

Dr. Stamatis Kalogirou BSc MSc PhD FRGS

Lecturer in Applied Spatial Analysis, Department of Geography, Harokopio University of Athens, El. Venizelou 70, Kallithea - Athens, 176 71, Greece, Tel. +30 210 9549163, Email: skalo@hua.gr; Personal Web page: www.gisc.gr

Research Interests

Dr Kalogirou's research interests include quantitative geography methods and applications, especially spatial data analysis, geocomputation and population studies. The research questions he is looking at include applied research for informed policy making decisions. The latter refers to the application of quantitative methods in order to perform exploratory and explanatory analysis of geographic data representing various phenomena with a geographical dimension. The main methods applied include spatial interaction models, spatial autocorrelation, geographically weighted regression, population projections and area classification.

Dr Kalogirou has done research on land suitability evaluation using an expert system and geographical information systems (GIS) platform he developed. In recent years, he looks at internal migration modelling and population ageing related issues, spatial inequalities in socioeconomic conditions, and population projections. At the computer science front, he has done some work on designing user-friendly working environments (user-interfaces) and websites. He follows the recent developments of quantitative methods and educational technologies, especially e-learning technologies, hoping to do some related basic research in the future.

Dr Kalogirou has recently joined the newly formed Atmospheric and Climate Dynamics Research Group in the Department of Geography, Harokopio University of Athens, in order to get involved in research related to the impacts of climate on human activities and the renewable energy.

Academic Qualifications

- Ph.D. in Geography, 2004, *The statistical analysis and modelling of internal migration flows within England and Wales*, School of Geography, Politics and Sociology, University of Newcastle Upon Tyne, UK
- M.Sc. in Geographical Information Systems, 2001, *Spatial distribution of ethnic and age groups, residential mobility and trends in population movement in the Leicester district*, Department of Geography University of Leicester, UK
- B.Sc. in Informatics, 1998, *Intelligent Geographical Information Systems*, Department of Informatics, School of Sciences, Aristotle University of Thessaloniki, Greece

Academic and other employment

2009 – to date Lecturer of Applied Spatial Analysis, Harokopio University, Athens, Greece
 2010 – to date Teaching at the MSc in Applied Statistics, University of Piraeus, Piraeus, Greece
 2007 – 2009 Temporary Lecturer (PD 407/80) Geocomputation, Harokopio University, Athens, Greece
 2008 – 2009 Postdoctoral Fellow (Cultural Landscapes), Harokopio University, Athens, Greece
 2006 – 2007 Postdoctoral Fellow (Geodemographics), GeoInformation S.A., Greece
 2005 Postdoctoral Researcher, Geoinformatics, Department of Infrastructure, Royal Institute of Technology (KTH), Stockholm, Sweden
 2004 – 2006 Research Fellow (Population projections), Department of Social Policy, London School of Economics, UK
 2004 Postdoctoral Researcher, Department of Geography, Ritsumeikan University, Kyoto, Japan
 2003 – 2004 Research Fellow (Intergenerational relationships), Centre for Population Studies, London School of Hygiene & Tropical Medicine, UK
 2004 – 2005 Postdoctoral Fellow, National Centre for Geocomputation, Ireland
 2000 – 2003 Teaching Assistant, GIS R&D Analyst, School of Geography, Politics and Sociology, University of Newcastle Upon Tyne, UK
 1996 – 1999 Programmer, Gnomon Informatics S.A., Thessaloniki, Greece
 1998 – 1999 GIS R&D Analyst, TRIAS Consultants S.A., GIS Department, Thessaloniki, Greece

Participation in Research Grants

Project Title	Project Relation/ Funding Body
● Spatial inequalities of income, development and poverty in Greece (Principal Investigator)	I. Latsis Benefit Foundation
● INCA - Linking civil protection and planning by agreement on objectives	Policy Related - European Union
● ESPON ReRisk - Regions at Risk of Energy Poverty	Policy Related - European Union
● Contemporary Greek Cultural Landscapes: An Aerial Atlas	I. Latsis Benefit Foundation
● The Development of a Geodemographic System for Greece	Research, GSRT, Greece
● Future Elderly Living Conditions in Europe (FELICIE)	Policy Related - European Union
● <i>Migration interrégionale en Europe</i> (MIRE)	Policy Related - European Union
● Development of a Migration Model, ODPM	Policy Related, UK Government

