This article was downloaded by: [USGS Libraries Program]
On: 26 February 2014, At: 14:41
Publisher: Taylor & Francis
Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK

Cartography and Geographic Information Science
Publication details, including instructions for authors and subscription information:
http://www.tandfonline.com/loi/tcag20

Recent literature in cartography and geographic information science

Michael P. Finn & Diana Thunen
Published online: 13 Jan 2014.

To cite this article: Michael P. Finn & Diana Thunen (2014) Recent literature in cartography and geographic information science, Cartography and Geographic Information Science, 41:2, 179-192, DOI: 10.1080/15230406.2013.878099

To link to this article: http://dx.doi.org/10.1080/15230406.2013.878099

PLEASE SCROLL DOWN FOR ARTICLE

Taylor & Francis makes every effort to ensure the accuracy of all the information (the "Content") contained in the publications on our platform. However, Taylor & Francis, our agents, and our licensors make no representations or warranties whatsoever as to the accuracy, completeness, or suitability for any purpose of the Content. Any opinions and views expressed in this publication are the opinions and views of the authors, and are not the views of or endorsed by Taylor & Francis. The accuracy of the Content should not be relied upon and should be independently verified with primary sources of information. Taylor and Francis shall not be liable for any losses, actions, claims, proceedings, demands, costs, expenses, damages, and other liabilities whatsoever or howsoever caused arising directly or indirectly in connection with, in relation to or arising out of the use of the Content.

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden. Terms & Conditions of access and use can be found at http://www.tandfonline.com/page/terms-and-conditions

Cartography and Geographic Information Science, 2014
Vol. 41, No. 2, 179–192, http://dx.doi.org/10.1080/15230406.2013.878099

Taylor & Francis
Taylor & Francis Group

Recent literature in cartography and geographic information science

Michael P. Finn and Diana Thunen

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Atlases

Ayat, B., Y. Yuksel, and B. Aydogan. 2013. "Black Sea Wave Energy Atlas from 13 Years Hindcasted Wave Data." *Renewable Energy: An International Journal* 57: 436–447.

Brosnan, K. A. 2013. "Napa Valley Historical Ecology Atlas: Exploring a Hidden Landscape of Transformation and Resilience." *Environmental History* 18 (4): 796–798.

Faenza, L., and V. Lauciani. 2013. "The ShakeMap Atlas for the City of Naples, Italy." *Seismological Research Letters* 84 (6): 963–972.

Krishnan, N., and D. Morris. 2012. "Mapping Adaptation Opportunities and Activities in an Interactive Atlas." *AMBIO – A Journal of the Human Environment* 41: 90–99.

Schaffner, F. C. 2012. "Seabird Breeding Atlas of the Lesser Antilles." *The Auk* 129: 795–796.

Cartographers

Kraak, M.-J. 2013. "A Cartographer, Shaped by Context and Challenged by Classics." *The Cartographic Journal* 50 (2): 112–116.

Rajakovic, M., and I. Kljajic. 2013. "Hungarian and Croatian Cartographers | MaKarski i Hrvatski Kartografi." *Kartografija i Geoinformacije* 12 (19): 44–75.

Steensma, D. P., M. A. Shampo, and R. A. Kyle. 2013. "Michael Servetus: Unorthodox Theologian, Meticulous Cartographer, and Innovative Anatomist." *Mayo Clinic Proceedings* 88 (10): e119–e120.

Cartography

Ahamed, A. E. E. M. 2013. "Digital Topographic Mapping With Two Different Scales Using GPS And GIS On Adindan (Sudan) Datum." *International Journal Of Technology Enhancements And Emerging Engineering Research* 1 (1): 42–47.

Alcantara, C., T. Kuemmerle, M. Baumann, E. V. Bragina, P. Griffiths, P. Hostert, J. Knorn, et al. 2013. "Mapping the Extent of Abandoned Farmland in Central and Eastern Europe Using MODIS Time Series Satellite Data." *Environmental Research Letters* 8 (3): 035035. doi:10.1088/1748–9326/8/3/035035.

Aldwaik, S. Z., and R. G. Pontius Jr. 2013. "Map Errors That Could Account for Deviations from a Uniform Intensity of Land Change." *International Journal of Geographical Information Science* 27 (9): 1717–1739. doi:10.1080/13658816.2013.787618.

Aloysius, M., M. Mohan, and S. S. Prijith. 2013. "Global Aerosol Source/Sink Map." *Atmospheric Environment* 80: 533–539.

Arsanjani, J. J., M. Helbich, M. Bakillah, J. Hagenauer, and A. Zipf. 2013. "Toward Mapping Land-use Patterns from Volunteered Geographic Information." *International Journal of Geographical Information Science* 27 (12): 2264–2278.

Barbee, M. M. 2013. "Sea-level Rise Vulnerability Mapping for Adaptation Decisions Using LiDAR DEMs." *Progress in Physical Geography* 37 (6): 745–766.

Baroni, C., M. Bini, M. Coltorti, P. Fantozzi, G. Guidobaldi, D. Nannini, P. Pieruccini, A. Ribolini, and M. C. Salvatore. 2013. "Geomorphological Maps as a Key Approach for Enhancing the Natural and Cultural Heritage of the Apuan Alps Regional Park Area and Surroundings (Tuscany, Italy)." *Rendiconti Online Societa Geologica Italiana* 28: 10–14.

Becker, L. R., S. P. Patriarco, R. G. Marvinney, M. A. Thomas, S. B. Mabee, and E. S. Fratto. 2013. "Improving Seismic Hazard Assessment in New England through the Use of Surficial Geologic Maps and Expert Analysis." *Geological Society of America Special Papers* 493: 221–242.

Berriman, G., B. Routley, S. Clothier, J. L. Holdsworth, W. J. Belcher, X. J. Zhou, and P. C. Dastoor. 2013. "Development of a Multi-wavelength Photocurrent Mapping System." *Measurement Science and Technology* 24 (10): 105604. doi:10.1088/0957–0233/24/10/105604.

Boccardo, P. 2013. "New Perspectives in Emergency Mapping." *European Journal of Remote Sensing* 46: 571–582. doi:10.5721/EuJRS20134633.

Campbell, D. M. H., B. White, and P. A. Arp. 2013. "Modeling and Mapping Soil Resistance to Penetration and Rutting Using LiDAR-derived Digital Elevation Data." *Journal of Soil and Water Conservation* 68 (6): 460–473. doi:10.2489/jswc.68.6.460.

Carver, S., J. Tricker, and P. Landres. 2013. "Keeping It Wild: Mapping Wilderness Character in the United States." *Journal of Environmental Management* 131: 239–55. doi:10.1016/j.jenvman.2013.08.046.

Chambers, I. 2013. "A Cherokee Origin for the 'Catawba' Deerskin Map (c.1721)." *Imago Mundi: The International Journal for the History of Cartography* 65 (2): 207–216. doi:10.1080/03085694.2013.784564.

Christophe, S., and C. Hoarau. 2012. "Expressive Map Design Based on Pop Art: Revisit of Semiology of Graphics?" *Cartographic Perspectives* 73: 61–74.

Chung, J.-W., and J. D. Rogers. 2013. "Influence of Assumed Groundwater Depth on Mapping Liquefaction Potential." *Environmental & Engineering Geoscience* 19 (4): 377–389. doi:10.2113/gseegeosci.19.4.377.

Clark, R. 2013. "Overcoming the Momentum of Anachronism: American Geologic Mapping in a Twenty-first-century World." *Geological Society of America Special Papers* 502: 103–125. doi:10.1130/2013.2502(05).

© 2014 Cartography and Geographic Information Society

Falcone, J. A., and D. W. Wong. 2013. "Mapping Urban Land Uses in the United States by Census Zone Using Nationally Available Data." *Journal of Land Use Science* 8 (4): 466–488.

Feldhaus, J. J., and C. A. Copenheaver, and J. N. Barney. 2013. "Mapping and Management of the Non-native Japanese Spiraea at Buffalo Mountain Natural Area Preserve, Virginia, USA." *Natural Areas Journal* 33: 435–439.

Fourcy, D., and O. Lorvelec. 2013. "A New Digital Map of Limits of Oceans and Seas Consistent with High-Resolution Global Shorelines." *Journal of Coastal Research* (2): 471–477.

Fu, C.-K., and C.-M. Hsieh. 2013. "Evaluation of Locations for Small Wind Turbines in Costal Urban Areas Based on a Wind Energy Potential Map." *Environmental Modeling & Assessment* 18 (5): 593–604.

Goulas, D., A. Georgopoulos, A. Sarakenos, and Ch. Paraschou. 2013. "3D Mapping from High Resolution Satellite Images." *Proceeding of SPIE 8795, First International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2013)*, edited by D. G. Hadjimitsis, K. Themistocleous, S. Michaelides, and G. Papadavid, 879509. doi:10.1117/12.2028334.

Hammoudi, K., F. Dornaika, B. Soheilian, B. Vallet, J. McDonald, and N. Paparoditis. 2013. "A Synergistic Approach for Recovering Occlusion-Free Textured 3D Maps of Urban Facades from Heterogeneous Cartographic Data." *International Journal of Advanced Robotic Systems* 10 (316). doi:10.5772/56570.

Hesse, R. 2014. "Geomorphological Traces of Conflict in High-resolution Elevation Models." *Applied Geography* 46: 11–20. doi:10.1016/j.apgeog.2013.10.004.

Hildebrandt, K. A., and S. Hu. 2013. "Multimedia Mapping on the Internet and Language Documentation: New Directions in Interdisciplinarity." *Polymath: An Interdisciplinary Arts and Sciences Journal* 3 (3): 51–61.

Hove, T., E. Manyumbu, and G. Rukweza. 2014. "Developing an Improved Global Solar Radiation Map for Zimbabwe through Correlating Long-term Ground- and Satellite-based Monthly Clearness Index Values." *Renewable Energy* 63: 687–697.

Hwang, P. A., J. V. Toporkov, M. A. Sletten, and S. P. Menk. 2013. "Mapping Surface Currents and Waves with Interferometric Synthetic Aperture Radar in Coastal Waters: Observations of Wave Breaking in Swell-Dominant Conditions." *Journal of Physical Oceanography* 43 (3): 563–582.

Johnson, J. K. 2013. "40 Digital Map Collections: An Annotated Bibliography." Reference Reviews 27 (4): 4–11. doi:10.1108/09504121311319965.

Karachevtseva, I., J. Oberst, F. Scholten, A. Konopikhin, K. Shingareva, E. Cherepanova, E. Gusakova, et al. 2013. "Cartography of the Lunokhod-1 Landing Site and Traverse from LRO Image and Stereo-topographic Data." *Planetary and Space Science* 85: 175–187.

Karydas, C., M. Petriolis, and I. Manakos. 2013. "Evaluating Alternative Methods of Soil Erodibility Mapping in the Mediterranean Island of Crete." *Agriculture* 3 (3): 362–380. doi:10.3390/agriculture3030362.

Keane, R. E., J. M. Herynk, C. Toney, S. P. Urbanski, D. C. Lutes, and R. D. Ottmar. 2013. "Evaluating the Performance and Mapping of Three Fuel Classification Systems Using Forest Inventory and Analysis Surface Fuel Measurements." *Forest Ecology and Management* 305: 248–263. doi:10.1016/j.foreco.2013.06.001.

Kolden, C. A., and J. Rogan. 2013. "Mapping Wildfire Burn Severity in the Arctic Tundra from Downsampled MODIS Data." *Arctic, Antarctic, and Alpine Research* 45: 64–76.

Kuemmerle, T., K. Erb, P. Meyfroidt, D. Müller, P. H. Verburg, S. Estel, H. Haberl, et al. 2013. "Challenges and Opportunities in Mapping Land Use Intensity Globally." *Current Opinion in Environmental Sustainability* 5 (5): 484–493. doi:10.1016/j.cosust.2013.06.002.

Laakso, I., Y. Hiltunen, and M. Liukkonen. 2013. "Advanced Monitoring Platform for Industrial Wastewater Treatment: Multivariable Approach Using the Self-organizing Map." *Environmental Modelling & Software* 48: 193–201.

Liu, L., H. M. Song, and Q. S. Hu. 2013. "Design and Practice of Campus 'One-Map' Project Based on GIS." *Applied Mechanics and Materials* 411–414: 266–271.

Mashimbye, Z. E., W. P. de Clercq, and A. Van Niekerk. 2014. "An Evaluation of Digital Elevation Models (DEMs) for Delineating Land Components." *Geoderma* 213: 312–319. doi:10.1016/j.geoderma.2013.08.023.

McPhearson, T., P. Kremer, and Z. A. Hamstead. 2013. "Mapping Ecosystem Services in New York City: Applying a Social–Ecological Approach in Urban Vacant Land." *Ecosystem Services* 5: 11–26. doi:10.1016/j.ecoser.2013.06.005.

Mitchard, E. T., S. S. Saatchi, A. Baccini, G. P. Asner, S. J. Goetz, N. L. Harris, and S. Brown. 2013. "Uncertainty in the Spatial Distribution of Tropical Forest Biomass: A Comparison of Pan-tropical Maps." *Carbon Balance and Management* 8 (1): 10. doi:10.1186/1750–0680–8–10.

