

Dr Sotirios Koukoulas

Associate Professor of GIS
Dept. of Geography
University of the Aegean

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Education

- **King's College London** Dept. of Geography
PhD in Geography
 - PhD Thesis on: *Analysing the spatial structure of semi-natural deciduous woodlands through high resolution airborne imagery and Geographical Information Systems*
- **Lancaster University** Dept. of Mathematics and Statistics
MSc in Statistics
 - Key Courses: Likelihood Inference, Bayesian Inference, Computationally intensive methods, Generalised Linear Models, Spatial Epidemiology, Model Based Geostatistics, Stochastic Processes, Extremes
 - Thesis on Spatial dependence in extreme water level heights
- **University of the Aegean** Dept. of Environment
BSc in Environmental Sciences
 - Key Courses: Terrestrial Ecosystems, Aquatic Ecosystems, Environmental Engineering, Geographic Information Systems, Photogrammetry and Remote Sensing, Spatial Environmental Planning, Environmental Chemistry
 - Thesis on Remote Sensing, Land cover mapping using Landsat TM images: Assessing the productivity of Olive groves

Work Experience

- **Dept. of Geography** University of the Aegean
Associate Professor of GIS
May 2016 - Present
- **Dept. of Geography** University of the Aegean
Assistant Professor of GIS
May 2007 - May 2016
- **Dept. of Geography** University of the Aegean
Lecturer of GIS
Feb 2002- May 2007
- **Dept. of Geography** University College Cork, Ireland
Hourly paid Lecturer (Remote Sensing)
Sep. 2001 - Jan. 2002
- **Coastal and Marine Research center** University College Cork, Ireland
Postdoctoral Research Fellow
Jan. 2001 - Jan. 2002
 - GIS and Environmental modelling project
 - Development of a GIS model for the location of landfill sites (INTERREG II)
- 1994 - 1996: National (Military) Service
- **Department of Environment** University of the Aegean
Research Assistant
1992 - 1994
 - Olive Trees - Primary Sector and Environment in mountainous Greece; the potential of Landsat-5 imagery to estimate the coverage of Olive trees with different productivity was investigated for a number of islands and regions. Four publications were produced with my contribution during this period
 - Development of a GIS model for the location of landfill sites (INTERREG II)
- **Dept. of Programming and Development** Lesvos County (Greece)
GIS Analyst
1993 - 1994
 - Designing a spatial database of Lesvos Prefecture (GEO-LESVOS V1.0). During my employment, I taught in two seminars for G.I.S., run by Lesvos County

Teaching

- Undergraduate Teaching:
 - Introduction to Geographical Information Systems
 - Applied GIS
 - Introduction to Remote Sensing until 2017
 - Spatial Statistics (2006)
 - Special Topics in GIS (until 2015)
- Postgraduate Teaching/Supervision:
 - Special Topics in Geoinformatics
 - Remote Sensing and Digital Image Processing
 - Introduction to Applied Geoinformatics, (2009-2015)
 - Spatial Analysis (until 2008)
 - Special Topics in GIS (until 2015)
 - Geographical Information Systems (MSc in Tourism, Dept. of Business Administration)(until 2015)
 - Methods and Techniques in Environmental Research - Distance based, Open University of Cyprus, (2013-14)
 - Supervision of undergraduate and MSc theses
 - Participation in two PhD advising committees
 - Completed PhDs: Dr Gounaridis Dimitrios on Multi-scale modelling of land cover/land use (LCLU) change with Geoinformatics and scenario-based simulations
- Administrative duties:
 - Associate Director of MSc program in Applied Geoinformatics
 - PhD studies coordinator, 2015-2016
 - Member of the Erasmus, Informatics and Library committees (until 2008)

Research Interests

G.I.S. and Remote Sensing, Spatial Statistics, Spatial Environmental Modelling, and Visualization techniques.

