

Complete List of References

Abbas, M.K. and Qadeer-ul-Hasan. (2015). "Economic power generation for an off-grid site in Pakistan" in 2015 Power Generation System and Renewable Energy Technologies (PGSRET) (Islamabad: IEEE), 1-6.

Abrahams, A. (2015). Improving the Granularity of Nighttime Lights Satellite Imagery. Washington DC: World Bank Group.

Abubakar, A.J., Hashim, M., and Pour, A.B. (2017). Identification of hydrothermal alteration minerals associated with geothermal system using ASTER and Hyperion satellite data: a case study from Yankari Park, NE Nigeria. Geocarto International, 34:6, 597-625.

ACP-EU Natural Disaster Risk Reduction Program. (2016). "9.4 Damage Assessment Using High Resolution Imagery/Activation of International Charter of Space and Major Disasters for Post Disaster Relief and Response" in Caribbean Handbook on Risk Information Management (Washington DC: World Bank Group).

Adkins, J.E., Modi, V., Sherpa, S., Han, R., Kocaman, A.S., Zhao, N., Natali, C., and Carbajal, J. (2017). "A geospatial framework for electrification planning in developing countries" in 2017 IEEE Global Humanitarian Technology Conference (GHTC) (Seattle, Washington: IEEE), 1-10.

Adler, R.F., Wu, H., and Tian, Y. (2013). An Improved Global Flood Forecasting System Using Satellite Rainfall Information and a Hydrological Model. AGU Fall Meeting Abstracts, H51P-04.

Ahlborg, H. and Hammar, L. (2014). Drivers and barriers to rural electrification in Tanzania and Mozambique–Grid-extension, off-grid, and renewable energy technologies. Renewable Energy, 61, 117-124.

Akhmetov, A. and Vundo, A. (2017). Assessment of the Driving Factors Affecting Electricity Consumption in Africa Using Index Decomposition Analysis and Satellite Derived Data. Engineering Journal, 22:1, 27-48.

Alfieri, L., Cohen, S., Galantowicz, J., Schumann, G.J-P., Trigg, M.A., Zsoter, E., et al. (2018). A global network for operational flood risk reduction. Environmental Science & Policy, 84, 149-158.

Alonso-Montesinos, J. and Batlles, F.J. (2015). Solar radiation forecasting in the short- and medium-term under all sky conditions. Energy, 83:1, 387-393.

Alsop, A., Silwal, K., Pradhan, A., Strachan, S., and Eales, A. (2018). "An assessment of the off-grid small wind power potential in Nepal" presented at the 5th International Conference on Developments in Renewable Energy Technology (Dhulikhel, Nepal).

Altan, O. (2011). "Key scientific issues of present day disaster management scenario" presented at 2011 XXXth URSI General Assembly and Scientific Symposium (Istanbul, Turkey).

Altaweel, M. (2018). Black Marble: Nighttime Lights Data from NASA, GIS Lounge.

Ambrosia, V., Myers, J., and Hildum, E. (2011). "NASA's Autonomous Modular Scanner (AMS) – Wildfire Sensor: Improving Wildfire Observations from Airborne Platforms" presented at the 34th International Symposium on Remote Sensing of Environment (Sydney, Australia).

Anderson, K., Ryan, B., Sonntag, W., Kavvada, A., and Friedl, L. (2017). Earth observation in service of the 2030 Agenda for Sustainable Development. Geo-spatial Information Science, 20:2, 77-96.

Angelou, N., Gabriela, E. A., Banerjee, S.G., Bhatia, M., Bushueva, I., Inon, J.G., Jaques Goldenberg, I., Portale, E., and Sarkar, A. (2013). Executive summary. Sustainable energy for all. Washington DC: World Bank Group.

Areizaga, J., Sano, M., Medina, R., and Juanes, J. (2012). Improving public engagement in ICZM: A practical approach. Journal of Environmental Management, 109, 123-135.

Arnaiz, M., Cochrane, T.A., Dudley Ward, N.F., and Chang, T.L. (2018). Facilitating universal energy access for developing countries with micro-hydropower: Insights from Nepal, Bolivia, Cambodia and the Philippines. Research & Social Science, 46, 356-367.

Asian Development Bank. (2014). Satellite Data Bring Innovation to Development. Manila: ADB.

Asian Development Bank. (2017). Bangladesh: Bangladesh Power System Enhancement and Efficiency Improvement Project: Initial Environmental Examination. Manila: ADB.

Barneveld, H., Silander, J., Sane, M., and Malnes, E. (2008). "Application of satellite data for improved flood forecasting and mapping" presented at 4th International Symposium on Flood Defence: Managing Flood Risk, Reliability and Vulnerability (Toronto, Ontario, Canada).

Bartalis, Z. (2013). "Earth Observation and Renewable Energy" presented at ESMAP Knowledge Exchange Forum (The Hague, Netherlands).

Barton, T.M. (2015). The Routine Disaster: A Case Study in El Salvador. Masters thesis. Michigan Technological Institute, Houghton, Michigan.

Bazilchuk, N. (2018). Land Under Water: Estimating Hydropower's Land Use Impacts. Greenbelt, Maryland: NASA.

Bell, D., Gray, T., Haggett, C., and Swaffield, J. (2013). Re-visiting the 'Social Gap': Public Opinion and Relations of Power in the Local Politics of Wind Energy. Environmental Politics, 22:1, 115-135

Bertheau, P., Cader, C., and Blechinger, P. (2016). Electrification modelling for Nigeria. Energy Procedia, 93, 108-112.

Bertheau, P., Oyewo, A.S., Cader, C., Breyer, C., and Blechinger, P. (2017). Visualizing National Electrification Scenarios for Sub-Saharan African Countries. Energies, 10:11, 1899-1919.

Bertinelli, L. and Strobl, E. (2013). Quantifying the Local Economic Growth Impact of Hurricane Strikes: An Analysis from Outer Space for the Caribbean. Journal of Applied Meteorology and Climatology, 52, 1688-1697.

Bevington, J., Pyatt, S., Hill, A., Honey, M., Adams, B., Davidson, R. et al. (2010). Uncovering Community Disruption Using Remote Sensing: An Assessment of Early Recovery in Post-earthquake Haiti. Newark, Delaware: University of Delaware, Disaster Research Center.

Bhadra, B., Gunasekaran, A., Salunkhe, S., and Jeyasellan, A.T. (2015). "Snowmelt Runoff Modeling and its Implications in Hydropower Potential Assessment in Dhauliganga Catchment of Pithoragarh District, Uttarakhand" in Frontiers of Earth Science, eds. Shrivastava, K.L. and Srivastava P.K. (Jodhpur, India: Scientific Publishers), 343-354.

Bindra, S.P., Soul, F., Jabu, S.D., Allawafi, A., Belashher, A.M., Reani, H., Abulifa, S., and Hammuda, K. (2015). "Potentials and Prospects of Renewables in Libya" in Progress in Clean Energy Volume 2, eds. I. Dincer, C. Colpan, O. Kizilkan, and M. Ezan (Cham: Springer), 851-861.

BloombergNEF. (2018). Climatescope: Emerging Markets Outlook 2018. Energy transition in the world's fastest growing economies. London: BloombergNEF.

Borang, F., Jagers, S., and Povitkina, M. (2016). How corruption shapes the relationship between democracy and electrification. QoG Working Paper Series 14. Gothenburg: University of Gothenburg.

Borneman, E. (2016). Using Machine Learning to Map Poverty from Satellite Imagery. Santa Clara, California: GIS Lounge.

Borofsky, Y., Pérez-Arriaga, I., and Stoner, R. (2017). A model for better electrification planning. ABB Review, 2, 23-27.

Braitenberg, C., Hirt, C., and Bucha, B. (2015). Global Gravity Maps in Support to Geothermal Energy Sourcing. <u>http://www.lithoflex.org/IRENA/</u>

Brown, D., Platt, S., Bevington, J., Saito, K., Adams, B., Chenvidyakarn, T., Spence, R., Chuenpagdee, R., and Khan, A. (2010). "Monitoring and Evaluating Post-Disaster Recovery Using High-Resolution Satellite Imagery – Towards Standardised Indicators for Post-Disaster Recovery" presented at 8th International Workshop on Remote Sensing for Disaster Applications (Tokyo: Japan).

Brown, M.E., Escobar, V.M., Aschbacher, J., Milagro-Pérez, M.P., Doorn, B., Macauley, M.K., and Friedl, L. (2013). Policy for robust space-based earth science, technology and applications. Space Policy, 29:1, 76-82.

Bruederle, A., and Hodler, R. (2018). Nighttime lights as a proxy for human development at the local level. PloS ONE, 13:9, e0202231.

Butler, C., Parkhill, K., and Pidgeon, N. (2011). "From the material to the imagined: Public engagement with low carbon technologies in a nuclear community" in Renewable Energy and the Public: From NIMBY to Participation, ed. P. Devine-Wright (London, Washington DC: Earthscan), 301-316.

Cabrera, W., Benhaddou, D., and Ordonez, C. (2016). "Solar Power Prediction for Smart Community Microgrid" in 2016 IEEE International Conference on Smart Computing (SMARTCOMP) (Washington DC: IEEE), 1-6.

Cader, C., Bertheau, P., and Breyer, C. (2014). "Decentralized Renewable Off-Grid Solutions Versus Grid Extension in Developing Regions – Necessary Criteria for a Spatial Analysis of Key Drivers" presented at 7th International Conference on PV-Hybrids and Mini-Grids (Bad Hersfeld, Germany).

Cader, C., Hlusiak, M., and Breyer, C. (2013). "High-resolution global cost advantages of standalone small-scale hybrid PV-Battery-Diesel Systems" in Proceedings of the 2nd International Conference on Micro Perspectives for Decentralized Energy Supply, eds. M. Schafer, N. Kebir, and D. Philipp (Berlin, Germany), 121-124.

