urban land rent in the metropolitan region of Athens afterwards 1960, in the phase of integration of new urbanised areas in the City Plan" (1986 - 87). I was the scientific responsible of this research, which was financed by the General Secretariat of Research and Technology (GSRT)

"Urban land rent in Athens: a. in areas accessing into the Urban Plan. b. in the cases of areas where the permitted building coefficient increases" financed by the Technical Chamber of Greece and the Greek Ministry of ESPPW.

"*Tourist Development of Northern Kynoyria*" (2002-2003) (co-responsible of the project)

"*Development, Environmental Protection and Land-Use on the island of Syros*" (1990 - 92) (co-responsible of the study) financed by the Greek Ministry of Environment, Spatial Planning and Public Works (Ministry of ESPPW) and the EC ENVIREG Programme.

"*Creation of tourism infrastructure in Aspropotamos (Trikala) area*" (1986 - 88) (co-responsible of the project)

"*Tourist Development of Coastal Kynoyria*" (1985-88) (co-responsible of the project).

"*Spatial Development Plan of Grevena Prefecture*" (1998 – 2000).

"*Urban Plan for an area of holiday residence in Eastern New Kallikratia in Prefecture of Chalkidiki*" (1995 -96) – financed by the Greek Min. of ESPPW / Dir. of Urban Planning

Projects of: *Structural Urban Plan and Extension – Revision of the Plan of Astros - Paralio Astros - Meligou* (1985 – 86).

"*Urban regeneration Plan of Girikomio – Ellinoroson – Erythros*" of the Municipality of Athens.
Budget 38.366.000 drs (2000-2002) – responsible for the project: G. Karka

Evaluation of proposals that were submitted by Greek Local Authorities to be included in the program of the Greek Ministry of ESPPW for the implementation of the principles of Habitat II agenda (1999).

"Creation of an alternative development pattern at Karitsa for the settlement of expatriate Greeks" (1985) "Proposal of alternative development of Northern Kynoyria" financed by the Greek Government (1984-85), as scientific responsible

Structural Urban Plan of Trizinia Province (1984).

Structural Urban Plan of five towns of Cephalonia island (1983-84), as spatial planning advisor

Projects of "built-up areas according the Law 947/79" in Inofita and Meggavli of Rhodes (1980).