# The Role of Private Developers in Physical Development of Greater Port Harcourt City

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**Abstract:** Private Developers initiates layouts or schemes for undeveloped land for orderly development of cities. They are the biggest residential housing providers in the cities (particularly at the peripheries of the cities) of Nigeria. These developers account for 55 – 70% of housing stock in the country. This study aimed at undertaking an examination of private developers' development activities at the periphery of the Greater Port Harcourt City. The target population of 17,132 was drawn from household of sampled peripheral communities. A mixed research method was adopted for the study. A simple random sampling technique was used to select respondents. A pilot survey was carried out to check and determine the reliability of the questionnaire before administering to the respondents. A total of 390 copies of questionnaires were administered. Data collected from primary sources included; personal observation and oral interviews. The key informant interview (Director Development Control, Greater Port Harcourt City Development Authority) was also employed. Secondary sources of date collected included the maps, books, journals, articles, sitelite images and other published and unpublished materials relating to this study. Univariate statistics was used to analyse data. The findings of the research showed that the private developers' development activities at the periphery of GPHC brought about orderly and organised development of neighbourhoods, easy access to land and increase in the value of land.

#### Introduction

Private developer refers to an individual, consortium, registered society, registered trust, cooperative housing society or association, body of individual corporate or incorporate agreeing to own or assemble or owning by purchase or otherwise land for development (Housing and Urban Planning Department of Uttar Pradash, 2018). It is also referred to as an entity or person that is legally and financially responsible for the planning, physical development, and maintenance of land and property (Public Art Ordinance of the City of Richmond California, 2017).

According to Pennsylvania Avenue Development Corporation (2012) private land developers are property developers within the private sector. They acquire property or land, construct or reconstruct them and sell to individuals or corporate organisations. Sometimes these private developers propose or initiate schemes or layouts for undeveloped land in order to develop an orderly and organised estate, which in turn increases the land value. Most times they sub-divide land (into plots) and sell to individuals and organisations. At other times they develop the land, rent or lease or sell the property out rightly to interested persons or organisations.

Ogu & Ogbuozobe (2001) noted that private developers are the biggest residential housing providers in the cities (particularly at the peripheries of the cities) of Nigeria. These developers account for 55 - 70% of housing stock in the country. They develop or build an average of 1-5 houses with finance from their personal savings.

Following independence in 1960, private developers' played active role in acquiring land for development as urban areas went througha strong phase of transition and growth in Nigeria. The spatial structures of cities were modified to absorb new inhabitants, functions and activities (Fourchard, 2003). The cities hosted structures used for administrative functions and government services, as well as institutions such as hospitals and educational facilities. Commercial activities of both small and big enterprises, industrial activities of all sorts started emerging in the cities. The commercial and other economic activities that went on in the cities attracted population from the rural to urban areas. Due to the influx of people to the urban area large amounts of lands were required for accommodating new inhabitants. The private land developers seized the opportunity to acquire land and developed properties (both residential and commercial) for rent and lease mainly at the edges of the cities (Onu and Onu, 2012).

Greater Port Harcourt City (GPHC) was established by Rivers State Law No 2 of 2009. The area incorporates the entire Port Harcourt City Local Government Area and portions of Obio/Akpor, Okirika and Ogu-Bolo. Ikwerre, Etche, Oyiegbo and Eleme Local Government areas. It was created to cater to the growing population of Port Harcourt Municipality, the increased demand for housing, modern urban amenities, medical and educational facilities, as well as services. Greater Port Harcourt City was also intended to deal with the

existing dimension of sprawl and changing the dynamics of land development (The Greater Port Harcourt Project, 2012).

#### The Study Area

Greater Port Harcourt City is located between Latitudes 4° 45' North, 4° 55' North and Longitudes 6° 55' East and 7° 05' East in Rivers State (see Fig 1.1). It had an estimated population of 3,171,076 people as at 2021 (United Nations, 2021) and it covers an area of approximately 1,900 km² (734 mi²) (The Tide, 2012). The area lies at the mouth of Bonny River (a tributary of the River Niger).