Cader, C., Pelz, S., Radu, A., and Blechinger, P. (2018). Overcoming data scarcity for energy access planning with open data. The example of Tanzania. International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences, 42, 24-26.

Cader, C., Radu, A., Bertheau, P., and Blechinger, P. (2018). "Remote Sensing Techniques for Village Identification: Improved Electrification Planning for Zambia" in Africa-EU Renewable Energy Research and Innovation Symposium 2018, eds. M. Mpholo, D. Steuerwald, and T. Kukeera (Cham, Switzerland: Springer), 91-96.

Cai, G., Du, M., and Xue, Y. (2011). Monitoring of urban heat island effect in Beijing combining ASTER and TM data. International Journal of Remote Sensing, 32:5, 1213-1232.

Carby, B., Burrell, D., and Samuels, C. (2012). Jamaica: Country Document on Disaster Risk Reduction. Kingston, Jamaica: Disaster Risk Reduction Centre, University of West Indies.

Carpenter Jr, R.L., Shaw, B.L., and Dam, Q.B. (2012). "Weather information for Smart Grids" presented at 3rd Conference on Weather, Climate, and New Energy Economy (New Orleans, Louisiana).

Carter, N.T. (2013). Energy-Water Nexus: The Energy Sector's Water Use. Congressional Research Service. Washington DC: Congressional Research Service.

Catalina, A., Torres-Barrán, A., Alaíz, C.M., and Dorronsoro, J.R. (2019). Machine Learning Nowcasting of PV Energy Using Satellite Data. Neural Processing Letters, 1-19.

Central Electricity Authority. (2002). Best Practices on Survey and Investigations of Hydro Electric Projects. New Delhi: India.

Chan, HP., Chang, CP., and Dao, P.D. (2018). Geothermal Anomaly Mapping Using Landsat ETM+ Data in Ilan Plain, Northeastern Taiwan . Pure Appl. Geophys., 175:1, 303-323.

Chand, J. (2013). Geographical Analysis of Kashang Hydroelectric Project in Kinnaur District, HP-A Case Study. International Referred Online Research Journal, XV, 17-29.

Chandler, D. (2015). Satellite imagery can aid development projects. Cambridge, Massachusetts: MIT Energy Initiative.

Chang, R., Rong, Z., Badger, M., Hasager, C.B., Xing, X., and Jian, Y. (2015). Offshore Wind Resources Assessment from Multiple Satellite Data and WRF Modeling over South China Sea. Remote Sensing, 7:1, 467-487.

Chauhan, A. and Saini, R. P. (2015). Renewable energy based off-grid rural electrification in Uttarakhand state of India: Technology options, modelling method, barriers and recommendations. Renewable and Sustainable Energy Reviews, 51, 662-681.

Cho, K., Wakabayashi, H., Yang, C.H., Soergel, U., Laranas, Ch., Baltsavias, E., Rupnik, E., Nex, F., and Remondino, F. (2014). "RapidMap project for disaster monitoring" presented at 35th Asian Conference on Remote Sensing (Nay Pyi Taw, Myanmar).

Christiansen, M.B. and Hasager, C.B. (2006). Wind energy applications of synthetic aperture radar. Roskilde, Denmark: Riso National Laboratory.

Christidis, T., Lewis, G., and Bigelow, P. (2017). Understanding support and opposition to wind turbine development in Ontario, Canada and assessing possible steps for future development. Renewable Energy, 112, 93-103.

Cohn, L. (2015). Microgrid Developer Serves as Private Utility in Kenya. Westborough, Massachusetts: Microgrid Knowledge.

Cole, T. A., Wanik, D. W., Molthan, A. L., Román, M. O., and Griffin, R. E. (2017). Synergistic use of nighttime satellite data, electric utility infrastructure, and ambient population to improve power outage detections in urban areas. Remote Sensing, 9:3, 286-305.

Committee on Earth Observation Satellites (CEOS). (2013). GEOSS Architecture for the Use of Remote Sensing Products in Disaster Management and Risk Assessment. (Rome, Italy: CEOS).

Connell, D.J. (2015). Production of semi-real time media-GIS contents of natural disasters using MODIS satellite data. Doctoral dissertation. University of Southern Queensland, Toowoomba, Australia.

Cook, N., Campbell, R.J., Brown, P., and Ratner, M. (2015). Powering Africa: Challenges of and U.S. Aid for Electrification in Africa. Washington: Congressional Research Service.

Cornejo-Bueno, L., Casanova-Mateo, C., Sanz-Justo, J., and Salcedo-Sanz, S. (2019). Machine learning regressors for solar radiation estimation from satellite data. Solar Energy, 183, 768-775.

Coscieme, L., Pulselli, F.M., Bastianoni, S., Elvidge, C.D., Anderson, S., and Sutton, P.C. (2014). A Thermodynamic Geography: Night-Time Satellite Imagery as a Proxy Measure of Emergy. AMBIO, 43:7, 969-979.

Coskun, H.G., Alganci, U., Eris, E., Agiraliouglu, N., Cigizoglu, H.K., Yilmaz, L., and Toprak, Z.F. (2010). Remote Sensing and GIS Innovation with Hydrologic Modelling for Hydroelectric Power Plant (HPP) in Poorly Gauged Basins. Water Resources Management, 24:14, 3757-3772.

Cruz, J.F. (2014). Demonstrating the integration of ground-based monitoring and satellite remote sensing for forecasting landslides and flooding hazards in volcanic terrains. Washington DC: National Academies of Sciences, Engineering, Medicine.

da Silva, R.C, de Marchi Neto, I., Seifert, S.S. (2016). Electricity supply security and the future role of renewable energy sources in Brazil. Renewable and Sustainable Energy Reviews, 59, 328-341.

Datta, A. and Mohanty, P. (2013). "Enterprise GIS and Smart Electric Grid for India's power sector" in 2013 IEEE PES Innovative Smart Grid Technologies Conference (ISGT) (Washington, DC: IEEE), 1-7.

Dempsy, C. (2018). Using Machine Learning to Speed Up Electrical Grid Mapping. Santa Clara, California: GIS Lounge.

Deng, F., Hossain, S., Jhaveri, P., Meuser, A., Harshvardhan, S., Squillace, J., Thakker, A., Wong, B., and You, X. (2017). Automating Electricity Access Prediction with Satellite Imagery. Durhamm North Carolina: Duke University Energy Initiative.

DevelopmentSEED. (2018). Mapping the electric grid. Using ML to augment human tracing of HV infrastructure. Washington: World Bank.

DevelopmentSEED. (2019). Nighttime Lights: Monitor rural electrification in 600,000 villages over twenty years. From space. Washington: World Bank.

Devine-Wright, P. (2010). Public engagement with large-scale renewable energy technologies: breaking the cycle of NIMBYism. Wiley Interdisciplinary Reviews: Climate Change, 2:1, 19-26.

Diagne, H.M., Lauret, P., and David, M. (2012). "Solar irradiation forecasting: state-of-the-art and proposition for future developments for small-scale insular grids" presented at WREF 2012 – World Renewable Energy Forum (Denver, Colorado).

Diemuodeke, E. O., Addo, A., Dabipi-Kalio, I., Oko, C. O. C., and Mulugetta, Y. (2017). Domestic energy demand assessment of coastline rural communities with solar electrification. Energy and Policy Research, 4:1, 1-9.

Doll, C.N.H and Pachauri, S. (2010). Estimating rural populations without access to electricity in developing countries through night-time light satellite imagery. Energy Policy, 38:10, 5661–5670.

Donaldson, D. and Storeygard, A. (2016). The View from Above: Applications of Satellite Data in Economics. Journal of Economic Perspectives, 30:4, 171-98.

Dudhani, S., Sinha, A.K., and Inamdar, S.S. (2006). Assessment of small hydropower potential using remote sensing data for sustainable development in India. Energy Policy, 34:17, 3195–3205.

Dugoua, E., Kennedy, R., and Urpelainen, J. (2018). Satellite data for the social sciences: measuring rural electrification with night-time lights. International Journal of Remote Sensing, 39:9, 2690-2701.

Duishonakunov, M., Imbery, S., Narama, C., Mohanty, A., and King, L. (2014). Recent glacier changes and their impact on water resources in Chon and Kichi Naryn Catchments, Kyrgyz Republic. Water Science & Technology: Water Supply, 14:3, 444–452.

Duke University Energy Initiative. (2017). Indian Village Satellite Imagery and Energy Access Dataset. Durham, North Carolina: Duke University.

Duke University. (2018). Energy Data Analytics Lab: Electricity Access in Developing Countries from Aerial Imagery (2017-2018). Durham, North Carolina: Duke University.

Duverger, E., Penin, C., Alexandre, P., Thiery, F., Gachon, D., and Talbert, T. (2017). "Irradiance forecasting for microgrid energy management" in 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) (Torino, Italy: IEEE), 1-6.

Earthi. (2019). https://earthi.space/

Eckman, R.S. and Stackhouse, P.W. (2012). CEOS contributions to informing energy management and policy decision making using space-based Earth observations. Applied Energy, 90:1, 206-210.

Eckman, R.S., Killough Jr, B.D., and Hilsenrath, E. (2008). Earth observations informing energy management: a CEOS and GEOSS perspective. Proceedings of SPIE, 7151, 71510F.

Ehrlich, D., Melchiorri, M., Florczyk, A.J., Pesaresi, M., Kemper, T., Corbane, C., Freire, S., Schiavina, M. and Siragusa, A. (2018). Remote Sensing Derived Built-Up Area and Population Density to Quantify Global Exposure to Five Natural Hazards over Time. Remote Sens., 10:9, 1378-1398.