Applied research: Environmental Change, Land cover/use change, Landscape dynamics, Coastal dynamics, Environmental Decision Support, Environmental Planning.

Research Funding (as PI or Co-PI)

2008-2011, 18 months: ClimateCost, Full costs of climate change, 7TH FRAMEWORK PROGRAMME, GLOBAL CHANGE AND ECOSYSTEM (with N. Vafeidis).

2007-2011, 18 months: CIRCE: Climate Change and Impact Research: the Mediterranean Environment, 6TH FRAMEWORK PROGRAMME, PRIORITY 1.1.6.3, GLOBAL CHANGE AND ECOSYSTEM, RL11, WP10.6 (with N. Vafeidis)

2005-2008, 36 months: MONITORING LAND USE CHANGE, Marie Curie Outgoing International Fellowships (OIF), Programme: Structuring the European Research Area - Call identifier: FP6-2002 Mobility-6.

2006-2007, 24 months: Monitoring and modelling land use/land cover change in coastal areas using Remote Sensing and GIS, Call identifier: Pythagoras II- Supporting research groups in Universities, Special Service on management of the operational programme for education and employment (EPEAEK II), Ministry of National Education and Religious Affairs, Greece.

Publications

REFEREED ARTICLES IN JOURNALS

- Gounaridis D., Choriantopoulos I., Symeonakis E., and **S. Koukoulas**, 2019. A Random Forest-Cellular Automata modelling approach to explore future land use/cover change in Attica (Greece), under different socio-economic realities and scales. *Science of the Total Environment*. Vol. 646, pp. 320–335 [IF 2017: 4.610]
- Gounaridis D., Symeonakis E., Choriantopoulos I., and **S. Koukoulas**, 2018. Incorporating Density in Spatiotemporal Land Use/Cover Change Patterns: The Case of Attica, Greece. *Remote Sensing*,10(7),1034; doi:10.3390/rs10071034 [IF 2017: 3.406]
- Gounaridis D., Choriantopoulos I., and **S. Koukoulas**, 2018. Exploring prospective urban growth trends under different economic outlooks and land-use planning scenarios: The case of Athens. *Applied Geography*. 90. pp. 134–144 [IF 2017: 3.117]
- Dimitrakopoulos P. G., **S. Koukoulas**, A. Galanidis, P. Delipetrou, D. Gounaridis, K. Touloumi, and M. Arianoutsou. 2017. Factors shaping alien plant species richness spatial patterns across Natura 2000 Special Areas of Conservation in Greece. *Science of the Total Environment*. 601–602. pp. 461–468 [IF 2015: 3.976]
- Symeonakis E., P. Caccetta, J. Wallace, E. Arnau, A. Calvo and **S. Koukoulas**, 2017. Multi-temporal Forest Cover Change and Forest Density trend detection in a Mediterranean environment. *Land Degradation and Development*. 28. pp. 1188-1198 [IF 2015: 8.145]
- Gounaridis D., A. Apostolou and **S. Koukoulas**, 2016. Land Cover mapping of Greece: a semi-automated classification approach based on Landsat data and Random Forests. *Journal of Maps*, 12(5), pp.1055-1062 [IF 2015:1.435]
- Gounaridis D. and **S. Koukoulas**, 2016. Urban land cover thematic disaggregation, employing datasets from multiple sources and RandomForests modeling. *International Journal of Applied Earth Observation and Geoinformation*. 51, pp.1-10 [IF 2014: 3.470]
- Gounaridis D., A. Apostolou, M. Riga, P. Moustos, K. Mpika, D. Kontou and **S. Koukoulas**, 2016. Change detection of forests and semi-natural areas in Greece for the period 1990-2010. *Aegean Journal of Environmental Sciences (AEJES)*.
- Symeonakis E., N. Karathanasis, **S. Koukoulas** and G. Panagopoulos, 2016. Monitoring Sensitivity to Land Degradation and Desertification with the ESAI Methodology: the Case of Lesbos Island. *Land Degradation and Development*, 27(6), pp 1562-1573 [IF 2015: 8.145]
- Gounaridis D., G.N. Zaimis and **S. Koukoulas**, 2014. Quantifying spatio-temporal patterns of forest fragmentation in Hymettus Mountain, Greece. *Computers, Environment and Urban Systems*, 46, pp. 35-44. [IF 2012:1.674]
- Choriantopoulos I., G. Tsilimigkas, **S. Koukoulas** and T. Balatsos, 2014. The shift to competitiveness and a new phase of sprawl in the Mediterranean city: Enterprises guiding growth in Messoghia - Athens. *Cities*, 39, pp.133-143 [IF 2012:1.2]
- Jones N., **S. Koukoulas**, J.R.A. Clark, I.K. Evangelinos, and P.G. Dimitrakopoulos, 2014. Social capital and citizens' perceptions of proposed coastal management zone policies for tackling climate change impacts in Greece. *Regional Environmental Change*,14(3), pp. 1083-1093. [IF 2012:1.945]
- Gkoltsiou A., T. Terkenli, and **S. Koukoulas**, 2013. Landscape indicators for the evaluation of tourist landscape structure. *International Journal of Sustainable Development and World Ecology*, 20(5), pp. 461-475. [IF 2012:1.213]