#### Climate

The climate of the area is characterized by two seasons; the rainy and the dry seasons. The rainy season extends from March to November. Rainfall reaches a peak in July, after which there is a short dry period in late August. Heavy rainfall usually resumes in September and tapers off during October and November. The rainy season winds (the South-west Monsoon) blow from the Atlantic Ocean, bringing in much of the rainfall. During the dry season (from November to February) a desert wind from the north known as the Harmatten prevails. It is characterised by thick haze and reduced visibility (World Meteorological Organisation, 2016).

The relative humidity is high throughout the year with a minimum of about 80 per cent and a maximum of 90 per cent. The relative humidity decreases during the course of the dry season and fluctuates more irregularly during the rainy season. The average maximum temperatures range from 29°C during the rainy season to 32°C during the drier months. Minimum temperatures reach about 20°C during the moderate mild periods (World Meteorological Organisation, 2016).

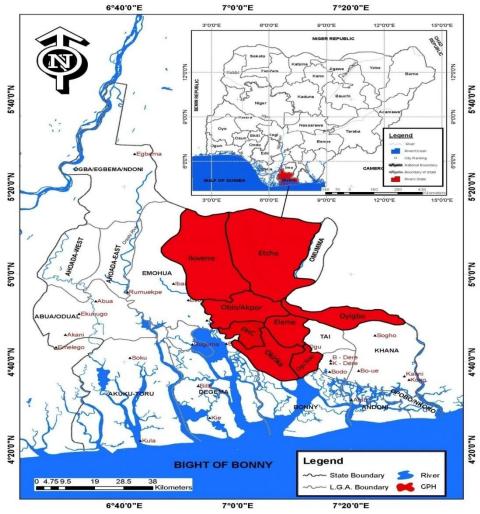


Fig. 1.1: Map of Rivers State Showing the Study Area

Source: Department of Urban and Regional Planning GIS, (2023).

#### History

Port Harcourt is the capital of Rivers State in the south-south with a population of 3,171,076 and the fifth most populous city in Nigeria (The Tide, 2012). The city was founded in 1912 and was named after Lewis Vernon Harcourt (then British Secretary of State for the Colonies) in 1913 when, Sir Fredrick Lugard (then British Governor General of the Northern and Southern Protectorates of Nigeria) wrote to Harcourt to name the new port after his name which he obliged (Okafor, 1973; Hudgens, &Trillo, 2003). The area before 1912 was farmland for the Rebisi people of Ikwerre ethnic group. The port was created to export coal from Enugu located 243 kilometres north of Port Harcourt (Williams, 2008).

#### **Economy**

The economy of Port Harcourt became based on petroleum when the first shipment of Nigeria crude oil was exported through the city in 1958. Port Harcourt is the chief oil-refining city in Nigeria and has two main oil refineries located at Eleme. Both refineries process around 210,000 barrels of crude oil a day, both operated by the Port Harcourt Refining Company (Ogbuigwe, 2018). Rivers State is one of the wealthiest states in Nigeria in terms of gross domestic product and foreign exchange revenue from the oil industry, crude oil being its principal export earner, (Ogbuigwe, 2018). Today, oil companies like Shell, Agip, and Chevron etc. have their head offices in Port Harcourt. The Rivers State Government House, Rivers State University and some institutions are located in the city. They include; the University of Port Harcourt, Captain ElechiAmadi Polytechnic, Ignatius Ajuru University of Education, and Rivers State College of Health Science, and Technology and the just completed Port Harcourt Law School campus.

## The Role of Private Developers' in Land Development in the Study Area

The study found that private developers acquired massive land (some in conjunction with the community leaders) in the study area.

They prepare layout plan (neighbourhood plan). The land is sub-divided into different landuses (residential, commercial, agricultural and industrial).