Eissa, Y., Marpu, P.R., Gherboudj, I., Ghedira, H., Ouarda, T.B.M.J., and Chiesa, M. (2013). Artificial neural network based model for retrieval of the direct normal, diffuse horizontal and global horizontal irradiances using SEVIRI images. Solar Energy, 89, 1-16.

El Hendouzi, A. and Bourouhou, A. (2017). "Contribution to the Management of Microgrids by the Application of Short Term Photovoltaic Power Forecasting" in 2017 International Renewable and Sustainable Energy Conference (IRSEC) (Tangier, Morocco: IEEE), 1-6.

Elvidge, C., Ziskin, D., Baugh, K., Tuttle, B., and Ghosh, T. (2010). "Analysis of Urban Growth and Electrification in North Africa Using Satellite Observed Nighttime Lights Data" presented at American Association of Geographers Conference (Cairo, Egypt).

Emmott, C.J., Moia, D., Sandwell, P., Ekins-Daukes, N., Hösel, M., Lukoschek, L. et al. (2016). Insitu, long-term operational stability of organic photovoltaics for off-grid applications in Africa. Solar Energy Materials and Solar Cells, 149, 284-293.

Energisa. (2017). Relatório de Interrupção em Situação de Emergência (ISE). Mato Grosso: Energisa.

Energisa. (2018). Satellite imagery and pruning management: a revolutionary approach. Tulsa: Distributech/Clarion Energy.

Enete, I.C. and Ijioma, M.A. (2011). Analysis of Temporal and Spatial Characteristics of Enugu Urban Heat Island Using Multiple Techniques. OIDA International Journal of Sustainable Development, 2:6, 29-36.

Engstrom, R., Newhouse, D., and Soundararajan, V. (2019). Estimating Small Area Population Density Using Survey Data and Satellite Imagery: An Application to Sri Lanka. Washington: The World Bank.

ESRI. (2005). GIS Solutions for Power Generation and Transmission Services. Redlands, California: ESRI.

Eurisy. (2013). Statkraft: managing hydropower production using satellite information. Paris, France: Eurisy.

European Space Agency. (2014). Racing the renewable energy challenge. Copernicus Briefs, 43, 1-2.

European Space Agency. (2015). GOCE gravity satellite produces maps for geothermal energy development. Douglas, UK: Phys.org/Science X.

European Space Agency. (2015). Satellite Earth Observations in Support of Disaster Risk Reduction. Special 2015 WCDRR Edition. Paris: ESA.

European Space Agency. (2017). New funding opportunity: space support for microgrids developments in India. Paris, France: ESA Business Applications.

European Space Agency. (2018). Putting Renewable Energy on the Map. Paris: ESA.

Farooq, U., Ahmed, K., Saeed, Y., and Abbas, S. (2011). "GIS Framework Using SDI for Disaster Management" in Proceedings of the 11th Islamic Countries Conference on Statistical Sciences (Lahore, Pakistan: ISOSS), 21, 661-666.

Furlow J. (2010). "Communicating Information for Energy and Development" in Management of Weather and Climate Risk in the Energy Industry. NATO Science for Peace and Security Series C: Environmental Security, eds. A. Troccoli (Dordrecht: Springer), 149-163.

Gaba, K.M. (2017). Monitoring Rural Electrification from Space. Washington: World Bank.

Gaffar, E. (2013). Remote Sensing Application on Geothermal Exploration. AIP Conference Proceedings, 1554, 261-264.

Gamito de Saldanha Calado Matos, J.P. and Schleiss, A. (2014). Hydraulic-hydrologic model for the Zambezi River using satellite data and artificial intelligence techniques. Lausanne, Switzerland: EPFL – LCH.

Garcia, J.A., Istomin, E.P., Slesareva, L.S., and Pena, J.A. (2018). "Spatial data infrastructure for the management and risk assessment of natural disasters" in Proceedings Volume 10773, Sixth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2018) (Paphos, Cyprus: Cyprus Remote Sensing Society), 1077310-1.

Garus, K. (2017). Answers from outer space. Offshore Wind Industry, 2017:3, 18.

Georgia Transmission. (2014). Locating New Power Lines. Tucker, Georgia: Georgia Transmission Corp.

Ghaffarian, S., Kerle, N., and Filatova, T. (2018). Remote Sensing-Based Proxies for Urban Disaster Risk Management and Resilience: A Review. Remote Sens., 10, 1760-1790.

Ghai, B., Ismail, S., and Pakala, V.K. (2018). Analyzing Power infrastructure shortage in African & Asian Countries using night time Satellite Imagery. Stony Brook, New York: Stony Brook University.

Giri Babu, D., Pandey, K., Mathew, J., Kumar, P., and Sharma, K.P. (2010). "NeerUrja - Geospatial Gateway for Potential Hydropower Sites 3D Visualization" in Proceedings of the 11th ESRI India User Conference (New Delhi, India: Esri India).

Global Facility for Disaster Reduction and Recovery. (2017). GFDDR Bringing Resilience to Scale - Annual Report '17. Washington DC: GFDRR.

Global Flood Monitoring System (GFMS). (2019). University of Maryland. http://flood.umd.edu/

Global Science & Technology, Inc. (2016). NCEI Climate Products and Services Market Analysis: Power Sector Engagement. Oxford: Acclimatise.

Global Wind Energy Council. (2017). Global Wind Report: Annual Market Update 2017. Brussels: GWEC.

Guo, Y., Ru, P., Su, J, and Anadon, L.D. (2015). Not in my backyard, but not far away from me: Local acceptance of wind power in China. Energy, 82:15, 722-733.

Haeruddin, A., Saepuloh, A., Heriawan, M.N., and Kubo, T. (2016). Identification of linear features at geothermal field based on Segment Tracing Algorithm (STA) of the ALOS PALSAR data. IOP Conference Series: Earth and Environmental Science, 42:1, 012003.

Haggett, C. (2009a). "Chapter 2: Planning and persuasion: public engagement in renewable energy decision-making" in Renewable Energy and the Public: from NIMBY to Participation, ed. P. Devine-Wright (London: Earthscan).

Haggett, C. (2009b). "Public Engagement in Planning for Renewable Energy" in Planning for Climate Change: Strategies for Mitigation and Adaptation for Spatial Planners, eds. S. Davoudi, J. Crawford, and A. Mehmood (London: Taylor & Francis), 297-307).

Häme, L., Norppa, J., Salovaara, P., and Pylvänäinen (2016). Power line monitoring using optical satellite data. CIRED Workshop, Helsinki, 14-15 June. Paper 0383 (semanticscholar.org).

Hammer, A., Kuhnert, J., Weinreich, K., and Lorenz, E. (2015). Short-Term Forecasting of Surface Solar Irradiance Based on Meteosat-SEVIRI Data Using a Nighttime Cloud Index. Remote Sens. 7, 9070-9090.

Hanger, S., Komendantova, N., Schinke, B., Zejli, D., Ihlal, A., and Patt, A. (2016). Community acceptance of large-scale solar energy installations in developing countries: Evidence from Morocco. Energy Research & Social Science, 14, 80-89. doi: 10.1016/j.erss.2016.01.010

Hasager, C.B. (2014). Offshore winds mapped from satellite remote sensing. Wiley Interdisciplinary Reviews: Energy and Environment, 3:6, 594-603.

Hasager, C.B., Badger, M., Mouche, A., Astrup, P., Stoffelen, A., and Karagali, I. (2010). Offshore wind resource estimation using satellite images: what are the challenges? Geophysical Research Abstracts, EGU2010-4650.

Hasager, C.B., Vincent, P., Badger, J., Badger, M., Di Bella, A., Pena, A., Husson, R., and Volker, P.J.H. (2015). Using Satellite SAR to Characterize the Wind Flow around Offshore Wind Farms. Energies, 8, 5413-5439.

Haselwimmer, C. and Prakash, A. (2013). "Chapter 17 Thermal Infrared Remote Sensing of Geothermal Systems" in Thermal Infrared Remote Sensing – Sensors, Methods, and Applications, eds. C. Junzer and S. Dech (Netherlands: Springer), 453-473.

Hein, D., Bayer, S., Berger, R., Kraft, T., and Lesmeister, D. (2017). An Integrated Rapid Mapping System for Disaster Management. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, XLII-1/W1, 499-504.

Hernández-Escobedo, Q., Fernández-García, A., and Manzano-Agugliaro, F. (2017). Solar resource assessment for rural electrification and industrial development in the Yucatan Peninsula (Mexico). Renewable and Sustainable Energy Reviews, 76, 1550-1561.

Hill, R.L. and Curtin, K.M. (2011). Solar powered light emitting diode distribution in developing countries: an assessment of potential distribution sites in rural Cambodia using network analyses. Socio-economic planning sciences, 45:1, 48-57.

Hindmarsh, R. and Matthews, C. (2008). Deliberative Speak at the Turbine Face: Community Engagement, Wind Farms, and Renewable Energy Transitions, in Australia. Journal of Environmental Policy & Planning, 10:3, 217-232. doi: 10.1080/15239080802242662

Hoes, O.A.C., Meijer, L.J.J., van der Ent, R.J., and van de Giesen, N.C. (2017). Systematic high-resolution assessment of global hydropower potential. PLoS ONE, 12:2, e0171844.

Hoff, T. (2016). Integration of Behind-the-Meter PV Fleet Forecasts into Utility Grid System Operations. Napa, California: Clean Power Research.

Hoque, M.A., Phinn, S., Roelfsema, C., and Childs, I. (2017). Tropical cyclone disaster management using remote sensing and spatial analysis: A review. International Journal of Disaster Risk Reduction, 22, 345-354.

Howari, F. (2015). Prospecting for geothermal energy through satellite based thermal data: Review and the way forward. Global Journal of Environmental Science and Management, 1:4, 265-274.