Main academic awards

2008 - 2009 Postdoctoral Fellowship, I. Latsis Public Benefit Foundation, Greece
 2005 Guest Scholarship, Swedish Institute, Sweden
 2004 FY2004 JSPS Postdoctoral Fellowship (Short-term), Japan Society for the Promotion of Science, Japan
 2002 Summer School at the University of Toronto at Scarborough, GEOIDE Canada, Canada
 2000-2003 Ph.D. Departmental Studentship, University of Newcastle Upon Tyne, UK
 1999-2000 M.Sc. Studentship, Alexander S. Onassis Public Benefit Foundation, Greece
 1994 High Marks Award, Greek State Scholarships Foundation, Greece

Publications in refereed Journals

1. Katsafados, P., Kalogirou, S., Papadopoulos, A., Korres, G., 2012, Mapping long-term atmospheric variables over Greece, *Journal of Maps*, DOI:10.1080/17445647.2012.694273.
2. Kalogirou, S., 2011, Testing local versions of correlation coefficients, *Review of Regional Research - Jahrbuch für Regionalwissenschaft*, 32, 1, pp. 45 – 61, DOI: 10.1007/s10037-011-0061-y
3. Tsimbos, C., Kotsifakis, G., Verropoulou, G., and Kalogirou, S., 2011, Life expectancy in Greece 1991-2007: regional variations and spatial clustering, *Journal of Maps*, v2011, pp. 280-290. 10.4113/jom.2011.1188.
4. Kostopoulou, S., and Kalogirou, S., 2011, The spatial economic impact of cultural events, *International Journal of Sustainable Development*, 14, 3/4, pp. 309 – 331.
5. Kalogirou, S., 2010, Spatial inequalities in income and post-graduate educational attainment in Greece, *Journal of Maps*, v2010, 393-400. 10.4113/jom.2010.1095
6. Kalogirou, S., and Hatzichristos, T., 2007, A spatial modelling framework for income estimation, *Spatial Economic Analysis*, 2, 3, p. 297-316. DOI: 10.1080/17421770701576921
7. Murphy, M., Grundy, E., and Kalogirou, S., 2007, The increase in marital status differences in mortality up to the oldest age in seven European countries, 1990 – 99, *Population Studies*, 64, 3, pp. 287 – 298. DOI: 10.1080/00324720701524466
8. Gaymu, J., Delbés, C., Springer, S., Binet, A., Désesquelles, A., Kalogirou, S., and Ziegler, U., 2006, Determinants of the living arrangements of older people in Europe, *European Journal of Population*, 22, pp. 241-262.
9. Kalogirou, S. and Foley, R., 2006, Health, Place & Hanly: Modelling Accessibility to Hospitals in Ireland, *Irish Geography*, 39, 1, pp. 52 – 68.
10. Kalogirou, S., and Murphy, M., 2006, Marital status of people aged 75 and over in nine EU countries in the period 2000-2030, *European Journal of Ageing*, 3, pp. 74-81. (Cited by 1)
11. Tomassini, C., Grundy, E., Kalogirou, S., Gaymu, J., Binet, A., Martikainen, P., and Karisto, A., 2005, Rencontres entre parents âgés et enfants: quelles différences en Europe?, *Retraite et Société*, 46, pp 10 – 27. (In French)
12. Kalogirou, S., 2005, Examining and Presenting Trends of Internal Migration Flows within England and Wales, *Population, Space and Place*, 11, 4, pp. 283-297. (Cited by 1)
13. Young, H., Grundy, E., and Kalogirou, S., 2005, Who Cares? Geographical Variation in Informal Caregiving in England and Wales: evidence from the 2001 Census, *Population Trends*, 120, pp. 23-34. (Cited by 3)
14. Tomassini, C., Kalogirou, S., Grundy, E., Fokkema, T., Martikainen, P., Broese van Groenou, M., Karisto, A., 2004, Contacts between elderly parents and their children in four European countries: current patterns and future prospects, *European Journal of Ageing*, 1, pp. 54-63. (Cited by 12)
15. Fotheringham, A.S., Rees, P., Champion, T., Kalogirou, S., and Tremayne, A.R., 2004, The Development of a Migration Model for England and Wales: Overview and Modelling Out-migration, *Environment and Planning A*, 36, pp. 1633 – 1672. (Cited by 6)
16. Kalogirou, S., 2002, Expert systems and GIS: an application of land suitability evaluation, *Computers, Environment and Urban Systems*, 26 (2-3), pp. 89-112. (CEUS TOP25 Hottest Articles) (Cited by 27)