Moghaddam, M. K., F. Samadzadegan, Y. Noorollahi, M. A. Sharifi, and R. Itoi. 2014. "Spatial Analysis and Multi-criteria Decision Making for Regional-scale Geothermal Favorability Map." *Geothermics* 50: 189–201. doi:10.1016/j.geothermics.2013.09.004.

Murray, P. J. 2013. "Cartography in Henry Peacham's The Compleat Gentleman (1622)." *Notes and Queries* 60 (4): 516–518. doi:10.1093/notesj/gjt186.

Naß, A., and S. van Gasselt. 2013. "Archiving and Public Dissemination of Planetary Geologic and Geomorphologic Maps." 26th International Cartographic Conference, Dresden, August 25–30.

Nauman, T. W., and J. A. Thompson. 2014. "Semi-automated Disaggregation of Conventional Soil Maps Using Knowledge Driven Data Mining and Classification Trees." *Geoderma* 213: 385–399. doi:10.1016/j.geoderma.2013.08.024.

Nowotarski, C. J., and A. A. Jensen. 2013. "Classifying Proximity Soundings with Self-Organizing Maps Toward Improving Supercell and Tornado Forecasting." *Weather and Forecasting* 28 (3): 783–801.

Oyedepo, S. O. 2013. "Development of Noise Map for Ilorin Metropolis, Nigeria." *International Journal of Environmental Studies* 70 (4): 503–514.

Paulín, G. L., M. Bursik, M. T. Ramírez-Herrera, T. Contreras, M. Polenz, J. L. Hubp, L. M. P. Mejía, and L. A. Salinas. 2013. "Landslide Inventory Mapping and Landslide Susceptibility Modeling Assessment on the SW Flank of Pico de Orizaba Volcano, Puebla-Veracruz, Mexico." *Zeitschrift Für Geomorphologie* 57 (3): 371–385. doi:10.1127/0372–8854/2012/0097.

Pearson, M., G. S. Mohammed, R. Sanchez-Silva, and P. Carbajales. 2013. "Stanford University Libraries Study: Topographical Map Vectorization and the Impact of Bayer Moiré Defect." *Journal of Map & Geography Libraries* 9 (3): 313–334. doi:10.1080/15420353.2013.820677.

Penchalaiah, K., V. S. Charan, and B. L. Rao. 2013. "Efficient Web Based Geospatial Information System Application Using Bing Maps." *International Journal of Advanced*

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Research in Computer and Communication Engineering 2 (10): 3916–3921.

Perkins, C. 2012. "Making Maps: a Visual Guide to Map Design for GIS." *Environment & Planning B: Planning & Design* 39 (2): 410–411.

Pourabdollah, A., J. Morley, S. Feldman, and M. Jackson. 2013. "Towards an Authoritative OpenStreetMap: Conflating OSM and OS OpenData National Maps' Road Network." *ISPRS International Journal of Geo-Information* 2 (3): 704–728. doi:10.3390/ijgi2030704.

Rao, B. S., G. A. Kumar, P. V. S. S. N. G. Krishna, P. Srinivasulu, and V. R. Venkataraman. 2012. "Evaluation of EGM 2008 with EGM96 and Its Utilization in Topographical Mapping Projects." *Journal of the Indian Society of Remote Sensing* 40 (2): 335–340.

Ravela, S. 2013. "Mapping Coherent Atmospheric Structures with Small Unmanned Aircraft Systems." AIAA Infotech@Aerospace (I@A) Conference. Reston, VA: American Institute of Aeronautics and Astronautics. doi:10.2514/6.2013–4667.

Resch, B., F. Hillen, A. Reimer, and W. Spitzer. 2013. "Towards 4D Cartography – Four-dimensional Dynamic Maps for Understanding Spatio-temporal Correlations in Lightning Events." *The Cartographic Journal* 50 (3): 266–275.

Roelofsen, H. D., L. Kooistra, P. M. van Bodegom, J. Verrelst, J. Krol, and J.-P. M. Witte. 2014. "Mapping a Priori Defined Plant Associations Using Remotely Sensed Vegetation Characteristics." *Remote Sensing of Environment* 140: 639–651. doi:10.1016/j.rse.2013.09.030.

Ronen, S., and O. Shenkar. 2013. "Mapping World Cultures: Cluster Formation, Sources and Implications." *Journal of International Business Studies* 44 (9): 867–897.

Rust, H. W., M. Vrac, B. Sultan, and M. Lengaigne. 2013. "Mapping Weather-Type Influence on Senegal Precipitation Based on a Spatial–Temporal Statistical Model." *Journal of Climate* 26 (20): 8189–8209.

See, L., I. McCallum, S. Fritz, C. Perger, F. Kraxner, M. Obersteiner, U. D. Baruah, N.Mili, and N. R. Kalita. 2013. "Mapping Cropland in Ethiopia Using Crowdsourcing." *International Journal of Geosciences* 04 (06): 6–13. doi:10.4236/ijg.2013.46A1002.

Shi, X., S. Miller, K. Mwenda, A. Onda, J. Reese, T. Onega, J. Gui, M. Karagas, E. Demidenko, and J. Moeschler. 2013. "Mapping Disease at an Approximated Individual Level Using Aggregate Data: A Case Study of Mapping New Hampshire Birth Defects." *International Journal of Environmental Research and Public Health* 10 (9): 4161–74. doi:10.3390/ijerph10094161.

Shufeldt, O. P., S. J. Whitmeyer, and C. M. Bailey. 2012. "The New Frontier of Interactive, Digital Geologic Maps: Google Earth–based Multi-level Maps of Virginia Geology." *Geological Society of America Special Papers* 492: 147–163.

Simpson, C., D. G. De Paor, M. R. Beebe, and J. M. Strand. 2012. "Transferring Maps and Data from Pre-digital Era Theses to Google Earth: A Case Study from the Vredefort Dome, South Africa." *Geological Society of America Special Papers* 492: 183–197.

Slater, H., and E. Michael. 2013. "Mapping, Bayesian Geostatistical Analysis and Spatial Prediction of Lymphatic Filariasis Prevalence in Africa." *PloS One* 8 (8): e71574. doi:10.1371/journal.pone.0071574.

Subburayalu, S. K., I. Jenhani, and B. K. Slater. 2014. "Disaggregation of Component Soil Series on an Ohio County Soil Survey Map Using Possibilistic Decision Trees." *Geoderma* 213: 334–345. doi:10.1016/j.geoderma.2013.08.018.

Suchenwirth, L., M. Förster, F. Lang, and B. Kleinschmit. 2013. "Estimation and Mapping of Carbon Stocks in Riparian Forests by Using a Machine Learning Approach with Multiple Geodata| Schätzung Und Kartierung von Kohlenstoffvorräten in Auwäldern Mithilfe Eines Ansatzes Des Maschinellen Lernens Und Verschiedenartigen Ge." *Photogrammetrie – Fernerkundung – Geoinformation* 2013 (4): 333–349. doi:10.1127/1432–8364/2013/0181.

Taghizadeh-Mehrjardi, R., B. Minasny, F. Sarmadian, and B. P. Malone. 2014. "Digital Mapping of Soil Salinity in Ardakan Region, Central Iran." *Geoderma* 213: 15–28. doi:10.1016/j.geoderma.2013.07.020.

Thorner, J., L. Kumar, and S. D. A. Smith. 2013. "Fine-Scale Three-Dimensional Habitat Mapping as a Biodiversity Conservation Tool for Intertidal Rocky Reefs." *Journal of Coastal Research* (5): 1184–1190.

Torbick, N., S. Hession, S. Hagen, N. Wiangwang, B. Becker, and J. Qi. 2013. "Mapping Inland Lake Water Quality across the Lower Peninsula of Michigan Using Landsat TM Imagery." *International Journal of Remote Sensing* 34 (21): 7607–7624. doi:10.1080/01431161.2013.822602.

Vatsavai, R. R. 2013. "Gaussian Multiple Instance Learning Approach for Mapping the Slums of the World Using Very High Resolution Imagery." Proceedings of the 19th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining – KDD '13, 1419. New York: ACM Press. doi:10.1145/2487575.2488210.

Wall, G., K. L. Blackstock, and H. M. Smith. 2013. "The Role of Map-based Environmental Information in Supporting Integration Between River Basin Planning and Spatial Planning." *Environmental Science & Policy* 30: 81–89.

Wang, D., S. Liang, and T. He. 2013. "Mapping High-Resolution Surface Shortwave Net Radiation from Landsat Data." *IEEE Geoscience and Remote Sensing Letters* 11 (2): 1–5. doi:10.1109/LGRS.2013.2266317.

Williams, N. H. H., B. D. R. Misstear, D. Daly, and M. Lee. 2013. "Development of a National Groundwater Recharge Map for the Republic of Ireland." *Quarterly Journal of Engineering Geology and Hydrogeology* 46 (4): 493–506. doi:10.1144/qjegh2012–016.

Wu, X., X.-H. Yan, Y.-H. Jo, and W. T. Liu. 2012. "Estimation of Subsurface Temperature Anomaly in the North Atlantic Using a Self-Organizing Map Neural Network." *Journal of Atmospheric and Oceanic Technology* 29 (11): 1675–1688.

Education (cartography & GIScience)

Brewer, J. F. 2013. "Toward a Publicly Engaged Geography: Polycentric and Iterated Research." *Southeastern Geographer* 53 (3): 328–347. doi:10.1353/sgo.2013.0020.

Lundrigan, C. 2013. "Beyond the Intersections: Making the Case for Integrating GIS into Higher Education." *Association of Canadian Map Libraries and Archives Bulletin* 143: 13–15.

Scarletto, E. 2013. "Data Driven Program Planning for GIS Instruction." *Issues in Science and Technology Librarianship* 73 (Summer). doi:10.5062/F4R49NRF.

Shahnawaz, S. 2013. "UNIGIS Online Distance Learning Towards International GIScience Qualifications." *International Journal of Geoinformatics* 9 (2): 1–6.

Vogt, B. J., and H. Paddington. 2013. "Using Digital Earth to Expose Students to GIScience." *Journal of Geography* 112 (5): 205–213.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Generalization

Chen, Y. M., Q. Wan, X. Gao, Y. J. Li, and X. M. Bi. 2013. "Multi-Scale DEM Generalization Processing in Different Landform Areas." *Advanced Materials Research* 718–720: 2264–2269. doi:10.4028/www.scientific.net/AMR.718-720.2264.

Jezdić, K., and D. Tutić. 2013. "WebGen-WPS: Web Service for Cartographic Generalization | Webgen-WPS: Web-servis Za Kartografsku Generalizaciju." *Kartografija i Geoinformacije* 12 (19): 160–165.

Geographic information

Bodenhamer, D. J., T. M. Harris, and J. Corrigan. 2013. "Deep Mapping and the Spatial Humanities." *International Journal of Humanities and Arts Computing* 7 (1–2): 170–175. doi:10.3366/ijhac.2013.0087.

Brown, M., S. Sharples, J. Harding, C. J. Parker, N. Bearman, M. Maguire, D. Forrest, M. Haklay, and M. Jackson. 2013. "Usability of Geographic Information: Current Challenges and Future Directions." *Applied Ergonomics* 44 (6): 855–865.

Butler, B. J., J. H. Hewes, G. C. Liknes, M. D. Nelson, and S. A. Snyder. 2014. "A Comparison of Techniques for Generating Forest Ownership Spatial Products." *Applied Geography* 46: 21–34. doi:10.1016/j.apgeog.2013.09.020.

Chen, C.-M., Y.-H. Chen, Y.-H. Lin, and H.-M. Sun. 2014. "Eliminating Rouge Femtocells Based on Distance Bounding Protocol and Geographic Information." *Expert Systems with Applications* 41 (2): 426–433.

Cox, C. L., and A. R. D. Rabosky. 2013. "Spatial and Temporal Drivers of Phenotypic Diversity in Polymorphic Snakes." *The American Naturalist* 182 (2): E40–57.

Cuca, B., R. Brumana, and D. Oreni. 2013. "Geo-portals: More Sustainable Governance of Territory Within Spatial Data Framework." *First International Conference on Remote Sensing and Geoinformation of the Environment*, edited by D. G. Hadjimitsis, K. Themistocleous, S. Michaelides, and G. Papadavid. doi:10.1117/12.2028448.

Delipetrev, B., A. Jonoski, and D. P. Solomatine. 2014. "Development of a Web Application for Water Resources Based on Open Source Software." *Computers & Geosciences* 62: 35–42.

Garcia, K., R. Lasco, A. Ines, B. Lyon, and F. Pulhin. 2013. "Predicting Geographic Distribution and Habitat Suitability Due to Climate Change of Selected Threatened Forest Tree Species in the Philippines." *Applied Geography* 44: 12–22. doi:10.1016/j.apgeog.2013.07.005.

Goldberg, D. W., M. Ballard, J. H. Boyd, N. Mullan, C. Garfield, D. Rosman, A. M. Ferrante, and J. B. Semmens. 2013. "An Evaluation Framework for Comparing Geocoding Systems." *International Journal of Health Geographics* 12 (1): 50. doi:10.1186/1476-072X–12–50.