Hu, T. and Smith, R.B. (2018). The Impact of Hurricane Maria on the Vegetation of Dominica and Puerto Rico Using Multispectral Remote Sensing. Remote Sens., 10:6, 827-847.

IDEAM. (2018). Strengthening Hydrometeorological Monitoring. Early Warning Systems and Climate Services in Colombia: The IDEAM, a Successful Case in Latin America. Bogotá: IDEAM.

Ignacio, G. (2016). Satellite data in support for offshore wind farms: a thesis on the topic of using remote sensing for measurements and predictions in the wind energy sector. Masters thesis. Eindhoven University of Technology, Eindhoven, Netherlands.

ImageSat International (iSi). (2019). https://www.imagesatintl.com/

Institute of Electrical and Electronics Engineers (IEEE). (2016). Special Issue on Applied Earth Observation and Remote Sensing in Latin America. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9:12, 5287-5293.

Intelligence in Energy Management (i-Em). (2019). RES2Grid: Renewable to Grid. <u>https://www.i-em.eu/res2grid-4/</u>

Intergovernmental Panel on Climate Change (IPCC). (2012). "Summary for Policymakers" in Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation - A Special Report of Working Groups I and II of the Intergovernmental Panel on Climate Change., eds. C.B. Field, V. Barros, T.F. Stocker, D. Qin, D.J. Dokken, K.L. Ebi, M.D. Mastrandrea, K.J. Mach, G.-K. Plattner, S.K. Allen, M. Tignor, and P.M. Midgley (Cambridge, UK: Cambridge University Press), 1-19.

International Charter Space and Major Disasters. (2019). https://disasterscharter.org/

International Energy Agency. (2014). Africa Energy Outlook: A Focus on Energy Prospects in Sub-Saharan Africa. Paris: OECD/IEA.

International Energy Agency. (2017a). Energy Access Outlook 2017: From Poverty to Prosperity. Paris: OECD/IEA.

International Energy Agency. (2017b). Southeast Asia Energy Outlook 2017. Paris: OECD/IEA.

International Hydropower Association. (2018). 2018 Hydropower Status Report: Sector Trends and Insights. London: IHA.

International Renewable Energy Agency (IRENA). (2014). Overview of Solar and Wind Maps: The Global Atlas for Renewable Energy. Abu Dhabi: IRENA.

Isagen Productive Energy. (2015). Environmental Management Plan: Miel I Hydroelectric Power Plant. Medellin: Isagen.

Ishizawa, O.A., Miranda, J.J., and Strobl, E. (2017). The Impact of Hurricane Strikes on Short-Term Local Economic Activity. Evidence from Nightlight Images in the Dominican Republic. Policy Research Working Paper 8275. Washington DC: World Bank Group.

Islam, S., Khan, S., and Sharma, R.K. (2012). Role of Recent Technology in Disaster Management. IJRREST: International Journal of Research Review in Engineering Science and Technology, 1:3, 35-40.

Iwasaki, A., Miyatani, S., and Nakasuka, S. (2012). "Satellite Contributions to Disaster Monitoring - Japanese Earthquake and Tsunami Case in 2011" presented at Small Satellite Conference 2012 (Logan, Utah).

Jang, H.S., Bae, K.Y., Park, H., and Sung, D.K. (2016). Solar Power Prediction Based on Satellite Images and Support Vector Machine. IEEE Transactions on Sustainable Energy, 7:3, 1255-1263.

Jao, I., Kombe, F., Mqalukore, S., Bull, S., Parker, M., Kamuya, D. et al. (2015). Research Stakeholders' Views on Benefits and Challenges for Public Health Research Data Sharing in Kenya: The Importance of Trust and Social Relations. PLoS ONE, 10:9, e0135545.

Japan International Cooperation Agency (JICA). (2014). Data collection survey of disaster risk management sector in Jamaica and Saint Lucia: Final report. Kingston, Jamaica: JICA.

Jimenez, J. (2016). Informe de Gestión. Panama City: ESTESA.

Joshi, R., Raval, H., Pathak, M., Prajapati, S., Patel, A., Singh, V., and Kalubarme, M.H. (2015). Urban Heat Island Characterization and Isotherm Mapping Using Geo-Informatics Technology in Ahmedabad City, Gujarat State, India. International Journal of Geosciences, 6, 274-285.

Kamal, M.A. (2015). Role of Information and Communication Technology in Natural Disaster Management in India. The Masterbuilder, 182-188.

Kato, K., Manabe, Y., Funabashi, T., Yoshiura, K., Kurimoto, M., and Suzuoki, Y. "A study on several hours ahead forecasting of spatial average irradiance using NWP model and satellite infrared image" in 2016 International Conference on Probabilistic Methods Applied to Power Systems (PMAPS) (Beijing, China: IEEE), 1-8.

KenGen. (2018). Request for Proposals (RFP) for Development of an Integrated Spatial Resources Management for KenGen. Nariobi: KenGen.

Kennedy, R. (2017). What Does the Oncoming Satellite Revolution Mean for Energy Access Research? Johns Hopkins Initiative for Sustainable Energy Policy. <u>https://sais-isep.org/?p=2237</u>

Khadr, A. (2016). The Effect of Electricity Shortages on Electricity Consumption in Africa: Using Night-Time Light Data from Satellite Images. Masters thesis, University of Ottawa, Ottawa, Ontario.

Kiran, V.S.S., Ponnapalli, K.V., Jagannadha Rao, M., and Jaisankar, G. (2015). Identification of Potentially Viable Zones, in A Terrain of Geothermal Energy, Using RS and GIS Tools. International Journal of Scientific Research, 4:11, 10-14.

Klein, L., Wamburu, J.M., and Hamann, H. (2018). A Deep Learning Framework for Vegetation Management for Electrical Utilities Using Multispectral High-Resolution Satellite Imagery. American Geophysical Union, EP51E-1873.

Korup, O., Seidemann, J., and Mohr, C.H. (2019). Increased landslide activity on forested hillslopes following two recent volcanic eruptions in Chile. Nature Geoscience, 12, 284-289.

Kosmopoulos, P.G., Kazadzis, S., El-Askary, H., Taylor, M., Gkikas, A., Prestakis, E., et al. (2018). Earth-Observation-Based Estimation and Forecasting of Particulate Matter Impact on Solar Energy in Egypt. Remote Sensing, 10:12, 1870-1893.

Kosowatz, J. (2018). Using AI to Manage the Grid. New York: ASME.

Kostylev, V. and Pavlovski, A. (2011). "Solar power forecasting performance towards industry standards" in Proceedings of the 1st International Workshop on the Integration of Solar Power into Power Systems (Aarhus, Denmark).

Kumar, P., Kunwar, S., and Garg, V. (2017). "Hydropower Sites Investigation and Sensitivity Analysis of Assessed Potential Using Geospatial Inputs" in Development of Water Resources in India, eds. V. Garg, V.P., Singh, and V. Raj (Cham: Springer), 499-522.

Kussul, N.N., Shelestov, A.Y., Skakun, S.V., Li, G., and Kussul, O.M. (2012). The Wide Area Grid Testbed for Flood Monitoring Using Earth Observation Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 5:6, 1746-1751.

Lafuma, M. (2015). Satellite imagery for a successful energy transition. Sainte-Clotilde, France: Reuniwatt.

Lahoz, W.A. and Schneider, P. (2014). Data assimilation: making sense of Earth Observation. Frontiers in Environmental Science, 28:16, 1-28.

Lakshmi, S.V. and Sarvani, G.R. (2018). Selection of suitable sites for small hydropower plants using geo-spatial technology. International Journal of Pure and Applied Mathematics, 119:17, 217-240.

Langer, K., Decker, T., and Menrad, K. (2017). Public participation in wind energy projects located in Germany: Which form of participation is the key to acceptance? Renewable Energy, 112, 63-73.

Lantz, E., Roberts, O., and Dykes, K. (2017). Trends, Opportunities, and Challenges for Tall Wind Turbine and Tower Technologies, presented at the American Wind Energy Association Wind Power 2017 Conference, Anaheim, California (Golden, Colorado: NREL).

Larentis, D.G., Collischonn, W., Olivera, F., and Tucci, C.E.M. (2010). Gis-based procedures for hydropower potential spotting. Energy, 35:10, 4237-4243.

Larson, E.C. and Krannich, R.S. (2016). "A Great Idea, Just Not Near Me!" Understanding Public Attitudes About Renewable Energy Facilities. Society & Natural Resources, 29:12, 1436-1451.

Lautenbacher, C. C. (2006). The global earth observation system of systems: Science serving society. Space Policy, 22(1), 8-11.

Leauthaud, C., Duvail, S., Belaud., Albergel, J., Moussa, R., and Olivier, G. (2012). Contribution of MODIS satellite imagery in modelling the flooding patterns of the coastal wetlands of the Tana River, Kenya. Geophysical Research Abstracts, 14, EGU2012-10514.

Lech, M., Uitto, J.I., Harten, S., Batra, G., and Anand, A. (2018). Improving International Development Evaluation through Geospatial Data and Analysis. International Journal of Geospatial and Environmental Research, 5:2, Article 3.

Lee, S. J. (2018). Empowered Planning with Models, Satellites, & Machine Learning. Cambridge, Massachusetts: MIT.

Lee, S.J. (2018). Adaptive electricity access planning. Masters thesis. Massachusetts Institute of Technology, Cambridge, Massachusetts.

Lekkas, E., Filis, C., Andreadaki, S., Skourtsos, E., Diakakis, M., Mavrouli, S., Papaspyropoulos, K., Alexoudi, V., Kommatas, M., Karalemas, N., et al. (2016). "Post-Fire Hazard and Risk Assessment in Fire-Affected Areas with GIS and Satellite Imagery: The Case of 2015 Laconia Forest Fire (Southeastern Peloponnese, Greece)" presented at Safe Greece - Safe Evros 2016 (Alexandroupoli, Greece).