They secure approval of the layout plan from the GPHCDA.

The sub-divided land is sold to individuals and firms that develops' their plots according to the guideline and regulations provided by the private land developers.

Privatedevelopers' assist those that purchase land to secure title deeds.

They encourage buyers to make payments in instalments.

They also, make rules and regulations that govern the estates (in terms of security and infrastructure provision).

They protect the land from aggressors from the community.

## Conclusion

This study has concluded that private developers' and development activities exist in the study area. It is an activity practiced mainly by Private Land Developers (Estate Developers) mainly male with high education, indigenes and high income earners.

## References

- [1]. Atu, J. E.; Offiong, R. A.; Eni, D. I.; Eja, E. I., & Esien, O. E., (2012). The Effects of Urban Sprawl on Peripheral Agricultural Lands in Calabar, Nigeria. International Review of Social Sciences and Humanities; Vol. 2, No. 2.
- [2]. Areola, O., (1994). The Spatial Growth of Ibadan City and its impact on the rural Hinterland. In: Filani, M.O., Akintola, F.O., & Ikporukpo, C.O., eds. Ibadan Region. Ibadan (Nigeria): Rex Charles Publication; 1994. p. 99. 9
- [3]. Atkinson, R., (2012). Does Gentrification Help or Harm Urban Neighborhoods? An Assessment of the Evidence-Base in the Context of the New Urban Agenda. Retrieved from https://www.esrc centre for neighborhood research on 2/2/2023.
- [4]. Aterkyi I. K. O., (2006). Customary Land Administration in Ghana, the Historical Perspective. Paper presented at the Annual Seminar of the Institute of Surveyors, Accra, Ghana.
- [5]. Awadall, H.I., (2013). Health Effect of Slums: A Consequence of Urbanization. Scholarly Journal of Medicine 3(1), 7–14.
- [6]. Afenah, A., (2010). Reclaiming Citizenship Rights in Accra. In Sugranyes, A., & Mathivet, C. (eds.) Cities for All: Proposals and Experiences Towards the Right to the City. Retrieved from https://www.santiagohabitat international coalition.org on 3/2/2023.