Gutiérrez, J., A. M. Condeço-Melhorado, J. C. Martín, and C. Román. 2013. "Road Pricing in the European Union: Direct Revenue Transfer Between Countries." *Journal of Transport Geography* 33: 95–104.

Jackson, S., W. Mullen, P. Agouris, A. Crooks, A. Croitoru, and A. Stefanidis. 2013. "Assessing Completeness and Spatial Error of Features in Volunteered Geographic Information." *ISPRS International Journal of Geo-Information* 2 (2): 507–530. doi:10.3390/ijgi2020507.

Kleessen, S., C. Antonio, R. Sulpice, R. Laitinen, A. R. Fernie, M. Stitt, and Z. Nikoloski. 2012. "Structured Patterns in Geographic Variability of Metabolic Phenotypes in *Arabidopsis thaliana*." *Nature Communications* 3: 1319. http://dx.doi.org/10.1038/ncomms2333.

Latre, M. Á., F. J. Lopez-Pellicer, J. Nogueras-Iso, R. Béjar, F. J. Zarazaga-Soria, and P. R. Muro-Medrano. 2013. "Spatial Data Infrastructures for Environmental E-government Services: The Case of Water Abstractions Authorisations." *Environmental Modelling & Software* 48: 81–92. doi:10.1016/j.envsoft.2013.06.005.

Ma, X., S. E. Battersby, B. A. Bell, J. D. Hibbert, T. L. Barnes, and A. D. Liese. 2013. "Variation in Low Food Access Areas Due to Data Source Inaccuracies." *Applied Geography* 45: 131–137.

Maguire, M. C. 2013. "An Analysis of Specialist and Non-specialist User Requirements for Geographic Climate Change Information." *Applied Ergonomics* 44 (6): 874–885.

May, A. J. 2013. "Using a 'value-added' Approach for Contextual Design of Geographic Information." *Applied Ergonomics* 44 (6): 895–908.

Rafoss, T., J. Skahjem, J. A. Johansen, S. Johannessen, U. S. Nagothu, I. S. Fløistad, and A. Sletten. 2013. "Improving Pest Risk Assessment and Management through the Aid of Geospatial Information Technology Standards." *NeoBiota* 18: 119–130. doi:10.3897/neobiota.18.4017.

Scassa, T. 2013. "Legal Issues with Volunteered Geographic Information." *The Canadian Geographer/Le Géographe Canadien* 57 (1): 1–10.

Sharples, S., M. Brown, J. Harding, and M. Jackson. 2013. "Usability, Human Factors and Geographic Information." *Applied Ergonomics* 44 (6): 853–854.

Torrens, P. M., and W. A. Griffin. 2013. "Exploring the Micro-Social Geography of Children's Interactions in Preschool: A Long-Term Observational Study and Analysis Using Geographic Information Technologies." *Environment and Behavior* 45 (5): 584–614.

Tudesque, L., C. Tisseuil, and S. Lek. 2014. "Scale-dependent Effects of Land Cover on Water Physico-chemistry and Diatom-based Metrics in a Major River System, the Adour-Garonne Basin (South Western France)." *Science of the Total Environment* 466–467: 47–55.

Visconti, P., M. Di Marco, J. G. Álvarez-Romero, S. R. Januchowski-Hartley, R. L. Pressey, R. Weeks, and C. Rondinini. 2013. "Effects of Errors and Gaps in Spatial Data Sets on Assessment of Conservation Progress." *Conservation Biology : The Journal of the Society for Conservation Biology* 27 (5): 1000–10. doi:10.1111/cobi.12095.

GIS

Abdullahi, B. U., J. K. Rai, M. Momoh, and E. E. Udensi. 2013. "Application of Remote Sensing and GIS in Ground Water Mapping in Some Selected Localities in Kebbi State, Nigeria." *International Journal of Marine, Atmospheric & Earth Sciences* 1 (2): 81–95.

Alegria, C., J. M. Monteiro, M. C. Teixeira, and C. Tomaz. 2013. "Land Cover Change and Afforestation of Marginal and Abandoned Agricultural Land: A 10 year Analysis in a Mediterranean Region." *Forest Ecology & Management* 308: 40–49.

Bashier, E. H., I. Salih, and A. K. Sam. 2012. "GIS Predictive Mapping of Terrestrial Gamma Radiation in the Northern State, Sudan." *Radiation Protection Dosimetry* 151 (3): 500–510. doi:10.1093/rpd/ncs022.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Brovelli, M. A., H. Mitasova, M. Neteler, V. Raghavan. 2012. "Free and Open Source Desktop and Web GIS Solutions." *Applied Geomatics* 4 (2): 65–66.

Brown, G., M. F. Schebella, and D. Weber. 2014. "Using Participatory GIS to Measure Physical Activity and Urban Park Benefits." *Landscape and Urban Planning* 121: 34–44. doi:10.1016/j.landurbplan.2013.09.006.

Comer, C. E., N. P. Garner, I.-K.Hung, G. E. Calkins, and D. J. Kaminski. 2013. "Using GIS-based, Regional Extent Habitat Suitability Modeling to Identify Conservation Priority Areas: A Case Study of the Louisiana Black Bear in East Texas." *Journal of Wildlife Management* 77 (8): 1639–1649.

Demirci, A., and A. Karaburun. 2012. "Estimation of Soil Erosion Using RUSLE in a GIS Framework: A Case Study in the Buyukcekmece Lake Watershed, Northwest Turkey." *Environmental Earth Sciences* 66 (3): 903–913.

Geneletti, D., and F. Orsi. 2013. "Using Geotagged Photographs and GIS Analysis to Estimate Visitor Flows in Natural Areas." *Journal for Nature Conservation* 21 (5): 359–368.

Girardi, G. 2013. "The MayaArch3D Project: A 3D WebGIS for Analyzing Ancient Architecture and Landscapes." *Literary and Linguistic Computing* 28 (4): 736–753.

Hain, E. F., S. A. C. Nelson, B. H. Tracy, and H. I Cakir. 2012. "Application of GIS Techniques for Developing a Fish Index of Biotic Integrity for an Ecoregion with Low Species Richness." *Southeastern Naturalist* 11: 711–732.

Hirsch, J. A., A. V. D. Roux, D. A. Rodriguez, S. J. Brines, and K. A. Moore. 2013. "Discrete Land Uses and Transportation Walking in Two U.S. Cities: The Multi-Ethnic Study of Atherosclerosis." *Health & Place* 24: 196–202.

Höhn, J., E. Lehtonen, S. Rasi, and J. Rintala. 2014. "A Geographical Information System (GIS) Based Methodology for Determination of Potential Biomasses and Sites for Biogas Plants in Southern Finland." *Applied Energy* 113: 1–10.

Lorestani, E. Z., B. Kamkar, S. E. Razavi, and J. A. Teixeira da Silva. 2013. "Modeling and Mapping Diversity of Pathogenic Fungi of Wheat Fields Using Geographic Information Systems (GIS)." *Crop Protection* 54: 74–83. doi:10.1016/j.cropro.2013.07.002.

McCool, J. P. P. 2014. "PRAGIS: A Test Case for a Web-based Archaeological GIS." *Journal of Archaeological Science* 41: 133–139.

Mekni, M. 2013. "Holonic Virtual Geographic Environments." *International Journal of Remote Sensing Applications* 3 (3): 117–126.

Payne, S. M., I. A. Magruder, and W. W. Woessner. 2013. "Application of a Groundwater Classification System and GIS Mapping System for the Lower Ruby Valley Watershed, Southwest Montana." *Journal of Water Resource and Protection* 5 (8): 775–791. doi:10.4236/jwarp.2013.58079.

Presciutti, A., F. Scrucca, and F. Asdrubali. 2013. "Development of a Greenhouse Gas Accounting GIS-based Tool to Support Local Policy Making – Application to an Italian Municipality." *Energy Policy* 61: 587–594.

Qi, H., P. Qi, and M. S. Altinakar. 2013. "GIS-Based Spatial Monte Carlo Analysis for Integrated Flood Management with Two Dimensional Flood Simulation." *Water Resources Management* 27 (10): 3631–3645. doi:10.1007/s11269-013-0370–8.

Reza, M. I. H., S. A. Abdullah, S. B. M. Nor, and M. H. Ismail. 2013. "Integrating GIS and Expert Judgment in a Multi-criteria Analysis to Map and Develop a Habitat Suitability Index: A Case Study of Large Mammals on the Malayan Peninsula." *Ecological Indicators* 34: 149–158.

Roemmich, J. 2013. "Neighbourhood for Playing: Using GPS, GIS and Accelerometry to Delineate Areas Within Which Youth Are Physically Active." *Urban Studies* 50 (14): 2922–2939.

Saeedrashed, Y., and A. Guven. 2012. "Estimation of Geomorphological Parameters of Lower Zab River-Basin by Using GIS-Based Remotely Sensed Image." *Water Resources Management* 27 (1): 209–219. doi:10.1007/s11269-012-0179–x.

Santos, C., V. L. Silva, L. Silva, and R. Silva. 2013. "Erosivity, Surface Runoff, and Soil Erosion Estimation Using GIS-coupled Runoff-erosion Model in the Mamuaba Catchment, Brazil." *Environmental Monitoring & Assessment* 185 (11): 8977–8990.

Sherrouse, B. C., D. J. Semmens, and J. M. Clement. 2014. "An Application of Social Values for Ecosystem Services (SolVES) to Three National Forests in Colorado and Wyoming." *Ecological Indicators* 36: 68–79.

Shoba, B., and K. Rasappan. 2013. "Application of GIS in Solid Waste Management for Coimbatore City." *International Journal of Scientific and Research Publications* 3 (10): 1–4.

Singleton, A. 2014. "A GIS Approach to Modelling CO_2 Emissions Associated with the Pupil-school Commute." *International Journal of Geographical Information Science* 28 (2): 256–273. doi:10.1080/13658816.2013.832765.

Stanev, K. 2013. "A Historical GIS Approach to Studying the Evolution of the Railway and Urban Networks: The Balkans, 1870–2001." *Historical Methods: A Journal of Quantitative and Interdisciplinary History* 46 (3): 192–201. doi:10.1080/01615440.2013.804789.

Uyan, M. 2013. "GIS-based Solar Farms Site Selection Using Analytic Hierarchy Process (AHP) in Karapinar Region, Konya/Turkey." *Renewable & Sustainable Energy Reviews* 28: 11–17.

Van der Merwe, J. H., S. L. A. Ferreira, and A. van Niekerk. 2013. "Resource-directed Spatial Planning of Agritourism with GIS." *South African Geographical Journal* 95 (1): 16–37. doi:10.1080/03736245.2013.805080.

Wang, Q., M. Li, and E. Thompson. 2013. "Anaerobic Digester Systems (ADS) for Multiple Dairy Farms: A GIS Analysis for Optimal Site Selection." *Energy Policy* 61: 114–124.

Wei, B. S., H. Liang, and T. L. Wang. 2013. "3D Modeling and Visualization of City Drain-Pipes Network Based on ArcGIS and SketchUp." *Advanced Materials Research* 726–731: 3030–3034. doi:10.4028/www.scientific.net/AMR.726-731.3030.

Young, S. G., J. A. Tullis, and J. Cothren. 2013. "A Remote Sensing and GIS-assisted Landscape Epidemiology Approach to West Nile Virus." *Applied Geography* 45: 241–249.

Zhang, L. N., H. Liu, L. Jiang, X. Y. Zhu, D. Zhang, and J. D. Li. 2013. "Development and Realization of Contaminated Sites Information and Remediation Decision System Based on GIS." *Advanced Materials Research* 726–731: 4660–4663. doi:10.4028/www.scientific.net/AMR.726-731.4660

GIScience

Baaij, M. G., and A. H. L. Slangen. 2013. "The Role of Headquarters–Subsidiary Geographic Distance in Strategic Decisions by Spatially Disaggregated Headquarters."

Journal of International Business Studies 44 (9): 941–952. http://dx.doi.org/10.1057/jibs.2013.41.

Bhargava, N., R. Bhargava, and P. S. Tanwar. 2013. "A Relational Algebra Approach to Solve Problems of Spatial Databases Representation." *International Journal of Engineering Research & Technology* 2 (9): 2841–2846.

Delbari, M., P. Afrasiab, and S. Jahani. 2013. "Spatial Interpolation of Monthly and Annual Rainfall in Northeast of Iran." *Meteorology and Atmospheric Physics* 122 (1–2): 103–113. doi:10.1007/s00703-013-0273–5.

Drius, M., M. Malavasi, A. T. R. Acosta, C. Ricotta, and M. L. Carranza. 2013. "Boundary-based Analysis for the Assessment of Coastal Dune Landscape Integrity over Time." *Applied Geography* 45: 41–48.

Gu, C., Z. Dong, P. Jirutitijaroen, N. Chen, W. M. Walsh, and D. Yang. 2013. "Solar Irradiance Forecasting Using Spatial-temporal Covariance Structures and Time-forward Kriging." *Renewable Energy: An International Journal* 60: 235–245.