- Koerth J., N. Jones, A.T. Vafeidis, P. Dimitrakopoulos, A. Melliou, E. Chatzidimitriou and **S. Koukoulas**, 2013. Household adaptation and adaptation intention to coastal flooding in the Axios Loudias Aliakmonas National Park. *Ocean and Coastal Management*. 82, pp. 43-50. [IF 2012:1.597]
- Eastoe, E., **S. Koukoulas**, and P. Jonathan, 2013. Statistical measures of extremal dependence illustrated using measured sea surface elevations from a neighbourhood of coastal locations. *Ocean Engineering*. 62, pp. 6877. [IF 2012:1.161]
- Symeonakis E., P. Caccetta, **S. Koukoulas**, S. Furby, N. Karathanasis, 2012. Multi-temporal land cover classification and change analysis with Conditional Probability Networks: the case of Lesvos Island (Greece). *International Journal of Remote Sensing*. 33(13), pp. 4075-4093. [IF 2011:1.117]
- Rapaglia J., **S. Koukoulas**, L. Zaggia, M. Lichter, G. Manfe and A. Vafeidis, 2012. Quantification of Submarine Groundwater Discharge and Optimal Radium Sampling Distribution in the Lesina Lagoon, Italy. *Journal of Marine Systems*. 91(1), pp. 11-19. [IF 2011:2.126]
- Arianoutsou M., **S. Koukoulas**, and D. Kazanis, 2011. Evaluating post-fire resilience using GIS and multicriteria analysis: an example from Cape Sounion National Park, Greece. *Environmental Management*. 47 (3), pp. 384-397. [IF 2011:1.744]
- Choriantopoulos I, Pagonis A, **Koukoulas S.** and Drymoniti S. 2010. Assessing the impact of urban competitiveness on sprawl: the case of Olympic Athens, *Cities*, Volume 27, Issue 4, pp 249-259. [IF:1.143]
- Dawson RJ, Dickson ME, Nicholls RJ, Hall JW, Walkden MJA, Stansby P, Mokrech M, Richards J, Zhou J, Milligan J, Jordan A, Pearson S, Rees J, Bates P, **Koukoulas S**, Watkinson A., 2009. Integrated analysis of risks of coastal flooding and cliff erosion under scenarios of long term change. *Climatic Change* 3:89-102 [IF:3.385] * **This paper won the 2012 Lloyds Science of Risk prize.** See the Lloyds press release, and the CESER release.
- Brown I., Jude S.R., **Koukoulas S.**, Nicholls R., Dickson M. and Walkden, M. 2006. Dynamic Simulation and Visualisation of Coastal Erosion. *Computers, Environment and Urban Systems* 30 (6), pp. 840-860. [IF:1.795]
- **Koukoulas, S.** and Blackburn G.A., 2005. Spatial relationships between tree species and gap characteristics within broadleaved deciduous woodland. *Journal of Vegetation Science*, 16, pp. 587-596. [IF:2.77]
- **Koukoulas, S.** and Blackburn, G.A., 2005. Mapping individual tree location, height and species in broadleaved deciduous forest using airborne LiDAR and multi-spectral remotely sensed data. *International Journal of Remote Sensing*, Vol. 26, No. 3, pp 431-455. [IF:1.117]
- **Koukoulas, S.** and Blackburn, G.A., 2004. Quantifying the spatial properties of forest canopy gaps using LiDAR imagery and GIS, *International Journal of Remote Sensing*, Vol. 25, No. 15, pp. 3049-3071. [IF:1.117]
- Costa C.N., A. Allen, M.G. Brito, P.S. Caetano, V. Cummins, J. Donnelly, **S. Koukoulas**, V. O'Donnell, C. Robalo, D. Vendas, 2003. GIS model for landfill site selection (Model SIG para seleccao de locais para aterros de residuos), *Finisterra: Portuguese Journal of Geography*, XXXVIII, 75, pp 85-99. (In Portuguese)
- **Koukoulas S.** and Blackburn, G.A., 2001. Introducing new indices for accuracy evaluation of classified images representing semi-natural woodland environments, *Photogrammetric Engineering and Remote Sensing*, Vol. 67, No. 4, pp. 499-511. [IF:0.926]