- [7]. Ali, M.H., & Suleiman, N., (2016). Sustainable Food Production: Insights of Malaysian Halal Small and medium Sized Enterprises. International Journal of Production Economics 181 Part B, 303–314
- [8]. Akintoye, I.R., (2008). Reducing Unemployment through the Informal Sector: A Case Study of Nigeria. European Journal of Economic and Administrative Sciences 11, 97–106
- [9]. Amnesty International (2011). 'When We Sleep, We Don't Sleep': Living Under Threat of Forced Eviction in Ghana. Retrieved from https://www.amnesty.org/en/wp-content/uploads/2021/06/afr280032011en.pdf 4/2/ 2023
- [10]. Amoako, C., & Cobbinah, P.B., (2011). Slum Improvement in the Kumasi Metropolis: Review of Results and Approaches. Journal of Sustainable Development in Africa 13(8), 150–170
- [11]. Adedini, S., (2023). Nigeria Cities are growing Fast. Retrieved from <a href="https://www.downtoearth.org.in.nigeria">https://www.downtoearth.org.in.nigeria</a> on 30/5/2023
- [12]. ATSIC/DIA, (1999). Government of western Australia. Retrieved from <a href="https://www.wa.gov.au">https://www.wa.gov.au</a> on 15/2/2023.
- [13]. Andrews, F., Morgan, J., Sonquist, J., & Klem, L., (1973).Multiple Classification Analysis.Institute of Social research.Ann Abor: The University of Michigan.
- [14]. Aweh, D., (2002). Implementation of the Hazards and Effects Management Process. Retrieved from <a href="https://www.academia.edu">https://www.academia.edu</a> on 30/7/2023.
- [15]. Awumbila, M., Owusu, G. & Teye, J.K., (2014). Can Rural-Urban Migration into Slums Reduce Poverty? Retrieved from https://opendocs.ids.ac.uk/opendocs/handle on 11/2/2023).
- [16]. Basile, P., & Ehlenz, M.M., (2020). Examining Responses to Informality in the Global South: A framework for Community Land Trusts and Informal Settlements. Habitat International 96: Article 102108.
- [17]. Baskin, C., (1966). Central Places in Southern Germany.Retrieved from www.geography.rustrosting.nl on 20/5/2023.
- [18]. Backstrom, C. H., & Hursh-Cesar, G., (1981). Survey Research. Retrieved from <a href="https://en.m.wikiversity.org">https://en.m.wikiversity.org</a> on 7/7/2022
- [19]. Buch, M. N., (1993). Environmental Consciousness and Urban Planning. New Delhi: Longman ltd
- [20]. Blalock, H., (1979). Social Statistics. New York: McGraw Hill Book Company
- [21]. Braun, V., & Clarke, V., (2006). Using Thematic Analysis in Psychology. Qualitative Research in Psychology 3(2), 77–101.
- [22]. Breitmayer B.J., Ayres L., Knafl K.A., (1993). Triangulation in qualitative research: Evaluation of completeness and confirmation purposes. Wiley Online Library.
- [23]. Brown-Luthango, M., Reyes, E. & Gubevu, M., (2017). Informal Settlement Upgrading and Safety: Experiences from Cape Town, South Africa. Journal of Housing and the Built Environment 32(3), 471–493.
- [24]. Bogle, J. E., (2012).Dialectics of Urban Proposals for Saigon Metropolitan Area. Retrieved from www.en.m.wikipedia.org on 9/2/2023
- [25]. Boucinhas, C., & Lima, C. P. C. S., (2013).Urbana. Brazilian Journal of Urban Management.Retrieved from <a href="https://www.wikipedia.org">www.wikipedia.org</a> on 30/1/2023
- [26]. Burgess, E., (1925). The City.Retrieved from www.en.m.wikipedia.org on 31/1/2023.
- [27]. Caneva, E., (2014). The Integration of Migrant in Italy.Retrieved from <a href="https://cadmas.eni.en">https://cadmas.eni.en</a> on 28/5/2023.
- [28]. Confied, J., (2014). History Dictionary of Ho Chi Minh City.Retrieved from www.en.m.wikipedia.org on the 9/2/2023.
- [29]. Chua, N., (2007). Hem City Web (in Vietnam). Retrived from <a href="www.en.m.wikipedia">www.en.m.wikipedia</a> org on 9/2/2023.
- [30]. Chien, K.H., (2018). Entrepreneurialising Urban Informality: Transforming Governance of Informal Settlements in Taipei. Urban Studies 55(13), 2886–2902.
- [31]. Chiodelli, F., & Moroni, S., (2014). The Complex Nexus between Informality and the Law: Reconsidering Unauthorised Settlements in Light of the Concept of Nomotropism. Geoforum 51, 161–168
- [32]. Codjoe, S.N.A., Badasu, D.M., & Kwankye, S.O., (2014). Population Studies: Key Issues and Contemporary Trends in Ghana. Vol 5. Accra: Sub-Saharan Publishers
- [33]. Cohen, B., (2006). Urbanization in Developing Countries. Current Trends, Future Projections, and key Challenges for Sustainability. Technology in Society 28(1-2), 63–80.
- [34]. Creswell, J. W., (2014). Research Design.Qualitative, Quantitative and Mixed methods Approaches. Thousands Oaks.CA; Saga publications.