Leng, G.J. (2000). RETScreenTM International: a decision support and capacity building tool for assessing potential renewable energy projects. UNEP Industry and Environment: Sustainable Energy, 23:3, 22-23.

Letendre, S., Makhyoun, M., and Taylor, M. (2014). Predicting Solar Power Production: Irradiance Forecasting Models, Applications and Future Prospects. Washington DC: Solar Electric Power Association.

Levine, J. (2014). 3 big challenges for Latin America's electricity sector; 3 big strategies for a successful future. Redwood City, California: Oracle.

Li, G., Tan, Q., Xie, C., et al. (2018). The Transmission Channel Tower Identification and Landslide Disaster Monitoring Based on INSAR, Intl. Arch. Photogrammetry, Remote Sensing, & Spatial Info Sci., 42(3): 807–813.

Liao, W., Liu, X., Wang, D., and Sheng, Y. (2017). The Impact of Energy Consumption on the Surface Urban Heat Island in China's 32 Major Cities. Remote Sens., 9:3, 250-263.

Liu, L., Bouman, T., Perlaviciute, G., and Steg, L. (2019). Effects of trust and public participation on acceptability of renewable energy projects in the Netherlands and China. Energy Research & Social Science, 53, 137-144.

Long, J., Giri, C., Primavera, J., and Trivedi, M. (2016). Damage and recovery assessment of the Philippines' mangroves following Super Typhoon Haiyan. Marine Pollution Bulletin, 109:2, 734-743.

Longwei, L. and Dengsheng, L. (2016). Mapping population density distribution at multiple scales in Zhejiang Province using Landsat Thematic Mapper and census data. International Journal of Remote Sensing, 37:18, 4243-4260.

Macharia, D., Korme, T., Policelli, F., Irwin, D., Adler, B., and Hong, Y. (2010). "SERVIR-Africa: Developing an Integrated Platform for Floods Disaster Management in Africa" in Proceedings of the 8th International Conference African Association of Remote Sensing of the Environment (Addis Ababa, Ethiopia: AARSE).

Macharia, M.W., Gachari, M.K., Kuria, D.N., Mariita, N.O. (2017). Low cost geothermal energy indicators and exploration methods in Kenya. Journal of Geography and Regional Planning, 10:9, pp. 254-265.

Maclean, I.M.D., Inger, R., Benson, D., Booth, C.G., Embling, C.B., Grecian, W.J., et al. (2014). Resolving issues with environmental impact assessment of marine renewable energy installations. Frontiers in Marine Science, 16:75, 1-5.

Mann, M.L., Melass, E.K., and Malik, A. (2016). Using VIIRS Day/Night Band to Measure Electricity Supply Reliability: Preliminary Results from Maharashtra, India. Remote Sens., 8:9, 711-23.

Manohar Velpuri, N., Pervez, S., and Cushing, W.M. (2016). Hydropower assessment of Bolivia—A multisource satellite data and hydrologic modeling approach. Open File Report 2016-1156. Reston, Virginia: U.S. Geological Survey.

Manske, J., Sangokoya, D., Barrett, L., Pestre, G., and Letouze, E. (2015). Opportunities and Requirements for Leveraging Big Data for Official Statistics and the Sustainable Development Goals in Latin America. Data-Pop Alliance White Paper Series. New York, New York: Data-Pop Alliance.

Martín-Martín, A., Orduna-Malea, E., Thelwall, M. and Delgado López-Cózar, E. (2018). Google Scholar, Web of Science, and Scopus: A systematic comparison of citations in 252 subject categories. Journal of Informetrics, 12:4, 1160-1177.

Massachusetts Institute of Technology. (2018). Reference Electrification Model: A Tool for Rural Electrification Planning. <u>https://tatacenter.mit.edu/portfolio/reference-electrification-model-a-tool-for-rural-electrification-planning/</u>

McNeish, R., Rigg, K.K., Tran, Q., and Hodges, S. (2019). Community-based behavioral health interventions: Developing strong community partnerships. Evaluation and Program Planning, 73, 111-115.

Melillo, J.M., Richmond, T.C., and Yohe, G.W. (eds.) (2014). Climate Change Impacts in the United States: The Third National Climate Assessment. Washington DC: U.S. Global Change Research Program.

Mentis, D., Howells, M., Roger, H., Korkovelos, A., Arderne, C., Zepeda, E., Siyal, S., Taliotis, C., Bazilian, M., de Roo, A., Tanvez, Y., Oudalov, A. and Scholtz, E. (2017). Lighting the World: the first application of an open source, spatial electrification tool (OnSSET) on Sub-Saharan Africa. Environ. Res. Lett., 12:8, 085003.

Merson, L., Phong, T.V., Nhan, L.N.T., Dung, N.T., Ngan, T.T.D., Kinh, V.N., et al. (2015). Trust, Respect, and Reciprocity: Informing Culturally Appropriate Data-Sharing Practice in Vietnam. Journal of Empirical Research on Human Research Ethics, 10:3, 251-263.

Metternicht, G., Leclerc, M. and Giada, S. (2014). "The role of geo-spatial data and information in policy making for climate change related disasters" in Proceedings of the 35th Asian Conference on Remote Sensing (Nay Pyi Taw, Myanmar).

Miller, H.M. (2016). Users and Uses of Landsat 8 Satellite Imagery—2014 Survey Results. Open File Report 2016-1032. Reston, Virginia: U.S. Geologic Survey.

Miller, S.D. (2015). Satellite Sensor Reveals Earth's Nocturnal Secrets. New York, New York: Scientific American.

Miller, S.D., Straka, W., Mills, S.P., Elvidge, C.D., Lee, T.F., Solbrig, J. et al. (2013). Illuminating the capabilities of the Suomi national polar-orbiting partnership (NPP) visible infrared imaging radiometer suite (VIIRS) day/night band. Remote Sensing, 5:12, 6717-6766.

Min, B. (2010). Electrifying the poor: distributing power in India. Ann Arbor, Michigan: University of Michigan.

Min, B. and Gaba, K.M. (2014). Tracking Electrification in Vietnam Using Nighttime Lights. Remote Sens., 6, 9511-9529.

Min, B., Mensan Gaba, K., Fall Sarr, O., and Agalassou A. (2013). Detection of rural electrification in Africa using DMSP-OLS night lights imagery. International Journal of Remote Sensing, 24:22, 8118-8141.

Min, B., O'Keefe, Z., and Zhang, F. (2017). Whose power gets cut? using high-frequency satellite images to measure power supply irregularity. Policy Research Working Paper 8131. Kathmandu, Nepal: World Bank Group South Asia.

Mohammed, I. (2017). The Application of Remote Sensing (RS) Technology in Renewable Energy Development: A Review. Rochester, New York: SSRN.

Mojaddadi, H., Pradhan, B., Nampak, H., Ahmad, N., and bin Ghazali, A.H. (2017). Ensemble machine-learning-based geospatial approach for flood risk assessment using multi-sensor remote-sensing data and GIS. Geomatics, Natural Hazards and Risk, 8:2, 1080-1102.

Monroe, T., Debere, S., Gaba, K. M., Newhouse, D., and Killic, T. (2018). "Putting Big Data Innovation into Action for Development" in Earth Observation Open Science and Innovation, eds. P.P. Mathieu and C. Aubrecht (Cham: Springer), 285-291.

Morelli, M., Masini, A., Venafra, S., and Potenza, M.A.C. (2013). "New Approaches To Off-Shore Wind Energy Management Exploiting Satellite EO Data" in Proceedings of ESA Living Planet Symposium (Edinburgh, UK), 314.

Moslin, S.I., Wahap, N.A., and Han, O.W. (2014). Sentinel Asia step 2 utilization for disaster management in Malaysia. IOP Conference Series: Earth and Environmental Science, 18:012080.

Muller, M.F. and Thompson, S.E. (2013). Process Based Prediction of Flow Distribution at Ungauged Himalayan Catchments using Satellite Data. AGU Fall Meeting Abstracts, H53E-1462.

Nakajima, T.Y., Takamatsu, T., Funayama, T., Yamamoto, Y., Takenaka, H., Nakajima, T., Irie, H., and Higuchi, A. (2017). Solar energy estimated from geostationary satellites and its application on the energy management system. AGU Fall Meeting Abstracts, abstract #GC13J-0873.

Nakamura, T. (2016). Tradeoff Studies on Total Serviceability Evaluation for Disaster Monitoring by Satellites. Transactions of the Japan Society for Aeronautical and Space Sciences, Aeropsace Technology Japan, 14:30, 4_1-4_7.

NASA. (2017). New Night Lights Maps Open Up Possible Real-Time Applications. Greenbelt, Maryland: NASA.

Natarajan, L., Rydin, Y., Lock, S.J., and Lee, M. (2018). Navigating the participatory processes of renewable energy infrastructure regulation: A 'local participant perspective' on the NSIPs regime in England and Wales. Energy Policy, 114, 201-210.

National Academies of Sciences, Engineering, and Medicine. (2018). Thriving on Our Changing Planet: A Decadal Strategy for Earth Observation from Space. Washington: The National Academies Press.

National Academies of Sciences, Engineering, and Medicine. (2015). Continuity of NASA Earth Observations from Space: A Value Framework. Washington: The National Academies Press.

National Renewable Energy Laboratory. (2012). The Design-Build Process for the Research Support Facility. Washington DC: USDOE.

National Renewable Energy Laboratory. (2013). NREL International Programs. Golden, Colorado: U.S. Department of Energy.

National Research Council. (2003). Using Remote Sensing in State and Local Government: Information for Management and Decision Making. Washington: NAP.

National Research Council. (2007). Earth Science and Applications from Space: National Imperatives for the Next Decade and Beyond. Washington: NAP.

National Science and Technology Council. (2013). National Strategy for Civil Earth Observations. Washington DC: Executive Office of the President.