Lv, J., Y. Liu, Z. Zhang, and J. Dai. 2013. "Factorial Kriging and Stepwise Regression Approach to Identify Environmental Factors Influencing Spatial Multi-scale Variability of Heavy Metals in Soils." *Journal of Hazardous Materials* 261: 387–97. doi:10.1016/j.jhazmat.2013.07.065.

Mao, L., and D. Nekorchuk. 2013. "Measuring Spatial Accessibility to Healthcare for Populations with Multiple Transportation Modes." *Health & Place* 24: 115–122.

Oxx, K., A. Brimicombe, and J. Rush. 2013. "Envisioning Deep Maps: Exploring the Spatial Navigation Metaphor in Deep Mapping." *International Journal of Humanities and Arts Computing* 7 (1–2): 201–227. doi:10.3366/ijhac.2013.0090.

Roces-Díaz, J. V., E. R. Díaz-Varela, and P. Álvarez-Álvarez. 2014. "Analysis of Spatial Scales for Ecosystem Services: Application of the Lacunarity Concept at Landscape Level in Galicia (NW Spain)." *Ecological Indicators* 36: 495–507.

Romshoo, S., M. Khan, and B. Badar. 2013. "Integrating Biophysical and Socioeconomic Information for Prioritizing Watersheds in a Kashmir Himalayan Lake: A Remote Sensing and GIS Approach." *Environmental Monitoring & Assessment* 185 (8): 6419–6445.

Thirel, G., P. Salamon, P. Burek, and M. Kalas. 2013. "Assimilation of MODIS Snow Cover Area Data in a Distributed Hydrological Model Using the Particle Filter." *Remote Sensing* 5 (11): 5825–5850. doi:10.3390/rs5115825.

Wu, Z. Z., J. P. Liu, J. Jin, and H. Wang. 2013. "Spatial Analysis and 3D Simulation of Underground Pipe Network Based on ArcGIS." *Applied Mechanics and Materials* 353–356: 2948–2952. doi:10.4028/www.scientific.net/AMM.353-356.2948.

History of cartography

Baiocchi, V., K. Lelo, M. V. Milone, M. Mormile, and E. Tanga. 2013. "Knowing the Past for Managing the Present: A Comparison Between Historical Cartography and Satellite Images for the Study of Rome's City Centre." *Geographia Technica* 1: 17–27.

Blatt, A. J. 2013. "Technological Changes in Maps and Cartography." *Journal of Map & Geography Libraries* 9 (3): 361–367. doi:10.1080/15420353.2013.793226.

Leiva, J. I. G., and P. B. Pinto. 2013. "Cartography of the Transformation of a Territory: La Araucanía 1852–1871 | Cartografía de La Transformación de Un Territorio: La Araucanía 1852–1887." *Revista de Geografia Norte Grande* 54: 179–198.

Moreno, M. M. 2012. "Terrain Representation in Regional Cartography in the Renaissance: Some Examples | Representación Del Territorio En La Cartografía Regional Renacentista: Algunos Ejemplos." *Boletin de La Asociacion de Geografos Espanoles* 59: 25–48 and 395–400.

Muthu, S. S., E. Gkadolou, and E. Stefanakis. 2013. "Historical Map Collections on Geospatial Web." *Geomatica* 67 (3): 163–171. doi:10.5623/cig2013–035.

Scafi, A. 2012. "Mapping the End: The Apocalypse in Medieval Cartography." *Literature and Theology* 26 (4): 400–416.

Schmidt, B. 2012. "On the Impulse of Mapping, or How a Flat Earth Theory of Dutch Maps Distorts the Thickness and Pictorial Proclivities of Early Modern Dutch Cartography (and Misses Its Picturing Impulse)." *Art History* 35 (5): 1036–1049.

Smith, R. H. P. 2013. "Peninsular War Cartography: A New Look at the Military Mapping of General Sir George Murray and the Quartermaster General's Department." *Imago Mundi: The International Journal for the History of Cartography* 65 (2): 234. doi:10.1080/03085694.2013.784570.

Thévenin, T., R. Schwartz, and L. Sapet. 2013. "Mapping the Distortions in Time and Space: The French Railway Network 1830–1930." *Historical Methods: A Journal of Quantitative and Interdisciplinary History* 46 (3): 134–143. doi:10.1080/01615440.2013.803409.

Information retrieval

Espinoza-Molina, D., and M. Datcu. 2013. "Earth-Observation Image Retrieval Based on Content, Semantics, and Metadata." *Geoscience and Remote Sensing* 51 (11): 5145–5159. doi:10.1109/TGRS.2013.2262232.

Gallo, C., F. Malatacca, and A. Fratello. 2013. "Web Information System Platforms for Publishing Spatial Data." *International Journal of Web Portals* 5 (2): 32–47. doi:10.4018/jwp.2013040103.

Kufer, S., D. Blank, and A. Henrich. 2013. "Using Hybrid Techniques for Resource Description and Selection in the Context of Distributed Geographic Information Retrieval." Lecture Notes in Computer Science (including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 8098 LNCS: 330–347.

Rahman, M. M., and J. T. S. Sumantyo. 2013. "Retrieval of Tropical Forest Biomass Information from ALOS PALSAR Data." *Geocarto International* 28 (5): 382–403. doi:10.1080/10106049.2012.710652.

Thomas, P. 2012. "To What Problem Is Distributed Information Retrieval the Solution?" *Journal of the American Society for Information Science and Technology* 63 (7): 1471–1476.

Integration

Abdi, A. 2013. "Integrating Open Access Geospatial Data to Map the Habitat Suitability of the Declining Corn Bunting (Miliaria Calandra)." *ISPRS International Journal of Geo-Information* 2 (4): 935–954. doi:10.3390/ijgi2040935.

Addison, J. A., B. P. Finney, J. M. Jaeger, J. S. Stoner, R. D. Norris, and A. Hangsterfer. 2013. "Integrating Satellite Observations and Modern Climate Measurements with the Recent Sedimentary Record: An Example from Southeast Alaska." *Journal of Geophysical Research: Oceans* 118 (7): 3444–3461. doi:10.1002/jgrc.20243.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Bian, H., H. Zhang, D. Zhou, J. Xu, and Z. Zhang. 2013. "Integrating Models to Evaluate and Map Grassland Fire Risk Zones in Hulunbuir of Inner Mongolia, China." *Fire Safety Journal* 61: 207–216. doi:10.1016/j.firesaf.2013.09.004.

Chen, J., L. Xiang, and J. Y. Gong. 2013. "Virtual Globe-based Integration and Sharing Service Method of GeoSpatial Information." *Science China Earth Sciences* 56 (10): 1780–1790. doi:10.1007/s11430-013-4627–0.

Christian, S., J. W. Holt, S. Byrne, and K. E. Fishbaugh. 2013. "Integrating Radar Stratigraphy with High Resolution Visible Stratigraphy of the North Polar Layered Deposits, Mars." *Icarus* 226 (2): 1241–1251. doi:10.1016/j.icarus.2013.07.003.

Du, H., S. Anand, N. Alechina, J. Morley, G. Hart, D. Leibovici, M. Jackson, and M. Ware. 2012. "Geospatial Information Integration for Authoritative and Crowd Sourced Road Vector Data." *Transactions in GIS* 16 (4): 455–476.

Fagerholm, N., N. Käyhkö, and V. Van Eetvelde. 2013. "Landscape Characterization Integrating Expert and Local Spatial Knowledge of Land and Forest Resources." *Environmental Management* 52 (3): 660–82. doi:10.1007/s00267-013-0121–x.

Goldshleger, N., U. Basson, and I. Azaria. 2013. "Mapping and Predicting Sinkholes by Integration of Remote Sensing and Spectroscopy Methods." *First International Conference on Remote Sensing and Geoinformation of the Environment*, edited by D. G. Hadjimitsis, K. Themistocleous, S. Michaelides, and G. Papadavid. doi:10.1117/12.2028317.

Hernández-Ávila, J. E., M.-H. Rodríguez, R. Santos-Luna, V. Sánchez-Castañeda, S. Román-Pérez, V. H. Ríos-Salgado, and J. A. Salas-Sarmiento. 2013. "Nation-wide, Web-based, Geographic Information System for the Integrated Surveillance and Control of Dengue Fever in Mexico." *PloS One* 8 (8): e70231. doi:10.1371/journal.pone.0070231.

Ines, A. V. M., N. N. Das, J. W. Hansen, and E. G. Njoku. 2013. "Assimilation of Remotely Sensed Soil Moisture and Vegetation with a Crop Simulation Model for Maize Yield Prediction." *Remote Sensing of Environment* 138: 149–164. doi:10.1016/j.rse.2013.07.018.

Li, Y., Z. Shi, H.-X. Wu, F. Li, and H.-Y. Li. 2013. "Definition of Management Zones for Enhancing Cultivated Land Conservation Using Combined Spatial Data." *Environmental Management* 52 (4): 792–806. doi:10.1007/s00267-013-0124–7.

Pikesley, S. K., S. M. Maxwell, K. Pendoley, D. P. Costa, M. S. Coyne, A. Formia, B. J. Godley, et al. 2013. "On the Front Line: Integrated Habitat Mapping for Olive Ridley Sea Turtles in the Southeast Atlantic." *Diversity and Distributions* 19 (12): 1518–1530. doi:10.1111/ddi.12118.

Piou, C., V. Lebourgeois, A. S. Benahi, V. Bonnal, M. el Hacen Jaavar, M. Lecoq, and J.-M. Vassal. 2013. "Coupling Historical Prospection Data and a Remotely-sensed Vegetation Index for the Preventative Control of Desert Locusts." *Basic and Applied Ecology* 14 (7): 593–604. doi:10.1016/j.baae.2013.08.007.

Ružičić, V., and M. Blagojević. 2013. "Geomedia Application Tools in Spatial Data Integration." *Metalurgia International* 18 (SPEC.3): 259–261.

Shi, Q., and S. Liang. 2013. "Characterizing the Surface Radiation Budget over the Tibetan Plateau with Ground-measured, Reanalysis, and Remote Sensing Datasets. Part 1: Methodology." *Journal of Geophysical Research: Atmospheres* 118 (17): 9642–9657. doi:10.1002/jgrd.50720.

Solyman, L. G. E.-D. T. 2012. "Improving Automatic Feature Detection from LIDAR Intensity by Integration of LIDAR Height Data and True Orthoimage from Digital Camera." *International Journal of Circuits, Systems and Signal Processing* 6 (3): 221–230.

Stokely, P. 2013. "Using Aerial Photography, Geospatial Data, and GIS to Support the Enforcement of Environmental Statutes." *Natural Resources & Environment* 28 (1): 38–42.

Sulaiman, N. S., E. W. Bachad, A. K. Chong, Z. Majid, and H. Setan. 2013. "Generating Three-Dimensional Photo-Realistic Model of Archaeological Monument Via Multi-Sensors' Data Integration." *International Journal of Research in Engineering and Technology* 2 (10): 362–373.

Wu, H., C. Liu, Y. Zhang, W. Sun, and W. Li. 2013. "Building a Water Feature Extraction Model by Integrating Aerial Image and Lidar Point Clouds." *International Journal of Remote Sensing* 34 (21): 7691–7705.

Zalidis, G., N. Karapetsas, C. Skoulikaris, L. Misopolinos, and C. Manesis. 2013. "Development of an Integrated Application Portal for Environmental Spatial Information Dissemination in the Nestos River Basin." *First International Conference on Remote Sensing and Geoinformation of the Environment*, edited by D. G. Hadjimitsis, K. Themistocleous, S. Michaelides, and G. Papadavid. doi:10.1117/12.2028453.

Zhanga, C., Z. Xiea, and D. Selcha. 2013. "Fusing Lidar and Digital Aerial Photography for Object-based Forest Mapping in the Florida Everglades." *GIScience & Remote Sensing* 50 (5): 562–573. doi:10.1080/15481603.2013.836807.

Zheng, X., J. Zhu, and Q. Yan. 2013. "Monthly Air Temperatures over Northern China Estimated by Integrating MODIS Data with GIS Techniques." *Journal of Applied Meteorology and Climatology* 52 (9): 1987–2000.

Models/modeling

Alisauskas, R. T., and J. A. Conkin. 2013. "Modeling Probability of Waterfowl Encounters from Satellite Imagery of Habitat in the Central Canadian Arctic." *Journal of Wildlife Management* 77 (5): 931–946.

Askne, J., J. Fransson, M. Santoro, M. Soja, and L. Ulander. 2013. "Model-Based Biomass Estimation of a Hemi-Boreal Forest from Multitemporal TanDEM-X Acquisitions." *Remote Sensing* 5 (11): 5574–5597. doi:10.3390/rs5115574.

Chokmani, K., M. Bernier, and A. Royer. 2013. "A Merging Algorithm for Regional Snow Mapping over Eastern Canada from AVHRR and SSM/I Data." *Remote Sensing* 5 (11): 5463–5487. doi:10.3390/rs5115463.

Claggett, P. R., and T. L. Sohl. 2013. "Clarity Versus Complexity: Land-use Modeling as a Practical Tool for Decision-makers." *Journal of Environmental Management* 129: 235–243.