- [35]. Creswell, J.W., (2009). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. 3rd ed. Los Angeles, CA: SAGE
- [36]. Creswell, J. W., Clark, V.L., (2011). Designing and Conducting Mixed Method Research. Retrieved from <a href="https://www.scrip.org">https://www.scrip.org</a> on the 23/1/23
- [37]. Crush, J., Nickanor, N. & Kazembe, L., (2019). Informal food deserts and household food insecurity in Windhoek, Namibia. Sustainability 11(1): Article 37.
- [38]. Da Cruz, N.F., Rode, P. & McQuarrie, M., (2019). New Urban Governance: A Review of Current Themes and Future Priorities. Journal of Urban Affairs 41(1), 1–19
- [39]. Davis, L.S., (2006). Growing Apart: The Division of Labor and the Breakdown of Informal Institutions. Journal of Comparative Economics 34(1), 75–91.
- [40]. Davies H.W. E, Steeley, G. C., John, F. & Roger, W. S., (1980). Policy Forum: The Relevance of Development Control: The Town Planning Review. Vol. 51, pp. 5-24.
- [41]. David, F. (2010). Land Allocation and its Effect on Spatial Planning and Development of Kumasi Metropolis. Unpublished PhD Dissertation submitted to the Department of Geography and Rural Development, Kwame Nkrumah University of Science and Technology, Kumasi.
- [42]. Davidoff, P., (1965). Advocacy and Pluralism in Planning. The City Reader.
- [43]. Department of Commerce, Community and Economic Development, (2017). Retrieved from <a href="https://www.commerce.alaska.gov">https://www.commerce.alaska.gov</a> on 15/2/2023
- [44]. Di Benedetto, (2017). Peripheral Centralities: An integrated Approach. Retrieved from <a href="https://sciencedirect.com">https://sciencedirect.com</a> on 28/5/2023
- [45]. Dinardi, C., (2019). Creativity, Informality and Cultural Work in Rio de Janeiro's Favelas. International Journal of Cultural Studies 22(2), 248–263
- [46]. Doeringer, P.B., (1986). Internal Labor Markets and Noncompeting Groups. American Economic Review 76(2), 48–52.
- [47]. Dovey, K. & King, R., (2011). Forms of Informality: Morphology and Visibility of Informal Settlements. Built Environment 37(1), 11–29.
- [48]. Drakulich, K.M. & Crutchfield, R.D., (2013). The Role of Perceptions of the Police in Informal Social Control: Implications for the Racial Stratification of Crime and Control. Social Problems 60(3), 383–407.
- [49]. De Brauw, A. & Mueller, V., (2014). The Role of Rural-Urban Migration in the Structural Transformation of Sub-Saharan Africa. World Development, Vol 63, pp. 33-422
- [50]. Dietz, H., (1981). Poverty Problem-solving. Retrieved from <a href="https://cambridge.org">https://cambridge.org</a> on 14/2/2023.
- [51]. Ebiri, K., (2015). Greater Port Harcourt City. Retrieved from https://www.guadian.ng on 3/3/23
- [52]. Encyclopedia of Alabama.Retrieved from www.en.m.wikipedia.org on 2/2/2023.
- [53]. European Conference of Ministers for Spatial /Regional Planning territory and landscape (2007). Retrieved from journals.saga.com on 23/5/2023.
- [54]. Everett, M., (2001). Evictions and human rights: Land Disputes in Bogotá, Colombia. Habitat International 25(4), 453–471.
- [55]. Frenkel, A., & Ashkenazi, M., (2008). Measuring Urban Sprawl: How Can We Deal with It?, Environ Plan Design. 35 (1) (2008), pp. 56–76
- [56]. Fourchard L., (2003). Urban Slums Reports: The Case of Ibadan, Nigeria. Retrieved from <a href="https://books.openedition.org">https://books.openedition.org</a> on 10/2/2023
- [57]. Fox, S., (2012). Urbanization as a Global Historical Process: Theory and Evidence from sub-Saharan Africa. Population and Development Review, Vol. 38 (2), pp. 285-310.
- [58]. Felix W., & Sacha D. B., (2007). Insiders' Guide to Cincinnati. Globe Pequot, pp. 304.
- [59]. Federico, S., (2013). What Happens to Urban Periphery? Retrieved from journal.saga.com on 23/5/2023.
- [60]. Fujii, T., & Hartshorni, T.A., (1995) The Changing Metropolitan Structure of Atlanta, Georgia: Locations of Functions and Regional Structure in a Multinucleated Urban Area, Urban Geography, 16(8), 680-707, DOI: 10.2747/0272-3638.16.8.680
- [61]. Fulton, W., Pendel R., Nguyen M., & Harrisson A., (2001). Who Sprawls Most? How Growth Patterns Differ Across the USA. Retrieved from <a href="https://www.brookings.edu">https://www.brookings.edu</a> on 20/2/23.
- [62]. Gallo, M.A., Tapies, J., & Cppuyns K., (2004). Comparison of Family and Nonfinancial Business: Financial Logic and Personal Preferences. Retrieved from <a href="https://doi.org/10.1111j">https://doi.org/10.1111j</a> on 20/2/23.
- [63]. Gilbert, A., (2007). The Return of the Slum: Does Language Matter? International Journal of Urban and Regional Research 31(4), 697–713
- [64]. Garreau, J., (1991). An Overview of the Edge City. Retrieved from <a href="https://thoughtco.com/edgecity-1435778">https://thoughtco.com/edgecity-1435778</a>