Publications in peer reviewed conference proceedings

1. Anastasiou, E., and Kalogirou, S., The relationship between the public spending of the regional services of the ministries and the development in Greek Prefectures, 10th National Conference of the Greek Section of the European Regional Science Association on "Economic crisis and political development and cohesion", Aristotle University of Thessaloniki - University of Macedonia, Thessaloniki, 1 - 2 June 2012 (in Greek).
2. Kalogirou, S., Tragaki, A., and Tsimbos, C., Spatial inequalities of human development in Greece, 10th National Conference of the Greek Section of the European Regional Science Association on "Economic crisis and political development and cohesion", Aristotle University of Thessaloniki - University of Macedonia, Thessaloniki, 1 - 2 June 2012 (in Greek).
3. Anastasiou, E., and Kalogirou, S., Spatial inequalities in the public spending of the regional services of the ministries in Greece, 7th Panhellenic conference of HellasGIs, National Technical University of Athens, Greece, 17 – 18 May 2012 (in Greek).

4. Chalkias, C., Kalogirou, S., Ferentinou, M. (2011) Global and local statistical modeling for landslide susceptibility assessment. A comparative analysis. Proceedings of the 17th European Colloquium on Quantitative and Theoretical Geography, Harokopio University, Athens, Greece, 2-5 September 2011, Edited by S. Kalogirou, pp. 88-97, ISBN: 978-960-87751-1-4.
5. Ioannou, A., Lazaridi, K., and Kalogirou, S., Spatial analysis of the recyclable municipal solid waste in Greece, 9th Pan-Hellenic Geographical Conference, Athens, Greece, 5-7 November 2010, pp. 204 – 212. ISBN 978-960-86526-5-1 (in Greek).
6. Kalogirou, S., Giaoutzi, M., and Biska, A., Classification of European Regions based on the risk for energy poverty, 9th Pan-Hellenic Geographical Conference, Athens, Greece, 5-7 November 2010, pp. 697 – 704. ISBN 978-960-86526-5-1 (in Greek).
7. Markopoulou, D. and Kalogirou, S., Spatial inequalities of the number of students in primary education for the counties in Greece and its relationship with socioeconomic and demographic determinants, 9th Pan-Hellenic Geographical Conference, Athens, Greece, 5-7 November 2010, pp. 729 – 736. ISBN 978-960-86526-5-1 (in Greek).
8. Ioannou, T., Lazaridi, K., and Kalogirou, S., *Spatial analysis of the recyclable municipal solid waste*, Proceedings of the 7th International ORBIT 2010 Conference, Heraklion, Crete, June 29 - July 3, 2010, pp. 834 – 841. ISBN 978-960-6865-28-2
9. Tsimbos, K., Kalogirou, S., Tsimbanos, A., *The investigation of spatial differentiations in the effect of socioeconomic determinants in fertility in Greece at the Local Authority geographical level using Geographically Weighted Regression*, 23rd Pan-Hellenic Statistical Conference: «Statistics and the Internet», Veroia, Greece, 7-11 April 2010 (in Greek).
10. Hadjimichalis, C., Kalogirou, S., Melissourgos, Y., Gkirti, D. and MOUNGOLIA, A., 2010, *Production and of formation of contemporary Greek landscape: an alternative approach based on aerial photographs*, Proceedings of the 1st meeting of the project In Search of Contemporary Greek Landscape, Med-INA - Agricultural University of Athens - WWF Hellas, 21-22 May 2009 (Ed.) I. Papagiannis and A. Sorotos Athens: Med-INA, pp. 87-96. ISBN 978-960-89972-1-9 (in Greek).