Comer, C. E., N. P. Garner, I.-K. Hung, G. E. Calkins, and D. J. Kaminski. 2013. "Using GIS-based, Regional Extent Habitat Suitability Modeling to Identify Conservation Priority Areas: A Case Study of the Louisiana Black Bear in East Texas." *Journal of Wildlife Management* 77 (8): 1639–1649.

Daoud, M., and J. X. Huang. 2013. "Modeling Geographic, Temporal, and Proximity Contexts for Improving Geotemporal Search." *Journal of the American Society for Information Science and Technology* 64 (1): 190–212.

Engler, R., L. T. Waser, N. E. Zimmermann, M. Schaub, S. Berdos, C. Ginzler, and A. Psomas. 2013. "Combining Ensemble Modeling and Remote Sensing for Mapping Individual Tree Species at High Spatial Resolution." *Forest Ecology and Management* 310: 64–73. doi:10.1016/j.foreco.2013.07.059.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Huesca, M., J. Litago, S. Merino-de-Miguel, V. Cicuendez-López-Ocaña, and A. Palacios-Orueta. 2014. "Modeling and Forecasting MODIS-based Fire Potential Index on a Pixel Basis Using Time Series Models." *International Journal of Applied Earth Observation and Geoinformation* 26: 363–376.

Jones, R., D. Cornford, and L. Bastin. 2012. "UncertWeb Processing Service." *Transactions in GIS* 16 (6): 921–939.

Keane, R. E., G. J. Cary, M. D. Flannigan, R. A. Parsons, I. D. Davies, K. J. King, C. Li, R. A. Bradstock, and M. Gill. 2013. "Exploring the Role of Fire, Succession, Climate, and Weather on Landscape Dynamics Using Comparative Modeling." *Ecological Modelling* 266: 172–186. doi:10.1016/j.ecolmodel.2013.06.020.

Li, C., Z. Jiang, H. Fang, and C. Li. 2013. "A Spatially Explicit Model of Functional Connectivity for the Endangered Przewalski's Gazelle (Procapra Przewalskii) in a Patchy Landscape." *PLoS ONE* 8 (11): e80065. doi:10.1371/journal.pone.0080065.

Lira-Noriega, A., J. Soberón, and C. P. Miller. 2013. "Process-based and Correlative Modeling of Desert Mistletoe Distribution: a Multiscalar Approach." *Ecosphere* 4 (8): art99. doi:10.1890/ES13-00155.1.

Oliver, M. A., and R. Webster. 2014. "A Tutorial Guide to Geostatistics: Computing and Modelling Variograms and Kriging." *Catena* 113: 56–69.

Ruhaak, W., I. Sass, and S. Al-Zyoud. 2014. "Dynamic Numerical Modeling of the Usage of Groundwater for Cooling in North East Jordan – A Geothermal Case Study." *Renewable Energy: An International Journal* 62: 63–72.

Song, Y., J. Gong, L. Niu, Y. Li, Y. Jiang, W. Zhang, and T. Cui. 2013. "A Grid-based Spatial Data Model for the Simulation and Analysis of Individual Behaviours in Micro-spatial Environments." *Simulation Modelling Practice and Theory* 38: 58–68. doi:10.1016/j.simpat.2013.07.002.

Sunohara, M. D., E. Topp, E. G. Gregorich, C. F. Drury, N. Gottschall, D. R. Lapen, and V. Nangia. 2013. "Measuring and Modeling the Effects of Drainage Water Management on Soil Greenhouse Gas Fluxes from Corn and Soybean Fields." *Journal of Environmental Management* 129: 652–664.

Woodhall, D. M., R. E. Wiegand, M. Wellman, E. Matey, B. Abudho, D. M. S. Karanja, P. M. N. Mwinzi, S. P. Montgomery, and W. E. Secor. 2013. "Use of Geospatial Modeling to Predict Schistosoma Mansoni Prevalence in Nyanza Province, Kenya." *PloS One* 8 (8): e71635. doi:10.1371/journal.pone.0071635.

Yasui, H. 2013. "Improvement of an Aquaculture Site-selection Model for Japanese Kelp (Saccharina Japonica) in Southern Hokkaido, Japan: An Application for the Impacts of Climate Events." *ICES Journal of Marine Science: Journal Du Conseil* 70 (7): 1460–1470.

Ontology/semantic web

Arvor, D., L. Durieux, S. Andrés, and M.-A. Laporte. 2013. "Advances in Geographic Object-Based Image Analysis with Ontologies: A Review of Main Contributions and Limitations from a Remote Sensing Perspective." *ISPRS Journal of Photogrammetry and Remote Sensing* 82: 125–137.

Carral, D., S. Scheider, K. Janowicz, C. Vardeman, A. A. Krisnadhi, and P. Hitzler. 2013. "An Ontology Design Pattern for Cartographic Map Scaling." Lecture Notes in Computer Science (including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7882 LNCS: 76–93.

Farnaghi, M., and A. Mansourian. 2013. "Automatic Composition of WSMO Based Geospatial Semantic Web Services Using Artificial Intelligence Planning." *Journal of Spatial Science* 58 (2): 235–250. doi:10.1080/14498596.2013.815148.

Gamberger, D., G. Krstaçić, and A. Jović. 2013. "A Novel Way of Integrating Rule-based Knowledge into a Web Ontology Language Framework." *Studies in Health Technology and Informatics* 186: 51–55.

Hossein Zadeh, P. D., and M. Z. Reformat. 2013. "Assessment of Semantic Similarity of Concepts Defined in Ontology." *Information Sciences* 250: 21–39.

Livet, P. 2012. "Web Ontologies as Renewal of Classical Philosophical Ontology." *Metaphilosophy* 43 (4): 396–404.

Messina, J. P., and W. K. Pan. 2013. "Different Ontologies: Land Change Science and Health Research." *Current Opinion in Environmental Sustainability* 5 (5): 515–521.

Shaw, I. G. R., J. P. Jones, and M. K. Butterworth. 2013. "The Mosquito's Umwelt, or One Monster's Standpoint Ontology." *Geoforum* 48: 260–267.

Van Gasselt, S., and A. Naß. 2013. "Planetary Geologic Mapping: Initial Thoughts on an Ontology Framework." 26th International Cartographic Conference, Dresden, August 25–30.

Photogrammetry

Al Rawashdeh, S. B. 2013. "Assessment of Extraction Drainage Pattern from Topographic Maps Based on Photogrammetry." *Arabian Journal of Geosciences* 6 (12): 4873–4880.

Dennison, P. E., A. K. Thorpe, E. R. Pardyjak, D. A. Roberts, Y. Qi, R. O. Green, E. S. Bradley, and C. C. Funk. 2013. "High Spatial Resolution Mapping of Elevated Atmospheric Carbon Dioxide Using Airborne Imaging Spectroscopy: Radiative Transfer Modeling and Power Plant Plume Detection." *Remote Sensing of Environment* 139: 116–129. doi:10.1016/j.rse.2013.08.001.

Diac, M., and E. Oniga. 2013. "Metric and Non-Metric Cameras Calibration for the Improvement of Real-Time Monitoring Process Results." *Environmental Engineering & Management Journal (EEMJ)* 12 (4): 719–726.

Diefenbach, A. K., K. F. Bull, R. L. Wessels, and R. G. McGimsey. 2013. "Photogrammetric Monitoring of Lava Dome Growth During the 2009 Eruption of Redoubt Volcano." *Journal of Volcanology and Geothermal Research* 259: 308–316.

Dosil, R., X. M. Pardo, X. R. Fdez-Vidal, A. García-Díaz, and V. Leborán. 2013. "A New Radial Symmetry Measure Applied to Photogrammetry." *Pattern Analysis and Applications* 16 (4): 637–646.

Fauchard, C., R. Antoine, F. Bretar, J. Lacogne, Y. Fargier, C. Maisonnave, V. Guilbert, et al. 2013. "Assessment of an Ancient Bridge Combining Geophysical and Advanced Photogrammetric Methods: Application to the Pont De Coq, France." *Journal of Applied Geophysics* 98: 100–112.

Gaston, K. J., and K. Anderson. 2013. "Lightweight Unmanned Aerial Vehicles Will Revolutionize Spatial Ecology." *Frontiers in Ecology & the Environment* 11 (3): 138–146.

Gergel, S. E., and J. L. Morgan. 2013. "Automated Analysis of Aerial Photographs and Potential for Historic Forest Mapping." *Canadian Journal of Forest Research* 43 (8): 699–710.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Goncalves, J., L. Bastos, and S. Madeira. 2013. "Accurate DTM Generation in Sand Beaches Using Mobile Mapping." *Journal of Coastal Conservation (Springer Science & Business Media B.V.)* 17 (3): 579–588.

Kiani, A., H. Ebadi, F. F. Ahmadi, and S. Masoumi. 2014. "Design and Implementation of an Expert Interpreter System for Intelligent Acquisition of Spatial Data from Aerial or Remotely Sensed Images." *Measurement* 47: 676–685. doi:10.1016/j.measurement.2013.09.038.

Korpela, I., A. Hovi, and L. Korhonen. 2013. "Backscattering of Individual LiDAR Pulses from Forest Canopies Explained by Photogrammetrically Derived Vegetation Structure." *ISPRS Journal of Photogrammetry and Remote Sensing* 83: 81–93.

Liknes, G., M. Nelson, and D. Meneguzzo. 2013. "Mapping Trees Outside Forests Using High-resolution Aerial Imagery: a Comparison of Pixel- and Object-based Classification Approaches." *Environmental Monitoring & Assessment* 185 (8): 6261–6275.

Liu, Z., M. Peng, and K. Di. 2014. "A Continuative Variable Resolution Digital Elevation Model for Ground-based Photogrammetry." *Computers & Geosciences* 62: 71–79. doi:10.1016/j.cageo.2013.10.001.

Maguya, A. S., V. Junttila, and T. Kauranne. 2013. "Adaptive Algorithm for Large Scale DTM Interpolation from Lidar Data for Forestry Applications in Steep Forested Terrain." *ISPRS Journal of Photogrammetry and Remote Sensing* 85: 74–83.

Mulder, V. L., S. de Bruin, J. Weyermann, R. F. Kokaly, and M. E. Schaepman. 2013. "Characterizing Regional Soil Mineral Composition Using Spectroscopy and Geostatistics." *Remote Sensing of Environment* 139: 415–429. doi:10.1016/j.rse.2013.08.018.

Murray, D. B., J. D. White, and P. Swint. 2013. "Woody Vegetation Persistence and Disturbance in Central Texas Grasslands Inferred From Multidecadal Historical Aerial Photographs." *Rangeland Ecology & Management* 66: 297–304.

Murthy, K., A. H. Chau, M. B. Amin, and M. D. Robinson. 2013. "An Earth Imaging Camera Simulation Using Wide-scale Construction of Reflectance Surfaces." *Proc. SPIE 8889, Sensors, Systems, and Next-Generation Satellites XVII, 88891G*, Vol. 8889, edited by R. Meynart, S. P. Neeck, and H. Shimoda. doi:10.1117/12.2028432.

Núñez, M. A., F. Buill, and M. Edo. 2013. "3D Model of the Can Sadurní Cave." *Journal of Archaeological Science* 40 (12): 4420–4428.

Powell, S. L., R. L. Lawrence, K. S. Repasky, T. A. O. Dougher, and G. J. Bellante. 2013. "Aerial Detection of a Simulated CO_2 Leak from a Geologic Sequestration Site Using Hyperspectral Imagery." *International Journal of Greenhouse Gas Control* 13: 124–137.

Psilovikos, A., M. Sakellariou-Makrantonaki, and M. Elhag. 2013. "Land Use Changes and Its Impacts on Water Resources in Nile Delta Region Using Remote Sensing Techniques." *Environment, Development & Sustainability* 15 (5): 1189–1204.

Reinartz, P. 2013. "Assessment of Cartosat-1 and WorldView-2 Stereo Imagery in Combination with a LiDAR-DTM for Timber Volume Estimation in a Highly Structured Forest in Germany." *Forestry* 86 (4): 463–473.

Richter, K., D. Mader, K. Seidl, and H.-G. Maas. 2013. "Development of a Geometric Model for an All-reflective Camera System." *ISPRS Journal of Photogrammetry and Remote Sensing* 86: 41–51.

Stepper, C., R. Seitz, L. T. Waser, and C. Straub. 2013. "Potential of UltraCamX Stereo Images for Estimating Timber Volume and Basal Area at the Plot Level in Mixed European Forests." *Canadian Journal of Forest Research* 43 (8): 731–741.

Telem, G., and S. Filin. 2013. "Photogrammetric Modeling of the Relative Orientation in Underwater Environments." *ISPRS Journal of Photogrammetry and Remote Sensing* 86: 150–156.

Vöge, M., M. J. Lato, and M. S. Diederichs. 2013. "Automated Rockmass Discontinuity Mapping from 3-dimensional Surface Data." *Engineering Geology* 164: 155–162.

Westergaard-Nielsen, A., M. Lund, B. U. Hansen, and M. P. Tamstorf. 2013. "Camera Derived Vegetation Greenness Index as Proxy for Gross Primary Production in a Low Arctic Wetland Area." *ISPRS Journal of Photogrammetry and Remote Sensing* 86: 89–99. doi:10.1016/j.isprsjprs.2013.09.006.