- Loumou A., Ch. Giourga, P. Dimitrakopoulos and **S. Koukoulas**, 2000. Tourism Contribution to Agro-Ecosystems Conservation; The Case of Lesbos Island, Greece. *Environmental Management*, Vol. 26, No. 4, pp. 363-370. [IF:1.744]

BOOK CHAPTERS

- Jude S., Mokrech M, Walkden J, Thomas S, **Koukoulas S.**, (2015) Visualising potential coastal change: communicating results using visualisation techniques. In: Nicholls RJ, Dawson RJ, Day SA (eds) *Broad Scale Coastal Simulation*. Springer, in press.
- Mokrech M., R.J. Nicholls, S. Day, R.J. Dawson, Jude S., and **S. Koukoulas**, (2015). The Coastal Simulator Interface. In: Nicholls RJ, Dawson RJ, Day SA (eds) *Broad Scale Coastal Simulation*. Springer, in press.
- Brown I., Jude S, **Koukoulas S.**, Nicholls R., Dickson M, Walkden M, (2007) Using Virtual Reality to Simulate Future Coastal Erosion: A Participative Decision Tool? In A. Lovett and K. Appleton (eds.) *Environmental Decision Making and GIS*. London, Series: Innovations in GIS, Volume: 12, Taylor and Francis, 288 pages.
- Jude, S.R., Brown, I., **Koukoulas, S.**, Dickson, M., Walkden, M., Jones, A.P. and Watkinson, A. (2005) Exploring Future Coastlines Initial Steps Towards the Development of an Integrated Coastal Simulation and Visualisation System. p.69-76. In Buhmann, E., Paar, P., Bishop, I.J. and Lange, E. (eds.) *Trends in Real-Time Landscape Visualization and Participation*. Herbert Wichmann Verlag. Heidelberg. 361pp. ISBN: 3-87907-429-1.
- **Koukoulas S.**, Geographical Information Systems, in Margaris N.S, (ed), *Agriculture and Environment*, Philippoti Pub. Series: Human -Nature 6, pp. 117-120, Athens, 1997. (In Greek)
- Giourga Ch., A. Loumou, N.S. Margaris, M.Theodorakakis and **S. Koukoulas**, Olive trees of the Aegean, in Rokos D. (ed) *Environment and Sciences at the end of the Century - Problems and Outlooks*, N.T.U Athens, K.E.M.DI.P.A, Enallaktikes Pub. ISBN: 960-427-024-9, 1994. (In Greek)