11. Katsafados, P., Kalogirou, S., Papadopoulos, A., Mavromatides, E., *Cartographic representation of climate spatial variability in Greece*, 9th Pan-Hellenic Symposium of Oceanography and Fisheries, Patra, Greece, 13 – 16 May 2009.
12. Chalkias, C., Papadopoulos, A., Kalogirou, S., *Spatial Pattern Identification in rural areas in Greece: the case of Peloponnese*, Electronic Proceedings of the 5th Pan-Hellenic Conference of HellasG.I.s: “Geographical Information Systems in the Environment and Development”, National Technical University of Athens, Athens, Greece, 4-5 December 2008. (in Greek)
13. Kalogirou, S., *Applying spatial analysis and contemporary cartography methods in presenting demographic phenomena*, Proceedings of the 8th Pan-Hellenic Geographical Conference, Athens, Greece, 4-7 October 2007, Volume III, pp. 433-441. ISBN 978-960-86526-4-4 (in Greek).
14. Kalogirou, S., *The geography of the oldest old at the edges of Europe*, 15th European Colloquium on Quantitative and Theoretical Geography, Conference Proceedings, Montreux, Switzerland, 7-11 September 2007. ISBN 978-2-940368-05-1
15. Chalkias, C., and Kalogirou, S., *Estimating Light Pollution in Suburban Areas with complex Topography*, Proceedings of the 9th International Conference on Geocomputation, National Centre for Geocomputation, National University of Ireland, Maynooth, 3-5 September 2007.
16. Kalogirou, S. and Foley, R., *Spatial Trends of unpaid caregiving in Ireland*, GISRUK 2007, National Centre for Geocomputation, National University of Ireland, Maynooth, Ireland, 11-13 April 2007. ISBN 0 901519 86 3
17. Kalogirou, S., *Applications of spatial analysis and contemporary methods of cartography in the presentation of demographic phenomena*, 8th Pan-Hellenic Geographical Congress, Athens, 4-7 October 2007. (in Greek)
18. Kalogirou, S., 2004, Spatial Analysis and local statistics for the elderly in Greece , Proceedings of the 7th Pan-Hellenic Geographical Congress, Volume II, pp. 299-306. ISBN 960-7475-31-3 (in Greek)
19. Kalogirou, S., and Mostratos, N., 2004, Geographical Access to Health: modelling population access to Greek public hospitals, Proceedings of the 7th Pan-Hellenic Geographical Congress, Mytilene, 14-17 October 2004, Volume II, pp. 431- 437. ISBN 960-7475-31-3
20. Kalogirou, S., and Fotheringham, A.S., 2002, Modelling Out-Migration Rates in England and Wales: Global and Local Models of Males aged 30-44, *Proceedings of the 6th Pan-Hellenic Geographical Congress*, Thessaloniki, 3-6 October 2002, Volume I, pp. 439-446.

Papers in National Journals (peer-reviewed)

1. Kalogirou, S., 2012, Spatial Inequalities and income estimation in Greece, *Aeihoros*, 15, pp. 68 – 101. (in Greek)
2. Kalogirou, S., Giaoutzi, M., and Biska, A., 2011, Classification of European Regions based on the risk for energy poverty, *Regional Science Texts*, II (1), pp. 77 – 85. (in Greek)
3. Kalogirou, S., 2010, Spatial Inequalities of postgraduate degree holders in Greece, *Geoanalekta*, Greece, Issue 4, pp. 30 – 31. (in Greek)