Nielsen, M., Astrup, P., Hasager, C.B., Barthelmie, R.J., and Pryor, S.C. (2004). Satellite information for wind energy applications. Roskilde, Denmark: Riso National Laboratory.

Nistoran, D.E.G., Abdelal, D., Ionescu, C.S., Opris, I., and Costinas, S. (2017). "A simple method to assess theoretical hydropower potential of a river" in 10th International Symposium on Advanced Topics in Electrical Engineering (Bucharest, Romania: IEEE), 764-767.

NOAA. (2019). Global Systems Models. https://www.esrl.noaa.gov/gsd/products/models.html

Noor, A.M., Alegana, V.A., Gething, P.W., Tatem, A.J. and Snow, R.W. (2008). Using remotely sensed night-time light as a proxy for poverty in Africa. Population Health Metrics, 6:5, 1-13.

Nouraliee, J., Porkhial, S., and Tamjidi, A. (2010). "Reevaluation of Geothermal Energy Potential in Damavand Region" in Proceedings of World Geothermal Congress 2010 (Bali, Indonesia: WGC), 1-9.

Nouraliee, J., Porkhial, S., Rahmani, M.R., and Ebrahimi, D. (2015). "Reconnaissance Survey of Geothermal Resources in West Azarbaijan Province, NW-Iran" in Proceedings World Geothermal Congress 2015 (Bochum, Germany: International Geothermal Association), 1-9.

Nouri, T. and Oskouei, M.M. (2012). "Detection of the geothermal alterations and thermal anomalies by processing of remote sensing data, Sabalan, Iran" presented at Aiming Smart Space Sensing Conference (Pattaya, Thailand).

Novellino, A., Jordan, C., Ager, G., Bateson, L., Fleming, C., and Confuorto, P. (2018). "Remote Sensing for Natural or Man-Made Disasters and Environmental Changes" in Geological Disaster Monitoring Based on Sensor Networks, eds. T. Durrani, W. Wang, and S. Forbes (Singapore: Springer), 23-31.

Nowocin, J.K. (2017). Microgrid risk reduction for design and validation testing using controller hardware in the loop. Doctoral dissertation. Massachusetts Institute of Technology, Cambridge, Massachusetts.

O'Neill, K. (2015). Going off grid: Tata researchers tackle rural electrification. Cambridge, Massachusetts: MIT Energy Initiative.

Obayo, O. (2013). Mapping Electricity Distribution in Rural Areas Using GIS: Parts of Kabondo Kasipul Constituency in Homabay County. Bachelor of Science thesis. University of Nairobi, Nairobi, Kenya.

Oloo, F.O., Olang, L., and Strobl, J. (2015). Spatial modelling of solar energy potential in Kenya. International Journal of sustainable energy planning and management, 6, 17-30.

Orosz, M.S. and Meuller, A.V. (2015). "Dynamic Simulation of Performance and Cost of Hybrid PV-CSP-LPG Generator Micro Grids with Applications to Remote Communities in Developing Countries" in Proceedings of the ASME 2015 Power & Energy Conference, PowerEnergy2015 (San Diego, California: ASME), 49513.

Oshri, B., Hu, A., Adelson, P., Chen, X., Dupas, P., Weinstein, J., et al. (2018). "Infrastructure Quality Assessment in Africa using Satellite Imagery and Deep Learning" in Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (New York, New York: ACM), 616-625.

Palmer, J. (2012). Sensing the Heat: Using satellites to seek out renewable energy "hot spots". Spheres, 7:SPECIAL, 4-5.

Pandy, A., Lalrempuia, D., and Jain, S.K. (2015). Assessment of hydropower potential using spatial technology and SWAT modelling in the Mat River, southern Mizoram, India. Hydrological Sciences Journal, 60:10, 1651-1665.

Pandya, M., Zummarwala, A., and Chauhan, P. (2012). Distributed Commuting Augmented Shortest Path Finding for Geo Spatial Datasets. International Journal of Computer Applications (0975-8887), 52:19, 28-31.

Pareta, K. and Pareta, U. (2011). "Developing a national database framework for natural disaster risk management" in Proceedings in ESRI International User Conference (Redlands, California: ESRI).

Parkins, J.R., Rollins, C., Anders, S., and Comeau, L. (2018). Predicting intention to adopt solar technology in Canada: The role of knowledge, public engagement, and visibility. Energy Policy, 114, 114-122.

Patriawan, D.A. and Hartanti, L. (2016). Calculation of potential wind power in Indonesia by using high altitude wind energy method. ARPN Journal of Engineering and Applied Sciences, 11:2, 1016-1020.

Pellizzone, A., Allansdottir, A., De Franco, R., Muttoni, G., and Manzella, A. (2015). Exploring public engagement with geothermal energy in southern Italy: A case study. Energy Policy, 85, 1-11.

Percivall, G.S., Alameh, N.S., Caumont, H., Moe, K.L., and Evans, J.D., (2013). Improving Disaster Management Using Earth Observations—GEOSS and CEOS Activities. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 6:3, 1368-1375.

Persello, C. and Stein, A. (2017). Deep Fully Convolutional Networks for the Detection of Informal Settlements in VHR Images. IEEE Geoscience and Remote Sensing Letters, 14:12, 2325-2329.

Peters, I.M., Liu, H., Reindl, T., and Buonassis, T. (2018). Global Prediction of Photovoltaic Field Performance Differences Using Open-Source Satellite Data. Joule, 2:2, 307–322.

Pimenta, F., Kempton, W., and Garvine, R. (2008). Combining meteorological stations and satellite data to evaluate the offshore wind power resource of Southeastern Brazil. Renewable Energy, 33:11, 2375–2387.

Plain, N., Hingray, B., Mathy, S., Gualino, D., and Thomas, A. (2018). Temporal variability of the solar resource in Africa for off-grid power systems. Geophysical Research Abstracts, 20, EGU2018-11817.

Planning Institute of Jamaica. (2012). Socio-economic and Environmental Disaster Impact Assessment Handbook for Jamaica. Kingston, Jamaica: PIOJ.

Polo, J., Bernardos, A., Navarro, A.A., Fernandez-Peruchena, C.M., Ramírez, L., Guisado, M.V., and Martínez, S. (2015). Solar resources and power potential mapping in Vietnam using satellite-derived and GIS-based information. Energy conversion and management, 98, 348-358.

Pritchard, M., Biggs, J., Wauthier, C., Sansosti, E., Arnold, D.W.D., Delgado, F. et al. (2018). Towards coordinated regional multi-satellite InSAR volcano observations: results from the Latin America pilot project. Journal of Applied Volcanology, 7:5, 1-28.

Pulwarty, R.S., Nurse, L.A., and Trotz, U.O. (2010). Caribbean Islands in a Changing Climate. Environment: Science and Policy for Sustainable Development, 52:6, 16-27.

Quansah, D.A., Adaramola, M.S., and Mensah, L.D. (2016). Solar Photovoltaics in Sub-Saharan Africa – Addressing Barriers, Unlocking Potential. Energy Procedia, 106, 97-110.

Rabetanetiarimanana, J. C. I., Radanielina, M. H., and Rakotondramiarana, H. T. (2018). PV-Hybrid Off-Grid and Mini-Grid Systems for Rural Electrification in Sub-Saharan Africa. Smart Grid and Renewable Energy, 9:10, 171-185.

Radhi, H., Sharples, S., and Assem, E. (2015). Impact of urban heat islands on the thermal comfort and cooling energy demand of artificial islands—A case study of AMWAJ Islands in Bahrain. Sustainable Cities and Society, 19, 310-318.

Rai, P.K. (2016). Integration of GIS with Survey Data for Electrical Asset Mapping in Robertsganj town of India. GeoReview, 26:1, 1-17.

Rai, P.K. and Singh, C. (2016). GIS in Electrical Asset Mapping: The Case of Bhadohi, India. European Journal of Geography, 7:4, 19 - 33.

Rajeev and Tanuja. (2016). Role of Remote Sensing and Its Applications in Disaster Management Like Earthquake, Flood and Tsunamis. International Journal of Science, Engineering and Technology Research (IJSETR), 5:1, 300-305.

Ramachandra, T. V., Jain, R., and Krishnadas, G. (2011). Hotspots of solar potential in India. Renewable and sustainable energy reviews, 15:6, 3178-3186.

Ramdani, F. and Setiani, P. (2017). Multiscale assessment of progress of electrification in Indonesia based on brightness level derived from nighttime satellite imagery. Environmental monitoring and assessment, 189:6, 249.

Ramlal, B., Davis, D., and De Bellot, K. (2018). A Rapid Post-Hurricane Building Damage Assessment Methodology using Satellite Imagery. West Indian Journal of Engineering, 41:1, 74-83.

Ramos, V.H. and Flores, A.I. "The Role of Earth Observation for Managing Biodiversity and Disasters in Mesoamerica: Past, Present, and Future" in Earth Science Satellite Applications, ed. F. Hossain (Cham: Springer), 3-25.

RapidMap. (2015). http://rapidmap.fbk.eu/

Raskar, R.R. (2010). "Use of Geomatic Technology for Disaster Management (Tsunami Disaster Damage Detection–Case Study in Sri Lanka)" presented at Indian Geotechnical Conference – 2010, GEOtrendz (Mumbai, India).

Rediff News. (2013). Satellite imagery to boost rural electrification in Bihar. Mumbai, India: Rediff India News.

Regional Centre for Space Science and Technology Education for Latin America and the Caribbean (CRECTEALC). (2019). <u>http://www.crectealc.org/</u>

REN21. (2016). Renewables 2016 Global Status Report. Paris: REN21.

Richter, A. (2017). Satellite imagery helping in identifying geothermal potential in Ethiopia. Reykjavík, Iceland: ThinkGeoEnergy.