CONFERENCE PAPERS

- Panagopoulos G., Giannouloupoulos P. and **Koukoulas S.** Applying the DRASTIC index in Lesvos, 10th International Hydrogeological Congress, 8-10 October 2014, Thessaloniki, Greece
- Tsilimigkas G., Chorianopoulos I., **Koukoulas S.** and Balatsos T. Spatial Planning and Areas Competitiveness: Multitemporal diffusion of new business locations in Athens-Greece, Planning and Regional Development Conference, University of Thessaly, 24-27 September 2012, Volos, Greece.
- **Koukoulas S.**, Change detection under uncertainty: modelling the spatial variation of errors, International Archives of the Photogrammetry, Remote Sensing and Spatial Information Science, Volume XXXVIII, Part 8, Kyoto Japan 2010
- Pagonis T., Chorianopoulos I., and **Koukoulas S.** Urban Competitiveness and Sprawl as conflicting Planning Priorities: the Olympic legacy of Athens, Urban Design, Planning and Regional Development Conference, University of Thessaly, 24-27 September 2009, Volos, Greece.
- Symeonakis, E., Karathanasis, N., Panagopoulos, G. and **Koukoulas, S.**, 2009. A Sensitivity Index for Land Degradation and Desertification Mapping and Monitoring: the case of the island of Lesvos. In: Proceedings of the EARSeL Special Interest Group on Land Use and Land Cover Workshop, Bonn, Germany, 25 - 27 November. (Abstract)
- Pagonis T., Chorianopoulos I., **Koukoulas S.** and Drymoniti S., Urban Competitiveness and Sprawl as conflicting Planning Priorities: the Olympic legacy of Athens, Urban Growth without Sprawl - A way Towards Sustainable Urbanization, 44th ISOCARP Congress, 19-23 September 2008, Dalian, China.