4. Kalogirou, S., 2010, The application of contemporary spatial analysis methods in internal migration: the case of Sweden, *Geographies, Greece* (in press). (in Greek)
5. Kalogirou, S., and Katsafados, P., 2008, The role of climate in internal migration decisions, *Geoanalekta, Greece*, Issue 4, pp. 21 – 23. (in Greek)
6. Katsafados, P., Kalogirou, S., and Papadopoulos, A., 2008, Representation of climate spatial variability in Greece, *Geoanalekta, Greece*, Issue, pp. 24 – 25. (in Greek)
7. Tomassini, C., Grundy, E., Kalogirou, S., Gaymu, J., Binet, A., Martikainen, P., and Karisto, A., 2005, *Rencontres entre parents âgés et enfants: quelles différences en Europe?*, *Retraite et Société, France*, Issue 46, pp. 10 – 27. (in French)
8. Young, H., Grundy, E., and Kalogirou, S., 2005, Who Cares? Geographical Variation in Informal Caregiving in England and Wales: evidence from the 2001 Census, *Population Trends, UK*, Issue 120, pp. 23–34.

Books (Co-author - Editor)

1. Kalogirou, S., Chalkias, C., Smith, M.J., *Journal of Maps Special Issue Editors: Mapping Environmental Risks - Quantitative and Spatial modeling approaches* (2012-2013)
2. Kalogirou, S., 2011, *Proceedings of the 17th European Colloquium on Quantitative and Theoretical Geography*, Athens, Greece, 2-5/9/2011. ISBN: 978-960-87751-1-4.
3. Kalogirou, S., 2011, *Book of Abstracts of the 17th European Colloquium on Quantitative and Theoretical Geography*, Athens, Greece, 2-5/9/2011. ISBN: 978-960-87751-2-1.
4. Fotheringham, A.S., Barmby, T., Brunson, C., Champion, T., Charlton, M., Kalogirou, S., Tremayne, A., Rees, P., Eyre, H., Macgill, J., Stillwell, J., Bramley, G., and Hollis, J., 2002, *Development of a Migration Model: Analytical and Practical Enhancements*, (London: Office of the Deputy Prime Minister) ISBN 1 85112 583 3.

Book Chapters

1. C. Tomassini, E. Grundy, S. Kalogirou, 2008, Chapter 3: Potential family support for older people 2000-2030, In *Future Living Conditions in Europe* (eds) J. Gaymu, P. Festy, M. Poulain, G. Beets, Paris: INED, pp. 71 – 98. ISBN 978-2-7332-0163-3

Other publications

Dr Kalogirou has been a co-author in several scientific reports. He has presented papers in more than fifty conferences and has review several papers in conferences and journals.

Professional affiliations

European Population Society, Hellenic Society for Demographic Studies, International Union for the Scientific Study of Population (IUSSP), Hellenic Society of Swedish Scholars (Board Chair), Royal Geographic Society (with the Institute of British Geographers), Regional Science Association International (also ERSA Greek Section), British Society for Population Studies, Alexander S. Onassis Public Benefit Foundation Scholars' Association, International Geographical Union Study Group, Geographical Society of Ireland, Hellas G.I.s, Hellenic Geographical Association, Several Alumni Associations

University Teaching Experience

Dr Kalogirou teaches in university departments and seminars continuously since the year 2000. The subjects he has taught or being teaching include: Statistics for Epidemiology and Public Health, Quantitative Methods, Spatial Analysis, Object Oriented Programming (postgraduate); Introduction to Geographical Practice, Quantitative Analysis (Statistics), Geographical Information Systems and Science; Applied Geographical Information Science; Applied Spatial Analysis (postgraduate); Introduction to Informatics; Geocomputation Applications Development; Statistics for Geographers; Applications of Spatial Analysis in Real Estate; and Social Statistics (postgraduate).

Techniques acquisition - IT Skills

Hardware: PCs, PC Networks; Software: GIS, Multimedia, Statistics, Databases, Programming, Web Sites Development (CMS)

Transferable skills

Conference chairing, scientific committees' member, newsletter editor, academic journal referee,

Other

Languages: English (Excellent), German, Italian (Basic)
 Hobbies: travelling, photography (www.photoarchive.ie).