Zasada, M., K. Stereńczak, W. M. Dudek, and A. Rybski. 2013. "Horizon Visibility and Accuracy of Stocking Determination on Circular Sample Plots Using Automated Remote Measurement Techniques." *Forest Ecology and Management* 302: 171–177.

Projections

Cardozo, N., and R. W. Allmendinger. 2013. "Spherical Projections with OSXStereonet." *Computers & Geosciences* 51: 193–205.

Remote sensing

Alian, S., V. A. Tolpekin, W. Bijker, and L. Kumar. 2014. "Identifying Curvature of Overpass Mountain Roads in Iran from High Spatial Resolution Remote Sensing Data." *International Journal of Applied Earth Observation and Geoinformation* 26: 21–25. doi:10.1016/j.jag.2013.05.002.

Babbar-Sebens, M., L. Li, K. Song, and S. Xie. 2013. "On the Use of Landsat-5 TM Satellite for Assimilating Water Temperature Observations in 3D Hydrodynamic Model of Small Inland Reservoir in Midwestern US." *Advances in Remote Sensing* 2 (3): 214–227. doi:10.4236/ars.2013.23024.

Baynard, C. W. 2013. "Remote Sensing Applications: Beyond Land-Use and Land-Cover Change." *Advances in Remote Sensing* 2 (3): 228–241. doi:10.4236/ars.2013.23025.

Bertani, T. de C., D. de F. Rossetti, and P. C. G. Albuquerque. 2013. "Object-based Classification of Vegetation and Terrain Topography in Southwestern Amazonia (Brazil) as a Tool for Detecting Ancient Fluvial Geomorphic Features." *Computers & Geosciences* 60: 41–50. doi:10.1016/j.cageo.2013.06.013.

Bhattacharya, B. K., N. Padmanabhan, S. Mahammed, R. Ramakrishnan, and J. S. Parihar. 2013. "Assessing Solar Energy Potential Using Diurnal Remote-sensing Observations from Kalpana-1 VHRR and Validation over the Indian Landmass." *International Journal of Remote Sensing* 34 (20): 7069–7090. doi:10.1080/01431161.2013.811311.

Bioucas-Dias, J. M., A. Plaza, G. Camps-Valls, P. Scheunders, N. Nasrabadi, and J. Chanussot. 2013. "Hyperspectral Remote Sensing Data Analysis and Future Challenges." *IEEE Geoscience and Remote Sensing Magazine* 1 (2): 6–36. doi:10.1109/MGRS.2013.2244672.

Broughton, R. K., R. A. Hill, S. N. Freeman, P. E. Bellamy, and S. A. Hinsley. 2012. "Describing Habitat Occupation by Woodland Birds with Territory Mapping and Remotely Sensed Data: An Example Using the Marsh Tit (Poecile Palustris)." *The Condor* 114: 812–822.

Carslaw, D. C., and G. Rhys-Tyler. 2013. "New Insights from Comprehensive On-road Measurements of NOx, NO_2 and NH_3 from Vehicle Emission Remote Sensing in London, UK." *Atmospheric Environment* 81: 339–347.

Chapman, D. S. 2013. "Greater Phenological Sensitivity to Temperature on Higher Scottish Mountains: New Insights from Remote Sensing." *Global Change Biology* 19 (11): 3463–3471.

Chen, J., T. Cui, J. Tang, and Q. Song. 2014. "Remote Sensing of Diffuse Attenuation Coefficient Using MODIS Imagery of Turbid Coastal Waters: A Case Study in Bohai Sea." *Remote Sensing of Environment* 140: 78–93.

Cipolletti, M. P., C. A. Delrieux, G. M. E. Perillo, and M. C. Piccolo. 2014. "Border Extrapolation Using Fractal Attributes in Remote Sensing Images." *Computers and Geosciences* 62: 25–34.

Cord, A. F., D. Klein, F. Mora, and S. Dech. 2014. "Comparing the Suitability of Classified Land Cover Data and Remote Sensing Variables for Modeling Distribution Patterns of Plants." *Ecological Modelling* 272: 129–140. doi:10.1016/j.ecolmodel.2013.09.011.

Cruz-Blanco, M., I. J. Lorite, and C. Santos. 2014. "An Innovative Remote Sensing Based Reference Evapotranspiration Method to Support Irrigation Water Management Under Semi-arid Conditions." *Agricultural Water Management* 131: 135–145.

Dan, Z., N. Sang, Y. He, and S. Sun. 2014. "An Improved LBP Transfer Learning for Remote Sensing Object Recognition." *Optik* 125 (1): 482–485.

Dardel, C., L. Kergoat, P. Hiernaux, E. Mougin, M. Grippa, and C. J. Tucker. 2014. "Re-greening Sahel: 30 Years of Remote Sensing Data and Field Observations (Mali, Niger)." *Remote Sensing of Environment* 140: 350–364.

Deepika, B., K. Jayappa, and K. Avinash. 2013. "Evolution of Spit Morphology: A Case Study Using a Remote Sensing and Statistical Based Approach." *Journal of Coastal Conservation (Springer Science & Business Media B.V.)* 17 (3): 327–337.

Dobbin, N. A., L. Sun, R. T. Burnett, R. V. Martin, A. Davidson, S. Cakmak, P. J. Villeneuve, et al. 2013. "Comparison of Remote Sensing and Fixed-site Monitoring Approaches for Examining Air Pollution and Health in a National Study Population." *Atmospheric Environment* 80: 161–171.

Dogliotti, A. I., V. A. Lutz, and V. Segura. 2014. "Estimation of Primary Production in the Southern Argentine Continental Shelf and Shelf-break Regions Using Field and Remote Sensing Data." *Remote Sensing of Environment* 140: 497–508.

Emengini, E. J. 2013. "Remote Sensing Technology: An Indispensable Tool For Combating Oil Pollution Via Plant Stress Response." *International Journal of Engineering Research & Technology* 2 (3): 1–10.

Engler, R., L. T. Waser, N. E. Zimmermann, M. Schaub, S. Berdos, C. Ginzler, and A. Psomas. 2013. "Combining Ensemble Modeling and Remote Sensing for Mapping Individual Tree Species at High Spatial Resolution." *Forest Ecology and Management* 310: 64–73. doi:10.1016/j.foreco.2013.07.059.

Feizi, F., and E. Mansouri. 2013. "Introducing the Iron Potential Zones Using Remote Sensing Studies in South of Qom Province, Iran." *Open Journal of Geology* 03 (04): 278–286. doi:10.4236/ojg.2013.34032.

Feizizadeh, B., and T. Blaschke. 2013. "Examining Urban Heat Island Relations to Land Use and Air Pollution: Multiple Endmember Spectral Mixture Analysis for Thermal Remote Sensing." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* 6 (3): 1749–1756. doi:10.1109/JSTARS.2013.2263425.

Ghoshal, S. 2013. "Enduring Legacy of a Toxic Fan via Episodic Redistribution of California Gold Mining Debris." *Proceedings of the National Academy of Sciences* 110 (46): 18436–18441.

Gilani, H., B. K. Pokharel, F. M. Qamer, and R. R. Niraula. 2013. "Measuring Impacts of Community Forestry Program through Repeat Photography and Satellite Remote Sensing in the Dolakha District of Nepal." *Journal of Environmental Management* 126: 20–29.

Graettinger, A. H., M. K. Ellis, I. P. Skilling, K. Reath, M. S. Ramsey, R. J. Lee, C. G. Hughes, and D. W. McGarvie. 2013. "Remote Sensing and Geologic Mapping of Glaciovolcanic Deposits in the Region Surrounding Askja (Dyngjufjöll) Volcano, Iceland." *International Journal of Remote Sensing* 34 (20): 7178–7198. doi:10.1080/01431161.2013.817716.

Guo, W., X. Zhu, T. Hu, and L. Fan. 2012. "A Multi-granularity Parallel Model for Unified Remote Sensing Image Processing WebServices." *Transactions in GIS* 16 (6): 845–866.

Hansen, M. C., A. Egorov, P. V. Potapov, S. V. Stehman, A. Tyukavina, S. A. Turubanova, D. P. Roy, et al. 2014. "Monitoring Conterminous United States (CONUS) Land Cover Change with Web-Enabled Landsat Data (WELD)." *Remote Sensing of Environment* 140: 466–484. doi:10.1016/j.rse.2013.08.014.

Hladik, C., J. Schalles, and M. Alber. 2013. "Salt Marsh Elevation and Habitat Mapping Using Hyperspectral and LIDAR Data." *Remote Sensing of Environment* 139: 318–330. doi:10.1016/j.rse.2013.08.003.

Homolová, L., Z. Malenovský, J. G. P. W. Clevers, G. García-Santos, and M. E. Schaepman. 2013. "Review of Optical-based Remote Sensing for Plant Trait Mapping." *Ecological Complexity* 15: 1–16. doi:10.1016/j.ecocom.2013.06.003.

Imran, M., A. Stein, and R. Zurita-Milla. 2014. "Investigating Rural Poverty and Marginality in Burkina Faso Using Remote Sensing-based Products." *International Journal of Applied Earth Observation and Geoinformation* 26: 322–334. doi:10.1016/j.jag.2013.08.012.

Johnson, D. M. 2014. "An Assessment of Pre- and Within-season Remotely Sensed Variables for Forecasting Corn and Soybean Yields in the United States." *Remote Sensing of Environment* 141: 116–128. doi:10.1016/j.rse.2013.10.027.

Judith, C., J. V. Schneider, M. Schmidt, R. Ortega, J. Gaviria, and G. Zizka. 2013. "Using High-resolution Remote Sensing Data for Habitat Suitability Models of Bromeliaceae in the City of Mérida, Venezuela." *Landscape and Urban Planning* 120: 107–118.

Kachelriess, D., M. Wegmann, M. Gollock, and N. Pettorelli. 2014. "The Application of Remote Sensing for Marine Protected Area Management." *Ecological Indicators* 36: 169–177.

Kennel, P., M. Tramon, N. Barbier, and G. Vincent. 2013. "Canopy Height Model Characteristics Derived from Airborne Laser Scanning and Its Effectiveness in Discriminating Various Tropical Moist Forest Types." *International Journal of Remote Sensing* 34 (24): 8917–8935. doi:10.1080/01431161.2013.858846.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Kessner, A. L., J. Wang, R. C. Levy, and P. R. Colarco. 2013. "Remote Sensing of Surface Visibility from Space: A Look at the United States East Coast." *Atmospheric Environment* 81: 136–147.

Klein, I., A. J. Dietz, U. Gessner, A. Galayeva, A. Myrzakhmetov, and C. Kuenzer. 2014. "Evaluation of Seasonal Water Body Extents in Central Asia over the Past 27 Years Derived from Medium-resolution Remote Sensing Data." *International Journal of Applied Earth Observation and Geoinformation* 26: 335–349. doi:10.1016/j.jag.2013.08.004.

Klemas, V. 2013a. "Using Remote Sensing to Select and Monitor Wetland Restoration Sites: An Overview." *Journal of Coastal Research* 29: 958–970.

Klemas, V. 2013b. "Remote Sensing of Coastal Wetland Biomass: An Overview." *Journal of Coastal Research* (5): 1016–1028.

Kratzer, S., E. T. Harvey, and P. Philipson. 2014. "The Use of Ocean Color Remote Sensing in Integrated Coastal Zone management – A Case Study from Himmerfjärden, Sweden." *Marine Policy* 43: 29–39.

Lal, R., J. Chen, V. de P. Obade, R. Lal, and J. Chen. 2013. "Remote Sensing of Soil and Water Quality in Agroecosystems." *Water, Air, & Soil Pollution* 224 (9): 1658. doi:10.1007/s11270-013-1658–2.

Lausch, A., M. Heurich, D. Gordalla, H.-J. Dobner, S. Gwillym-Margianto, and C. Salbach. 2013. "Forecasting Potential Bark Beetle Outbreaks Based on Spruce Forest Vitality Using Hyperspectral Remote-sensing Techniques at Different Scales." *Forest Ecology and Management* 308: 76–89. doi:10.1016/j.foreco.2013.07.043.

Lee, S.-J., M. L. Serre, A. van Donkelaar, R. V. Martin, R. T. Burnett, and M. Jerrett. 2012. "Comparison of Geostatistical Interpolation and Remote Sensing Techniques for Estimating Long-Term Exposure to Ambient $PM_{2.5}$ Concentrations Across the Continental United States." *Environmental Health Perspectives* 120 (12): 1727–1732.

Lin, J., R. G. Cromley, D. L. Civco, D. M. Hanink, and C. Zhang. 2013. "Evaluating the Use of Publicly Available Remotely Sensed Land Cover Data for Areal Interpolation." *GIScience & Remote Sensing* 50 (2): 212–230. doi:10.1080/15481603.2013.795304.

Litynski, J., D. Vikara, M. Webster, and R. Srivastava. 2013. "U. S. Department of Energy Efforts to Advance Remote Sensing Technologies for Monitoring Geologic Storage Operations." *Energy Procedia* 37: 4114–4127. doi:10.1016/j.egypro.2013.06.313.