- **Koukoulas S.**, A.T. Vafeidis, G. Vafeidis, The role of spatial metrics on the performance of an artificial neural-network based land-use change model, The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Vol. XXXVII. Part B7, XXI ISPRS Congress, Beijing 2008, pp.1661- 1666.
- Vafeidis A.T. ,G. Vafeidis, and **S. Koukoulas**, Comparative evaluation of Different characteristics of neural network-based models for forecasting land-use and land-cover change, International Conference on Studying, Modeling and Sense Making of Planet Earth , 16 June, 2008, Dept. of Geography, University of the Aegean, Mytilene, Greece.
- Vafeidis A.T. , **S. Koukoulas**, I. Gatsis , K. Gkoltsiou, Forecasting land-use changes with the use of neural networks and GIS, International Geoscience and Remote Sensing Symposium 2007 (IGARSS'07), Sensing and Understanding our Planet, 23-27 July 2007, Barcelona, Spain.
- Gatsis I., **S. Koukoulas**, A. Vafeidis, and K. Gkoltsiou, Monitoring and mapping of land cover/use changes in an agricultural and natural environment, using multitemporal satellite data and GIS (Lesvos island, Greece), CEST 2007 - 10th International Conference on Environmental Science and Technology, September 5th - 7th, 2007, Kos Island, Greece.
- **Koukoulas S.**, Gatsis I., A. Vafeidis, and K. Gkoltsiou, Analysing spatial patterns of land cover/use change derived from satellite remote sensing, 32nd International Symposium on Remote Sensing of Environment, Sustainable Development Through Global Earth Observations, Proceedings in CD-ROM, June 25 - 29, 2007. San Jose, Costa Rica.
- Symeonakis E., Peter A. Caccetta, Suzanne Furby, Jeremy F. Wallace, **S. Koukoulas**, Land Use/Cover Change detection in Lesbos island (Greece), 32nd International Symposium on Remote Sensing of Environment, Sustainable Development Through Global Earth Observations, Proceedings in CD-ROM, June 25 - 29, 2007. San Jose, Costa Rica.
- Gatsis I., **S. Koukoulas**, A. Vafeidis, Lagoudakis E., and K. Gkoltsiou, Monitoring and mapping of land cover/use changes in an agricultural and natural environment, using multitemporal satellite data and GIS (Lesvos island, Greece), RSPSoc Annual Conference, Understanding a Changing World, Proceedings in CD-ROM, Cambridge, UK, 5-8 Sep. 2006.
- Symeonakis E., P.A. Caccetta, J.F. Wallace, **S. Koukoulas**, Land use/cover change detection in the Spanish Mediterranean coast, ISPRS Mid-term Symposium 2006 "Remote Sensing: From Pixels to Processes" Enschede, the Netherlands, 8-11 May 2006.
- Gkoltsiou E., T. Terkenli, and **S. Koukoulas**, Identifying Changes in Tourist Coastal Landscapes Using Landscape Metrics, 42nd World Congress International Federation of Landscape Architects (IFLA), Proceedings in CD-ROM, Edinburgh, 26-29 June 2005.
- Nicholls R., I. Brown, R. Dawson, M. Dickson, J. Hall, **S. Koukoulas**, M. Mokrech, S. Pearson, J. Rees, J. Richards, P. Stansby, M. Walkden, A. Watkinson, J. Zhou, An Integrated Assessment of Erosion and Flooding in North-East Norfolk, England, Coasts and Coastal People- Scenarios of change and responses, LOICZ II Inaugural Open Science Meeting, Egmond aan Zee, Netherlands, 27-29 June 2005.
- **Koukoulas S.**, Nicholls R.J., Dickson M.E., Walkden M.J., Hall J.W., Pearson S.G., Mokrech, M. and Richards, J. 2005. A GIS tool for analysis and interpretation of coastal erosion model outputs (SCAPEGIS). Proceedings of Coastal Dynamics 2005, ASCE, New York.
- Brown I., S. Jude, **S. Koukoulas**, R. Nicholls, M. Dickson, M. Walkden, and A. Jones, Dynamic Simulation and Visualisation of Coastal Erosion: Past, Present and Future, GISRUK04, University of East Anglia, Norwich, 28-30 April 2004.

- Symeonakis E., **S. Koukoulas**, A. Calvo, and E. Arnau, A landuse change and land degradation study in Spain and Greece using Remote Sensing and GIS, International Archives of Photogrammetry and Remote Sensing, XXth International Society for Photogrammetry and Remote Sensing Congress, Istanbul, Turkey 12 - 23 July 2004.
- Allen, G. Brito, P. Caetano, C. Costa, V. Cummins, J. Donnelly, **S. Koukoulas**, V. O'Donnell, C. Robalo and D. Vendas. A Landfill Site Selection Procedure Incorporating GIS Modelling. Proceedings of Ninth International Waste Management and Landfill Symposium, Sardinia, Italy, October 6-10th, 2003.
- Allen, A. R, Brito, G., Caetano, P., Costa, C., Cummins, V.A, Donnelly, J., Fernandes, C., **Koukoulas, S.**, O'Donnell, V.A, Robalo, C.and Vendas, D. (2002) A GIS Model for the Location of Landfill Sites in Ireland and Portugal, In: Kocasoy, G., Atabarut, T., Nuhuoglu, I. (Eds), Appropriate Environmental and Solid Waste Management and Technologies for Developing Countries. Proceedings ISWA 2002 World Environmental Congress, Istanbul, Turkey, Bogazii niversity Press, Vol 4, 2393-2398.
- **Koukoulas S.** and Alan Blackburn, Extraction of tree locations, species and height using LIDAR and passive optical remote sensors, NERC ARSF Workshop, British Geological Survey, Keyworth, CD-ROM, 12-13 Dec 2000.
- **Koukoulas S.** and Alan Blackburn, Digital Image Processing techniques evaluation for the extraction of tree crown geometry, Proceedings of the 24th Annual Conference of the Remote Sensing Society, University of Greenwich, pp. 534-542, 8-11 Sep. 1998.
- **Koukoulas S.** and G.A. Blackburn, Monitoring Woodland Gap Dynamics Using High Resolution Imagery: But When Is a Gap Not a Gap? Proceedings of the 23rd Annual Conference of the Remote Sensing Society, University of Reading, pp. 147-152, 2-7 Sep. 1997.
- Hatzopoulos J.N, C. Giourga, **S. Koukoulas** and N. Margaris, Land Cover Classification of Olive Trees in the Greek Islands Using Landsat -TM Image, Proceedings of the ASPRS at the International Conference in Washington D.C., Vol. 4, pp. 492-498, August 2-7,1992.
- Gazis D.E.,**S. Koukoulas** and J.N. Hatzopoulos, Bathymetry Study of the NW. Part of the Greek Island of Lesbos Using Satellite Landsat TM Images, Proceedings of the 3rd Meeting of the Technical Committee of the General Council of Fisheries for the Mediterranean of F.A.O., Thessaloniki, Greece, October 7-11, 1991. (In Greek)