Rinaldo, R., Coppola, D., Walawalkar, R., and Thacker, H. (2017). Integrated Applications for Microgrids in Developing Economies: Webinar. Paris: ESA.

Rivera, J.Y. (2016). Tools to operate and manage early warning systems for natural hazards monitoring in El Salvador. Open Geospatial Data, Software and Standards, 1:9, 1-16.

Robinson, C., Hohman, F., and Dilkina, B. (2017). "A Deep Learning Approach for Population Estimation from Satellite Imagery" in Proceedings of the 1st ACM SIGSPATIAL Workshop on Geospatial Humanities (New York, New York: ACM), 47-54.

Rolston, K. (2015). Satellite sensor improving "night vision" for CIRA researcher. Fort Collins, Colorado: Colorado State University.

Román, M., Wang, R., Shrestha, R., Yao, T., and Kalb, V. (2019). Black Marble User Guide Version 1.0. Washington: NASA.

Roychowdhury, K. and Jones, S. (2014). Nexus of health and development: modelling crude birth rate and maternal mortality ratio using nighttime satellite images. ISPRS International Journal of Geo-Information, 3:2, 693-712.

Ruf, H., Schroedter-Homscheidt, M., Heilscher, G., and Meier, F. (2015). "Using Satellite Data for Power Flow Estimation of an Electrical Low Voltage Grid with a High Amount of Photovoltaic Systems" presented at the 3rd International Conference Energy & Meteorology (Boulder, Colorado).

Rusu, E. and Soares, C.G. (2012). Wave energy pattern around the Madeira Islands. Energy, 45:1, 771-785.

Rusu, L. and Soares, C.G. (2012). Wave energy assessments in the Azores islands. Renewable Energy, 45, 183-196.

Sáenz, J.P., Celik, N., Asfour, S., and Son, Y-J. (2012). Electric utility resource planning using Continuous-Discrete Modular Simulation and Optimization (CoDiMoSO). Computers & Industrial Engineering, 63:3, 671-694.

Said, N., Pogorelov, K., Ahmad, K., Riegler, M., Ahmad, N., Ostroukhova, O., et al. (2018). "Deep learning approaches for flood classification and flood aftermath detection" presented at MediaEval 18 (Sophia Antipolis, France).

Sakar, A. (2015). Impact of climate change on the runoff regime of an Eastern Himalayan river basin. Global NEST, 17:2, 323-333.

Sandro, R., Arnudin, Tussadiah, A., Utamy, R.M., Pridina, N., and Afifah, L.N. (2014). Study of Wind, Tidal Wave and Current Potential in Sunda Strait as an Alternative Energy. Energy Procedia, 47, 242-249.

Schöpfel, J. (2010). "Towards a Prague Definition of Grey Literature" presented at Twelfth International Conference on Grey Literature: Transparency in Grey Literature. (Prague, Czech Republic: Národní technická knihovna).

Schwarz, B., Pestre, G., Tellman, B., Sullivan, J., Kuhn, C., Mahtta, R., et al. (2018). "Mapping Floods and Assessing Flood Vulnerability for Disaster Decision-Making: A Case Study Remote Sensing Application in Senegal" in Advanced Remote Sensing Technology for Tsunami Modelling and Forecasting, eds. P-P. Mathieu and C. Aubrecht (Boca Raton: CRC Press), 293-300.

Sennaar, K. (2019). Artificial Intelligence for Energy Efficiency and Renewable Energy – 6 Current Applications. Boston: Emerj.

Sentinel-Asia: Disaster Management Support System in The Asia-Pacific Region. (2019). Asia-Pacific Regional Space Agency Forum (APRSAF). <u>https://www.aprsaf.org/initiatives/sentinel_asia/</u>

Sevlian, R.A., Yu, J., Liao, Y., Chen, X., Weng, Y., Kara, E.C., Tabone, M., Badri, S., Tan, C-W., Chassin, D., Kiliccote, S., and Rajagopal, R. (2017). VADER: Visualization and Analytics for Distributed Energy Resources. Stanford, California: Stanford University and SLAC National Laboratory.

Shamshiry, E., Nadi, B., Mokhtar, M.B., Komoo, I., and Hashim, H.S. (2011). "Disaster management base on geoinformatics" in 2011 IEEE 3rd International Conference on Communication Software and Networks (Xi'an, China: IEEE), 28-31.

Sharma, V.K., Mishra, N., Shukla, A.K., Yadav, A., Srinivasa Rao, G., and Bhanumurthy, V. (2017). Satellite data planning for flood mapping activities based on high rainfall events generated using TRMM, GEFS and disaster news. Annals of GIS, 23:2, 131-140.

Shields, B. (2008). Using GIS for Efficient Transmission Line Siting. Tulsa, Oklahoma: Clarion Events.

Shivaprasad Sharma, S.V., Parth, S.R., Chakravarthi, V., Srinivasa Rao, G, and Bhanumurthy, V. (2017). Extraction of detailed level flood hazard zones using multi-temporal historical satellite datasets – a case study of Kopili River Basin, Assam, India. Geomatics, Natural Hazards and Risk, 8:2, 792-802.

SIEPAC. (2004). Geotechnical Study and Classification of Soils in the Line of Transmission. SIEPAC Final Review, Revision 01: Tomo V – Nicaragua. San José: SIEPAC.

Silberg, B. (2015). Bringing NASA satellite data down to Earth. La Cañada Flintridge, California: NASA JPL.

Sivanpillai, R., Jones, B.K., and Lamb, R.M. (2017). Accessing satellite imagery for disaster response through the International Charter: Lessons learned from the 2011 US Midwestern Floods. Space Policy, 42, 54-61.

SmartKlub. (2019). http://smartklub.org

SolarToday. (2017). SOLAR 2016 Technical Presentation Highlights. Boulder, Colorado: American Solar Energy Society.

Soukissian, T., Karathanasi, F., and Axaopoulos, P. (2017). Satellite-Based Offshore Wind Resource Assessment in the Mediterranean Sea. IEEE Journal of Oceanic Engineering, 42:1, 73 – 86.

Sraisth. (2017). Interview: India's storage market readies the ground for growth. Berlin, Germany: pv magazine.

Srinivasa Rao, G., Bhatt, C.M., and Diwakar, P.G. (2014). International Charter Support During Major Flood Disasters in India. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, XL-8, 1501-1505.

StarHub. (2019). http://starhub.sa-catapult.co.uk

Stefouli, M., Charou, E., Vasileiou, E., Stathopoulos, N., and Perrakis, A. (2012). Monitoring Reservoirs Using MERIS And LANDSAT Fused Images: A Case Study Of Polyfitos Reservoir -West Macedonia – Greece. Geophysical Research Abstracts, 14, EGU2012-12343-1.

Stevens, F.R., Gaughan, A.E., Linard, C., and Tatem, A.J. (2015). Disaggregating Census Data for Population Mapping Using Random Forests with Remotely-Sensed and Ancillary Data. PLoS ONE, 10:2, e0107042.

Stiles, G. and Murove, C. (2018). SADC Renewable Energy and Energy Efficiency Status Report. Paris: REN21.

Sumer, E.O., Koruyucu, M., Gurcay, O.B., San, T., Ayday, C., Yaman, N., and Sabah, L. (2016). "Using Open Source Geographic Information Systems and Remote Sensing Softwares for Geothermal Explorations" presented at 69th Geological Congress of Turkey (Istanbul, Turkey).

Sun, T., Li, R., and Li, G. (2011). "Catastrophic flood disaster monitoring based on Envisat ASAR - case study in Wuzhou, China" in Proceedings of 2011 International Symposium on Water Resource and Environmental Protection (Xi'an, China: ISWREP), 3139-3142.

Sutton, P. C., Taylor, M. J., and Elvidge, C. D. (2010). "Using DMSP OLS imagery to characterize urban populations in developed and developing countries" in Remote sensing of urban and suburban areas, eds. T. Rashed and C. Jurgens (Dordrecht: Springer), 329-348.

Symbios. (2015). The Earth Observation Handbook. Rome: CEOS.

Tampubolon, T., Abdullah, K., San, L.H., and Yanti, Jeddah. (2016). The identification of geothermal with geographic information system and remote sensing in district of Dolok Marawa. AIP Conference Proceedings, 1712, 030011.

Tapiador, F.J. (2009). Assessment of renewable energy potential through satellite data and numerical models. Energy Environ. Sci., 2, 1142-1161.

Tapiador, F.J., Hou, A.Y., De Castro, M., Checa, R., Cuartero, F., and Barros, A. (2011). Precipitation estimates for hydroelectricity. Energy Environ. Sci., 4:11, 4435-4448.

Tomaszewski, B. (2011). Situation awareness and virtual globes: Applications for disaster management. Computers & Geosciences, 37:1, 86-92.

Tripathy, B.R., Sajjad, H., Elvidge, C.D., Ting, Y., Pandey, P.C., Rani, M., and Kumar, P. (2018). Modeling of Electric Demand for Sustainable Energy and Management in India Using Spatio-Temporal DMSP-OLS Night-Time Data. Environmental Management, 61:4, 615-623.

U.S. Department of Energy. (2003). Federal Energy Management Program Case Study: Utility Energy Service Contracting Boosts Mission Support for NASA. Washington DC: USDOE.

U.S. Department of Energy. (2012). Offshore Resource Assessment and Design Conditions: A Data Requirements and Gaps Analysis for Offshore Renewable Energy Systems. Washington DC: USDOE.

U.S. Department of Energy. (2013). U.S. energy sector vulnerabilities to climate change and extreme weather. Washington DC: USDOE.

U.S. Department of Energy. (2015). Climate Change and the U.S. Energy Sector: Regional Vulnerabilities and Resilience Solutions. Washington DC: USDOE.