Lowry, B., F. Gomez, W. Zhou, M. A. Mooney, B. Held, and J. Grasmick. 2013. "High Resolution Displacement Monitoring of a Slow Velocity Landslide Using Ground Based Radar Interferometry." *Engineering Geology* 166: 160–169. doi:10.1016/j.enggeo.2013.07.007.

Main-Knorn, M., W. B. Cohen, R. E. Kennedy, W. Grodzki, D. Pflugmacher, P. Griffiths, and P. Hostert. 2013. "Monitoring Coniferous Forest Biomass Change Using a Landsat Trajectory-based Approach." *Remote Sensing of Environment* 139: 277–290. doi:10.1016/j.rse.2013.08.010.

Martínez-López, J., M. F. Carreño, J. A. Palazón-Ferrando, J. Martínez-Fernández, and M. A. Esteve. 2014. "Remote Sensing of Plant Communities as a Tool for Assessing the Condition of Semiarid Mediterranean Saline Wetlands in Agricultural Catchments." *International Journal of Applied Earth Observation and Geoinformation* 26: 193–204. doi:10.1016/j.jag.2013.07.005.

Martinis, S., A. Twele, C. Strobl, J. Kersten, and E. Stein. 2013. "A Multi-Scale Flood Monitoring System Based on Fully Automatic MODIS and TerraSAR-X Processing Chains." *Remote Sensing* 5 (11): 5598–5619. doi:10.3390/rs5115598.

Miller, A. J. 2013. "Remote Sensing Proxies for Deforestation and Soil Degradation in Landslide Mapping: A Review." *Geography Compass* 7 (7): 489–503. doi:10.1111/gec3.12050.

Mishra, V., J. Cruise, J. Mecikalski, C. Hain, and M. Anderson. 2013. "A Remote-Sensing Driven Tool for Estimating Crop Stress and Yields." *Remote Sensing* 5 (7): 3331–3356. doi:10.3390/rs5073331.

Mostephaoui, T., R. Bensaid, and M. L. Saker. 2013. "Localization and Delimitation of the Arid Soils by Remote Sensing and In-Situ Measurements in an Arid Area: Case of Oued Djedi Watershed, Biskra, Algeria." *World Applied Sciences Journal* 24 (3): 370–382. doi:10.5829/idosi.wasj.2013.24.03.972.

Mouillot, F., M. G. Schultz, C. Yue, P. Cadule, K. Tansey, P. Ciais, and E. Chuvieco. 2014. "Ten Years of Global Burned Area Products from Spaceborne Remote sensing – A Review: Analysis of User Needs and Recommendations for Future Developments." *International Journal of Applied Earth Observation and Geoinformation* 26: 64–79. doi:10.1016/j.jag.2013.05.014.

Musselman, K. N., S. A. Margulis, and N. P. Molotch. 2013. "Estimation of Solar Direct Beam Transmittance of Conifer Canopies from Airborne LiDAR." *Remote Sensing of Environment* 136: 402–415. doi:10.1016/j.rse.2013.05.021.

Nathawat, M., S. Sinha, and L. Sharma. 2013. "Top-down and Bottom-up Inventory Approach for Above Ground Forest Biomass and Carbon Monitoring in REDD Framework Using Multi-resolution Satellite Data." *Environmental Monitoring & Assessment* 185 (10): 8621–8637.

Navratil, P., K. Kotte, H. Scholer, O. Bubenzer, and F. Low. 2013. "Remote-sensing-based Analysis of Landscape Change in the Desiccated Seabed of the Aral Sea- A Potential Tool for Assessing the Hazard Degree of Dust and Salt Storms." *Environmental Monitoring & Assessment* 185 (10): 8303–8319.

Neigh, C. S. R., R. F. Nelson, K. J. Ranson, H. A. Margolis, P. M. Montesano, G. Sun, V. Kharuk, E. Næsset, M. A. Wulder, and H.-E. Andersen. 2013. "Taking Stock of Circumboreal Forest Carbon with Ground Measurements, Airborne and Spaceborne LiDAR." *Remote Sensing of Environment* 137: 274–287. doi:10.1016/j.rse.2013.06.019.

Ottlé, C., J. Lescure, F. Maignan, B. Poulter, T. Wang, and N. Delbart. 2013. "Use of Various Remote Sensing Land Cover Products for Plant Functional Type Mapping over Siberia." *Earth System Science Data* 5 (2): 331–348. doi:10.5194/essd-5-331–2013.

Pompilio, L., P. Villa, M. Boschetti, and M. Pepe. 2013. "Spectroradiometric Field Surveys in Remote Sensing Practice: A Workflow Proposal, from Planning to Analysis." *IEEE Geoscience and Remote Sensing Magazine* 1 (2): 37–51. doi:10.1109/MGRS.2013.2261257.

Prasannakumar, N. R., S. Chander, R. N. Sahoo, and V. K. Gupta. 2013. "Assessment of Brown Planthopper, (Nilaparvata Lugens) [Stål], Damage in Rice Using Hyperspectral Remote Sensing." *International Journal of Pest Management* 59 (3): 180–188. doi:10.1080/09670874.2013.808780.

Psilovikos, A., M. Sakellariou-Makrantonaki, and M. Elhag. 2013. "Land Use Changes and Its Impacts on Water Resources in Nile Delta Region Using Remote Sensing

Techniques." *Environment, Development & Sustainability* 15 (5): 1189–1204.

Qiao, G., P. Lu, M. Scaioni, S. Xu, X. Tong, T. Feng, H. Wu, et al. 2013. "Landslide Investigation with Remote Sensing and Sensor Network: From Susceptibility Mapping and Scaled-down Simulation Towards in Situ Sensor Network Design." *Remote Sensing* 5 (9): 4319–4346. doi:10.3390/rs5094319.

Rahimzadeh-Bajgiran, P., A. A. Berg, C. Champagne, and K. Omasa. 2013. "Estimation of Soil Moisture Using Optical/thermal Infrared Remote Sensing in the Canadian Prairies." *ISPRS Journal of Photogrammetry and Remote Sensing* 83: 94–103. doi:10.1016/j.isprsjprs.2013.06.004.

Rautji, S., D. Gaur, and K. Khare. 2013. "Immersive 3D Visualization of Remote Sensing Data." *Signal & Image Processing: An International Journal* 4 (5): 61–73.

Rogge, D., M. Bachmann, B. Rivard, A. A. Nielsen, and J. Feng. 2014. "A Spatial–Spectral Approach for Deriving High Signal Quality Eigenvectors for Remote Sensing Image Transformations." *International Journal of Applied Earth Observation and Geoinformation* 26: 387–398. doi:10.1016/j.jag.2013.09.007.

Romshoo, S., T. Vijayalakshmi, and I. Rashid. 2013. "Geospatial Modelling Approach for Identifying Disturbance Regimes and Biodiversity Rich Areas in North Western Himalayas, India." *Biodiversity & Conservation* 22 (11): 2537–2566.

Sakai, T., K. Moriya, L. Koyama, C. Cao, and W. Chen. 2013. "Estimation of Vegetation Coverage in Semi-arid Sandy Land Based on Multivariate Statistical Modeling Using Remote Sensing Data." *Environmental Modeling & Assessment* 18 (5): 547–558.

Schmid, T., C. Rico, M. Rodriguez-Rastrero, M. J. Sierra, F. J. Diaz-Puente, M. Pelayo, R. Millan. 2013. "Monitoring of the Mercury Mining Site Almaden Implementing Remote Sensing Technologies." *Environmental Research* 125: 92–102.

Seid, N. M., B. Yitaferu, K. Kibret, and F. Ziadat. 2013. "Soil-Landscape Modeling and Remote Sensing to Provide Spatial Representation of Soil Attributes for an Ethiopian Watershed." *Applied and Environmental Soil Science* 2013: 1–11. doi:10.1155/2013/798094.

Solberg, S., R. Astrup, and D. Weydahl. 2013. "Detection of Forest Clear-Cuts with Shuttle Radar Topography Mission (SRTM) and Tandem-X InSAR Data." *Remote Sensing* 5 (11): 5449–5462. doi:10.3390/rs5115449.

Solbrig, J. E., and T. E. Lee. 2013. "Advances in Remote Sensing: Imaging the Earth by Moonlight." *Eos, Transactions American Geophysical Union* 94 (40): 349–360. doi:10.1002/2013EO40.

Svoray, T., A. Perevolotsky, and P. M. Atkinson. 2013. "Ecological Sustainability in Rangelands: The Contribution of Remote Sensing." *International Journal of Remote Sensing* 34 (17): 6216–6242. doi:10.1080/01431161.2013.793867.

Teke, M., H. S. Deveci, O. Haliloglu, S. Z. Gurbuz, and U. Sakarya. 2013. "A Short Survey of Hyperspectral Remote Sensing Applications in Agriculture." *2013 6th International Conference on Recent Advances in Space Technologies (RAST)*, 171–176. IEEE. doi:10.1109/RAST.2013.6581194.

Tipton, J., J. Opsomer, and G. Moisen. 2013. "Properties of Endogenous Post-Stratified Estimation Using Remote Sensing Data." *Remote Sensing of Environment* 139: 130–137.

Ueyama, M., K. Ichii, H. Iwata, E. S. Euskirchen, D. Zona, A. V. Rocha, Y. Harazono, C. Iwama, T. Nakai, and W. C. Oechel. 2013. "Upscaling Terrestrial Carbon Dioxide Fluxes in Alaska with Satellite Remote Sensing and Support Vector Regression." *Journal of Geophysical Research: Biogeosciences* 118 (3): 1266–1281. doi:10.1002/jgrg.20095.

Vasko, A. 2013. "Remote Sensing Multispectral Imagery Processing in Farmland Inventory." *Journal of Information, Control and Management Systems* 11 (1): 43–50.

Wang, H., and G. Jia. 2013. "Regional Estimates of Evapotranspiration over Northern China Using a Remote-sensing-based Triangle Interpolation Method." *Advances in Atmospheric Sciences* 30 (5): 1479–1490. doi:10.1007/s00376-013-2294–x.

Wang, K., J. Mao, R. Dickinson, X. Shi, W. Post, Z. Zhu, and R. Myneni. 2013. "Evaluation of CLM4 Solar Radiation Partitioning Scheme Using Remote Sensing and Site Level FPAR Datasets." *Remote Sensing* 5 (6): 2857–2882. doi:10.3390/rs5062857.

Williams, K., M. Olsen, G. Roe, and C. Glennie. 2013. "Synthesis of Transportation Applications of Mobile LIDAR." *Remote Sensing* 5 (9): 4652–4692. doi:10.3390/rs5094652.

Xin, Q., P. Gong, C. Yu, L. Yu, M. Broich, A. Suyker, and R. Myneni. 2013. "A Production Efficiency Model-Based Method for Satellite Estimates of Corn and Soybean Yields in the Midwestern US." *Remote Sensing* 5 (11): 5926–5943. doi:10.3390/rs5115926.

Yebra, M., P. E. Dennison, E. Chuvieco, D. Riaño, P. Zylstra, E. R. Hunt, F. M. Danson, Y. Qi, and S. Jurdao. 2013. "A Global Review of Remote Sensing of Live Fuel Moisture Content for Fire Danger Assessment: Moving Towards Operational Products." *Remote Sensing of Environment* 136: 455–468. doi:10.1016/j.rse.2013.05.029.

Zhao, X., P. Xu, T. Zhou, Q. Li, and D. Wu. 2013. "Distribution and Variation of Forests in China from 2001 to 2011: A Study Based on Remotely Sensed Data." *Forests* 4 (3): 632–649. doi:10.3390/f4030632.

Zheng, S., C. Cao, Y. Dang, H. Xiang, J. Zhao, Y. Zhang, X. Wang, and H. Guo. 2013. "Retrieval of Forest Growing Stock Volume by Two Different Methods Using Landsat TM Images." *International Journal of Remote Sensing* 35 (1): 29–43. doi:10.1080/01431161.2013.860567.

Zhou, Y., Y. Zhang, J. Vaze, P. Lane, and S. Xu. 2013. "Improving Runoff Estimates Using Remote Sensing Vegetation Data for Bushfire Impacted Catchments." *Agricultural and Forest Meteorology* 182–183: 332–341.

Zhuang, Q., J.-S. He, T. Luo, Y. Shi, and Z. Jin. 2013. "Phenology Shift from 1989 to 2008 on the Tibetan Plateau: An Analysis with a Process-based Soil Physical Model and Remote Sensing Data." *Climatic Change* 119 (2): 435–449.

Urban systems

Al-Kodmany, K. 2013. "Crowd Management and Urban Design: New Scientific Approaches." *Urban Design International* 18 (4): 282–295.

Bar-Massada, A., S. I. Stewart, R. B. Hammer, M. H. Mockrin, and V. C. Radeloff. 2013. "Using Structure Locations as a Basis for Mapping the Wildland Urban Interface." *Journal of Environmental Management* 128: 540–7. doi:10.1016/j.jenvman.2013.06.021.