OTHER PAPERS

- Aulakh G.S. and **Koukoulas S.**, 1993, Finding new sites for golf courses using GIS, Mapping Awareness Vol. 7, No. 9, pp. 41-43.
- **S. Koukoulas**, 1995, Geographic Information Systems, Oikonomikos Tahydromos, p.53, 3 Aug. (In Greek)

Editorials

- *PLOS ONE* (Member of the Editorial board)
- *Remote Sensing* (Member of the Editorial board: Section Board for 'Environmental Remote Sensing')
- *Sustainability* (Member of the Editorial board: Section Board for 'Sustainable Use of the Environment and Resources')
- *Sci* (Member of the Advisory board)
- *CivilEng* (Member of the Editorial board)
- Special Issues edited:
 - *Remote Sensing*: Guest Editor for the special issue on "GIS and Remote Sensing advances in Land Change Science"
 - *Sustainability*: Guest Editor for the special issue on "GISc Contributions to the Study and Understanding of Geographies of Change"

Referee Service

Publons profile: Sotiris Koukoulas

Remote Sensing, International Journal of Remote Sensing, Photogrammetric Engineering and Remote Sensing, Remote Sensing of Environment, International Journal of Applied Earth Observation and Geoinformation, Sensors, Computers, Environment and Urban Systems, International Journal of Digital Earth, Earth Science Informatics, Journal of Vegetation Science, Journal of Environmental Management, Environmental Monitoring and Assessment, Energies, Annals of Forest Science, Sustainability, Climate Research, Landscape and Urban Planning, Land degradation and Development, Geoderma, Land, Land use Policy, Cities, Human and Ecological Risk Assessment: An International Journal, Polish Journal of Environmental Studies, Journal of Hazardous Materials, International Conference on Studying, Modeling and Sense Making of Planet Earth, 6th and 7th conference of the Hellenic Geographical Society, EPEAEK II, Pythagoras II call for research proposals, 2nd Conference of the Arabian Journal of GeoSciences (Scientific Committee), Living Planet Symposium (LPS19) Scientific Committee.

Skills

Languages: English, Greek and Spanish (basic)

Computer Languages: R, C++, Some Python and Shell Scripting, L^AT_EX

Computer and OS: Proficient in Ubuntu/OpenSuse Linux, Windows 7,8; Virtualization of Windows & Linux guests using Sun VirtualBox; H/W and S/W knowledge and troubleshooting techniques

Software: R; GRASS GIS 7.x; QGIS 2.xx; ArcGIS 10.x; Erdas Imagine; IDRISI; Office Suites