- [65]. Grant, R., (2009). Globalizing City: The Urban and Economic Transformation of Accra, Ghana. Syracuse: Syracuse University Press.
- [66]. Grant, R., & Yankson, P., (2003). Accra. Cities 20(1), 65–74.
- [67]. Harris, C., & Ullman E., (1945). The Nature of Cities. Retrieved from <a href="https://en.m.wikipedia.org">https://en.m.wikipedia.org</a> on 20/2/23.
- [68]. Herrle, P., & Fokdal, J., (2011). Beyond the Urban Informality Discourse: Negotiating Power, Legitimacy and Resources. Geographische Zeitschrift 99, 3–15.
- [69]. Hudgens, J., & Trillo, R., (2003). The Rough Guide to West Africa.Retrieved from www.en.m.wikipedia.org.on the 9/2/2023
- [70]. Harvey, D. (2014). Cidadesrebeldes: do direito a cidadea revoluçãourbana (1st ed.). São Paulo: Martins Fontes
- [71]. Hermming (1972). The Conquest. Retrieved from <a href="https://www.cambridge.org">https://www.cambridge.org</a> on the 12/2/2023
- [72]. Housing and Urban Planning Department Government of Uttar Pradash, (2018). Pradham Mantri Awas Aojna Housing for All Mission.Retrieved from <a href="https://lawinsider.com">https://lawinsider.com</a> on 18/5/2023.
- [73]. Jedwab, R., Christiaensen, L., & Gindelsky, G., (2014). Rural Push, Urban Pull and...Urban Push? New Historical Evidence from Developing Countries. Institute for International Economic Policy Working Paper Series 4, Elliott School of International Affairs, The George Washington University.
- [74]. Jones, P. 2017. Formalizing the informal: Understanding the position of informal settlements and slums in sustainable urbanization policies and strategies in Bandung, Indonesia. Sustainability 9(8): Article 1436
- [75]. Jones, P., (2019). The shaping of form and structure in informal settlements: A case study of order and rules in Lebak Siliwangi, Bandung, Indonesia. Journal of Regional and City Planning 30(1), 43–61
- [76]. Kellett, P. & Napier, M., (2014). Squatter architecture? A critical examination of vernacular theory and spontaneous settlement with reference to South America and South Africa. Traditional Dwellings and Settlements Review 6, 7–24.
- [77]. Kendie, S. B., (2011). Re-claiming development: Appreciating the Basics for Effective Local Level Development in Ghana. Accessed on 14/05/2022 from www.ucc.edu.gh/sites/.../inaugral%20lecture%20(Prof.%20kendie.
- [78]. Khalifa, M.A., (2015). Evolution of informal settlements upgrading strategies in Egypt: From negligence to participatory development. Ain Shams Engineering Journal 6(4), 1151–1159.
- [79]. Kish, L., (1995). Survey Sampling. New York. John Wiley and Sons
- [80]. Kenton, (2019). Descriptive Statistics. Retrieved from <a href="https://www.coursehero.com">https://www.coursehero.com</a>.
- [81]. Kovacic, Z., Musango, J.K., Ambole, L.A., Buyana, K., Smit, S., Anditi, C.,& Nsangi, G. (2019). Interrogating differences: A Comparative Analysis of Africa's Informal Settlements. World Development 122, 614–6
- [82]. Kübler, D. & Lefèvre, C., (2017). Megacity Governance and the State. Urban Research & Practice 11(4), 378–395.
- [83]. King Pamela S., & Christy A., (2001). "Hollywood Historic District". National Register of Historic Places Registration Form.National Park Service.Retrieved form www.en.m.wikipedia.org on 4/2/2023.
- [84]. Levin, S., (2014). The Fight to Develop West Oakland. East BayExpress. Retrieved from https://eastbayexpress.com/the-fight-to-develop-west-oakland-1/ on the 4/2/2023.
- [85]. Lewis, J., (2011). Mixed Method Research. Oxford University press
- [86]. Mahabir, R., Crooks, A., Croitoru, A., & Agouris, P., (2016). The Study of Slums as Social and Physical Constructs: Challenges and Emerging Research Opportunities. Regional Studies, Regional Science 3(1), 399–419.
- [87]. Matamanda, A.R., (2020). Battling the informal settlement challenge through sustainable city framework: Experiences and lessons from Harare, Zimbabwe. Development Southern Africa 37(2), 217–231.
- [88]. Mc Gee, T., (1991). The Extended Metropolis: Settlement Transition in Asia. Honolulu, Hi university of Hawaii Press.
- [89]. Mitra, S., Mulligan, J., Schilling, J., Harper, J., Vivekananda, J. & Krause, L., (2017).
- [90]. Developing risk or resilience? Effects of slum upgrading on the social contract and social cohesion in Kibera, Nairobi. Environment and Urbanization 29(1), 103–122
- [91]. Monney, I., Odai, S.N., Buamah, R., Awuah, E. & Nyenje, P.M. (2013). Environmental impacts of wastewater from urban slums: Case study Old Fadama, Accra. International Journal of Development and Sustainability 2(2), 711–728.