U.S. Department of Energy. (2016). A Review of Climate Change Vulnerability Assessments: Current Practices and Lessons Learned from DOEs Partnership for Energy Sector Climate Resilience. Washington DC: USDOE.

U.S. Department of Energy. (2016). Climate Change and the Electricity Sector: Guide for Climate Change Resilience Planning. Washington DC: USDOE.

U.S. Energy Information Administration. (2018). Annual Energy Outlook 2018. Washington DC: EIA.

U.S. Government Accountability Office (GAO). (2014). Climate Change: Energy Infrastructure Risks and Adaptation Efforts. GAO-14-74. Washington DC: GAO.

U.S. Government Accountability Office (GAO). (2015). Preparing for Climate Related Risks: Lessons from the Private Sector. Highlights of a Forum Convened by the Comptroller General of the United States Report to Congressional Addresses. GAO-16-126sp. Washington DC: GAO.

UK Space Agency. (2018). Space for Disaster Resilience in Developing Countries. Swindon: UK Space Agency.

United Nations Environment Programme. (2016). GEO-6 Regional Assessment for Latin America and the Caribbean. Nairobi, Kenya: UNEP.

United Nations Office for Outer Space Affairs. (2019). UN-SPIDER Knowledge Portal: Data application of the month: Emergency Response. <u>http://www.un-spider.org/links-and-resources/data-sources/daotm-emergencyresponse</u>

United Nations. (2002). General Assembly resolution A/C.2/57/L.38, World Summit on Sustainable Development. New York, New York: United Nations.

Urmee, T., Harries, D., & Schlapfer, A. (2009). Issues related to rural electrification using renewable energy in developing countries of Asia and Pacific. Renewable Energy, 34(2), 354-357.

Urpelainen, J. (2014). Grid and off-grid electrification: An integrated model with applications to India. Energy for Sustainable Development, 19, 66-71.

Urpelainen, J., Aklin, M., and Harish, S.P. (2015). A global database of rural electrification. London: International Growth Center.

Vachaparambil, K.J., Philips, E.A., Issar, K., Parab, V., Bahadur, D., and Gosh, S. (2014). Optimal Siting Considerations for Proposed and Extant Wind Farms in India. Energy Procedia, 52, 48-58.

Valsamma, K.M. (2012). Micro Grid Feasibility - A Multi-Scaling Approach. IOSR Journal of Engineering, 2:6, 1345-1351.

Van Nguyen, M., Arason, S., Gissurarson M., and Pálsson, P.G. (2015). Uses of geothermal energy in food and agriculture: Opportunities for developing countries. Rome: FAO.

Van Westen, C.J. (2000). Remote sensing for natural disaster management. Int. Arch. Photogrammetry and Remote Sensing, 33 (B7): 1609–1617.

Varshney, K.R., Chen, G.H., Abelson, B., Nowocin, K., Sakhrani, V., Xu, L., and Spatocco, B.L. (2015). Targeting Villages for Rural Development Using Satellite Image Analysis. Big Data, 3:1, 41-53.

Velpuri, N.M. and Senay, G.B. (2012). Assessing the potential hydrological impact of the Gibe III Dam on Lake Turkana water level using multi-source satellite data. Hydrol. Earth Syst. Sci., 16, 3561–3578.

Velpuri, N.M., Pervez, M.S., and Cushing, W.M. (2016). Hydropower Assessment of Bolivia—A Multisource Satellite Data and Hydrologic Modeling Approach. Reston, Virginia: U.S. Geological Survey.

Vestas Wind Systems. (2019). https://www.vestas.com/

Voigt, S., Giulio-Tonolo, F., Lyons, J., Kucera, J., Jones, B., Schneiderhan, T., Platzeck, G. et al. (2016). Global trends in satellite-based emergency mapping. Science 353:6296, 247-252.

Voigt, S., Kemper, T., Riedlinger, T., Kiefl, R., Scholte, K., and Mehl, H. (2007). Satellite Image Analysis for Disaster and Crisis-Management Support. IEEE Transactions on Geoscience and Remote Sensing, 45:6, 1520-1528.

Walker, G., Cass, N., Burningham, K., and Barnett, J. (2010). Renewable energy and sociotechnical change: imagined subjectivities of `the public' and their implications. Environment and Planning A, 42, 931-947.

Wan, C., Zhao, J., Song, Y., Xu, Z., Lin., J., and Hu, Z. (2015). Photovoltaic and Solar Power Forecasting for Smart Grid Energy Management. CSEE Journal of Power and Energy Systems, 1:4, 38-46.

Wang, X. and Xie, H. (2018). A Review on Applications of Remote Sensing and Geographic Information Systems (GIS) in Water Resources and Flood Risk Management. Water, 10:5, 608-619.

Warsaw International Mechanism for Loss and Damage. (2017). Compendium on Comprehensive Risk Management Approaches. Warsaw, Poland: UNFCCC.

Washaya, P., Balz, T., and Mohamadi, B. (2018). Coherence Change-Detection with Sentinel-1 for Natural and Anthropogenic Disaster Monitoring in Urban Areas. Remote Sens. 10(7): 1026.

Wekesa, F. and Gichini, B. (2016). The Use of GIS in Geothermal Resource Management—A Case Study of Olkaria Geothermal Project. Nairobi: KenGen.

Westberg, D.J., Stackhouse Jr, P.W., Hoell, J.M., and Chandler, W.S. (2013). An Analysis of NASA's MERRA Meteorological Data to Supplement Observational Data for Calculation of Climatic Design Conditions. ASHRAE Transactions, 119:2.

Whitefoot, J.W., Mechtenberg, A.R., Peters, D.L., and Papalambros, P.Y. (2011). "Optimal component sizing and forward-looking dispatch of an electrical microgrid for energy storage planning" in Proceedings of the ASME 2011 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (New York, New York: ASME), DETC2011-48513.

Whitlock, C.H., Stackhouse, Jr., P.W., Chandler, W.S., Hoell, J.M., and Zhang, T. (2004). "Renewable Energy Applications from NASA Satellite Analysis and Modeling" presented at AMS 13th Conference on Satellite Meteorology and Oceanography (Norfolk, Virginia: AMS).

Widen, J., Carpman, N., Castellucci, V., Lingfors, D., Olauson, J., Remouit, F., Bergkvist, M., Grabbe, M., and Waters, R. (2015). Variability assessment and forecasting of renewables: A review for solar, wind, wave and tidal resources. Renewable and Sustainable Energy Reviews, 44, 356-375.

Williams, R.C. and Phillips, A. (2014). Information and communication technologies for disaster risk management in the Caribbean. Santiago, Chile: United Nations.

Wood, C. (2015). GOCE gravity satellite data helps produce tool for geothermal energy development. Melbourne, Australia: New Atlas.

World Bank. (2010). Haiti: A Virtual Situation Room for Damage Assessment and Reconstruction. Washington DC: World Bank Group.

World Bank. (2012). Disaster risk management in Latin America and the Caribbean Region: GFDRR country notes. Washington DC: World Bank Group.

World Bank. (2013). Toward a sustainable energy future for all: directions for the World Bank Group's energy sector. Washington DC: World Bank Group.

World Bank. (2016). Earth Observations for Development: Brief. Washington DC: World Bank Group.

World Bank. (2018). "Chapter 2 – Electrification" in Tracking SDG7: The Energy Progress Report 2018 (Washington DC: World Bank Group), 16-39.

World Energy Council. (2016). World Energy Resources 2016. London: WEC.

Wurm, M., Stark, T., Zhu, X.X., Weigand, M., and Taubenbock, H. (2019). Semantic segmentation of slums in satellite images using transfer learning on fully convolutional neural networks

Xie, Y. and Weng, Q. (2016). Detecting urban-scale dynamics of electricity consumption at Chinese cities using time-series DMSP-OLS (Defense Meteorological Satellite Program-Operational Linescan System) nighttime light imageries. Energy, 100:1, 177-189.

Yadav, S.K. and Borana, S.L. (2017). Geospatial Database Generation and Analysis for Disaster Management: A Case Study of Jodhpur City. International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), 6:5, 220-225.

Yamazaki, F. and Zavala, C. (2013). SATREPS Project on Enhancement of Earthquake and Tsunami Disaster Mitigation Technology in Peru. Journal of Disaster Research, 8:2, 224-234.

Yanhua, X. and Qihao W. (2016). Detecting urban-scale dynamics of electricity consumption at Chinese cities using time-series DMSP-OLS (Defense Meteorological Satellite Program-Operational Linescan System) nighttime light imageries. Energy, 100, 177-189.

Yannawar, V.B., Bhosle, A.B., Khadke, P.A., and Waghmare, P.B. (2013). Disaster Management Plan for Nanded City by Using Geographical Information System. Researcher, 5:5, 75-80.

Yepes, C.A. and Botero, M.A. (2013). Implementing Space Technology into Sustainable Development and Resilience Theory. OASIS, 18, 117-128.

Young, O.R. and Onoda, M. (2017). "Chapter 1.4 Taxonomy of Roles" in Satellite Earth Observations and Their Impact on Society and Policy, eds. M. Onoda and O. Young (Singapore: Springer), 13-17.

Yu, M., Yang, C., and Li, Y. (2018). Big Data in Natural Disaster Management: A Review. Geosciences, 8: 165. DOI 10.3390.

Zaidi, A.Z. and Kahn, M. (2018). Identifying high potential locations for run-of-the-river hydroelectric power plants using GIS and digital elevation models. Renewable and Sustainable Energy Reviews, 89, 106-116.

Zayas, J., Derby, M., Gilman, P., Ananthan, S., Lantz, E., Cotrell, J., Beck, F., and Tusing, R. (2015). Enable Wind Power Nationwide. Oak Ridge: USDOE.

Zeiss, G. (2016). (Em)powering the Growth Engines. Amsterdam: Geospatial World.