Baur, R., E. Csaplovics, and L. Inostroza. 2013. "Urban Sprawl and Fragmentation in Latin America: ADynamic Quantification and Characterization of Spatial Patterns." *Journal of Environmental Management* 115: 87–97.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Bowman, D. M. J. S., J. A. O'Brien, and J. G. Goldammer.2013. "Pyrogeography and the Global Quest for Sustainable Fire Management." *Annual Review of Environment & Resources* 38 (1): 57–80.

Chang, Y.-C., and T.-T. Ko. 2014. "An Interactive Dynamic Multi-objective Programming Model to Support Better Land Use Planning." *Land Use Policy* 36: 13–22.

Chang, Z., and S. Li. 2013. "Geo-Social Model." *Transactions in GIS* 17 (2): 182–205.

Dupuy, G. 2013. "Network Geometry and the Urban Railway System: The Potential Benefits to Geographers of Harnessing Inputs from 'naive' Outsiders." *Journal of Transport Geography* 33: 85–94.

Fares, S., F. Manes, A. Morani, G. Sgrigna, F. Loreto, and C. Calfapietra. 2013. "Role of Biogenic Volatile Organic Compounds (BVOC) Emitted by Urban Trees on Ozone Concentration in Cities: A Review." *Environmental Pollution* 183: 71–80.

Fernando, H. J. S., and S.-M. Lee. 2013. "Dispersion of an Urban Photochemical Plume in Phoenix Metropolitan Area." *Atmospheric Environment* 80: 152–160.

Hebel, M., M. Arens, and U. Stilla. 2013. "Change Detection in Urban Areas by Object-based Analysis and on-the-fly Comparison of Multi-view ALS Data." *ISPRS Journal of Photogrammetry and Remote Sensing* 86: 52–64. doi:10.1016/j.isprsjprs.2013.09.005.

Hochmair, H. H., F. Tonini, and R. H. Scheffrahn. 2013. "The Role of Geographic Information Systems for Analyzing Infestations and Spread Of Invasive Termites (Isoptera: Rhinotermitidae And Termitidae) in Urban South Florida." *Florida Entomologist* 96: 746–755.

Jerrett, M., J. Su, R. T. Burnett, H. Chen, J. Brook, A. J. Wheeler, S. Cakmak, M. S. Goldberg, and P. J. Villeneuve. 2013. "A Cohort Study of Intra-urban Variations in Volatile Organic Compounds and Mortality, Toronto, Canada." *Environmental Pollution* 183: 30–39.

Jordá-Borrell, R., F. Ruiz-Rodríguez, and Á. L. Lucendo-Monedero. 2014. "Factor Analysis and Geographic Information System for Determining Probability Areas of Presence of Illegal Landfills." *Ecological Indicators* 37 (Part A): 151–160.

Joseph, M., F. Wang, and L. Wang. 2014. "GIS-based Assessment of Urban Environmental Quality in Port-au-Prince, Haiti." *Habitat International* 41: 33–40. doi:10.1016/j.habitatint.2013.06.009.

Kawasaki, A., M. L. Berman, and W. Guan. 2013. "The Growing Role of Web-based Geospatial Technology in Disaster Response and Support." *Disasters* 37 (2): 201–221.

Kremer, P., Z. A. Hamstead, and T. McPhearson. 2013. "A Social–ecological Assessment of Vacant Lots in New York City." *Landscape and Urban Planning* 120: 218–233.

Liu, G., Z. Yang, B. Chen, and S. Ulgiati. 2014. "Emergy-based Dynamic Mechanisms of Urban Development, Resource Consumption and Environmental Impacts." *Ecological Modelling* 271: 90–102.

Liu, X., B. Derudder, and P. Taylor. 2014. "Mapping the Evolution of Hierarchical and Regional Tendencies in the World City Network, 2000–2010." *Computers, Environment and Urban Systems* 43: 51–66.

Long, R., H. Chen, and T. Yue. 2013. "Factors Influencing Energy-saving Behavior of Urban Households in Jiangsu Province." *Energy Policy* 62: 665–675.

López-Pacheco, M. G., L. P. Sánchez-Fernández, and H. Molina-Lozano. 2014. "A Method for Environmental Acoustic Analysis Improvement Based on Individual Evaluation of Common Sources in Urban Areas." *Science of the Total Environment* 468–469: 724–737.

Malhotra, R., G. Virk, F. Nwoko, and A. Klepper. 2013. "Web-Based Geospatial Technology Tools for Metropolitan Planning Organizations." *Southeastern Geographer* 53 (3): 296–309. doi:10.1353/sgo.2013.0027.

Manders, A., M. Schaap, L. H. van Ulft, E. van Meijgaard, P. Builtjes, and A. Mues. 2013. "Differences in Particulate Matter Concentrations Between Urban and Rural Regions Under Current and Changing Climate Conditions." *Atmospheric Environment* 80: 232–247.

Manuel, A., K. El-Basyouny, and M. T. Islam. 2014. "Investigating the Safety Effects of Road Width on Urban Collector Roadways." *Safety Science* 62: 305–311.

Mouri, G., S. Takizawa, K. Fukushi, and T. Oki. 2013. "Estimation of the Effects of Chemically-enhanced Treatment of Urban Sewage System Based on Life-cycle Management." *Sustainable Cities and Society* 9: 23–31.

Qin, H.-P., Z.-X. Li, and G. Fu. 2013. "The Effects of Low Impact Development on Urban Flooding Under Different Rainfall Characteristics." *Journal of Environmental Management* 129: 577–585.

Qureshi, S., D. Haase, and R. Coles. 2014. "The Theorized Urban Gradient (TUG) Method – A Conceptual Framework for Socio-ecological Sampling in Complex Urban Agglomerations." *Ecological Indicators* 36: 100–110.

Raanan, M. G., and N. Shoval. 2014. "Mental Maps Compared to Actual Spatial Behavior Using GPS Data: A New Method for Investigating Segregation in Cities." *Cities* 36: 28–40. doi:10.1016/j.cities.2013.09.003.

Raje, S., R. Kertesz, K. Maccarone, K. Seltzer, M. Siminari, P. Simms, B. Wood, and J. Sansalone. 2013. "Retrofitting Impervious Urban Infrastructure with Green Technology for Rainfall-runoff Restoration, Indirect Reuse and Pollution Load Reduction." *Environmental Pollution* 183: 204–212.

Richards-Rissetto, H., and K. Landau. 2014. "Movement as a Means of Social (re)production: Using GIS to Measure Social Integration Across Urban Landscapes." *Journal of Archaeological Science* 41: 365–375.

Romano, B., and F. Zullo. 2014. "The Urban Transformation of Italy's Adriatic Coastal Strip: Fifty Years of Unsustainability." *Land Use Policy* 38: 26–36. doi:10.1016/j.landusepol.2013.10.001.

Rossi, C., and S. Gernhardt. 2013. "Urban DEM Generation, Analysis and Enhancements Using TanDEM-X." *ISPRS Journal of Photogrammetry and Remote Sensing* 85: 120–131. doi:10.1016/j.isprsjprs.2013.08.006.

Ryu, B. Y., H. J. Jung, S. H. Bae, and C. U. Choi. 2013. "Estimation of Carbon Dioxide Emissions Per Urban Center Link Unit Using Data Collected by the Advanced Traffic Information System in Daejeon, Korea." *Atmospheric Environment* 81: 433–442.

Stergiouli, M. L., and K. Hadjibiros. 2012. "The Growing Water Imprint of Athens (Greece) Throughout History." *Regional Environmental Change* 12 (2): 337–345.

Tian, G., and Z. Qiao. 2014. "Assessing the Impact of the Urbanization Process on Net Primary Productivity in China in 1989–2000." *Environmental Pollution* 184: 320–326.

Venter, C. J., and J. W. Joubert. 2013. "Use of Multisource Global Positioning System Data to Characterize Multiday Driving Patterns and Fuel Usage in a Large Urban Region." *Transportation Research Record: Journal of the Transportation Research Board* 2338 (1): 1–10. doi:10.3141/2338–01.

Wang, D.-L., E.-J. Yao, Y. Yang, and Y.-S. Zhang. 2014. "Modeling Passenger Flow Distribution Based on Disaggregate Model for Urban Rail Transit." *Advances in Intelligent Systems and Computing* 215: 715–723.

Wania, A., T. Kemper, D. Tiede, and P. Zeil. 2014. "Mapping Recent Built-up Area Changes in the City of Harare with High Resolution Satellite Imagery." *Applied Geography* 46: 35–44. doi:10.1016/j.apgeog.2013.10.005.

Xiang, W.-N. 2014. "Doing Real and Permanent Good in Landscape and Urban Planning: Ecological Wisdom for Urban Sustainability." *Landscape and Urban Planning* 121: 65–69. doi:10.1016/j.landurbplan.2013.09.008.

Xu, X., and X. Min. 2013. "Quantifying Spatiotemporal Patterns of Urban Expansion in China Using Remote Sensing Data." *Cities* 35: 104–113.

Zhang, Y., H. Liu, and B. D. Fath. 2014. "Synergism Analysis of an Urban Metabolic System: Model Development and a Case Study for Beijing, China." *Ecological Modelling* 272: 188–197.

Zheng, H. W., G. Q. Shen, and H. Wang. 2014. "A Review of Recent Studies on Sustainable Urban Renewal." *Habitat International* 41: 272–279.

Downloaded by [USGS Libraries Program] at 14:41 26 February 2014

Visualization

Billinghurst, M. 2013. "A Study of User Perception, Interface Performance, and Actual Usage of Mobile Pedestrian Navigation Aides." *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* 57 (1): 1958–1962.

Birkenholtz, T. 2012. "Network Political Ecology: Method and Theory in Climate Change Vulnerability and Adaptation Research." *Progress in Human Geography* 36 (3): 295–315.

Cai, Y. D., C. Brown, I. Ahmed, Y. Atouba, A. Pilny, and M. S. Poole. 2013. "SocialMapExplorer." *Proceedings of the Conference on Extreme Science and Engineering Discovery Environment Gateway to Discovery – XSEDE '13*, 1. New York: ACM Press. doi:10.1145/2484762.2484805.

Chen, X., and J. Clark. 2013. "Interactive Three-dimensional Geovisualization of Space-time Access to Food." *Applied Geography* 43: 81–86.

Eide, A. W., and K. Stolen. 2012. "Geographic Visualization of Risk as Decision Support in Emergency Situations." 2012 5th International Conference on Human System Interactions, 81–88. IEEE. doi:10.1109/HSI.2012.39.

Enguehard, R. A., O. Hoeber, and R. Devillers. 2013. "Interactive Exploration of Movement Data: A Case Study of Geovisual Analytics for Fishing Vessel Analysis." *Information Visualization* 12 (1): 65–84.

Gemmell, A. L., G. H. Griffiths, K. Haines, A. Santokhee, X. Yang, and J. D. Blower. 2013. "A Web Map Service Implementation for the Visualization of Multidimensional Gridded Environmental Data." *Environmental Modelling & Software* 47: 218–224.

Hagenlocher, M., E. Delmelle, I. Casas, and S. Kienberger. 2013. "Assessing Socioeconomic Vulnerability to Dengue Fever in Cali, Colombia: Statistical Vs Expert-based Modeling." *International Journal of Health Geographics* 12 (1): 36. doi:10.1186/1476-072X–12–36.

Kim, S., R. Maciejewski, A. Malik, Y. Jang, D. S. Ebert, and T. Isenberg. 2013. "Bristle Maps: A Multivariate Abstraction Technique for Geovisualization." *IEEE Transactions on Visualization and Computer Graphics* 19 (9): 1438–1454.

Kosnikov, Y. 2013. "Application of Radial Basis Functions in Scientific Vizualization." *Scientific Visualization* 5 (1): 38–47.

Ludden, T. 2013. "Trajectories of Multidimensional Neighbourhood Quality of Life Change." *Urban Studies* 50 (5):923–941.

Nagel, T., J. Klerkx, A. V. Moere, and E. Duval. 2013. "Unfolding – A Library for Interactive Maps." Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7946 LNCS: 497–513.

Roth, R. E. 2013. "An Empirically-derived Taxonomy of Interaction Primitives for Interactive Cartography and Geovisualization." *IEEE Transactions on Visualization and Computer Graphics* 19 (12): 2356–2365.

Schreiber, F. 2013. "Exploring Biological Data: Mappings Between Ontology- and Cluster-based Representations." *Information Visualization* 12 (3–4): 291–307.

Shen, Y., M.-P. Kwan, and Y. Chai. 2013. "Investigating Commuting Flexibility with GPS Data and 3D Geovisualization: A Case Study of Beijing, China." *Journal of Transport Geography* 32: 1–11.

Thibaud, R., G. Del Mondo, T. Garlan, A. Mascret, and C. Carpentier. 2013. "A Spatio-Temporal Graph Model for Marine Dune Dynamics Analysis and Representation." *Transactions in GIS* 17 (5): 742–762.

Van de Weghe, N. 2012. "Interactive Analysis of Time Intervals in a Two-dimensional Space." *Information Visualization* 11 (4): 255–272.

Zeng, W., C.-W. Fu, S. M. Arisona, and H. Qu. 2013. "Visualizing Interchange Patterns in Massive Movement Data." *Computer Graphics Forum* 32 (3): 271–280.