- [92]. Morakinyo, K. O., Ogunrayewa, M. O., Koleosho, B. O. & Adenubi, O. O., (2012). Urban Informal settlements as Spatial Manifestations of Urbanization in Sub-Saharan Africa: A Case Study of Ajegunle Informal settlement Settlement, Lagos, Nigeria. Developing Country Studies; Vol 2, No.11.
- [93]. Mabogunje, AL., (1976). Cities and African development, studies in the development of African resources. Vol. 3. Ibadan (Nigeria): Oxford University Press; 1976.
- [94]. Mahabir, R., Crooks, A., Croitoru, A. & Agouris, P., (2016). The Study of Slums as Social and Physical Constructs: Challenges and Emerging Research Opportunities. Regional Science 3(1), 399–419.
- [95]. Matamanda, A.R., (2020). Battling the Informal Settlement Challenge through Sustainable City Framework: Experiences and lessons from Harare, Zimbabwe. Development Southern Africa 37(2), 217– 231
- [96]. Meredith, M., (2005). The Fate of Africa: from the hopes of Freedom to the hearts of Despair; a History of Years of Independence. New York P.201.
- [97]. Meth, P., Goodfellow, T., Todes, A., & Chartton, S., (2021). Conceptualizing Africa Urban Peripheries. International Journal of Urban and Regional Research Vol 45, (6), 985-1007
- [98]. Mitra, S., Mulligan, J., Schilling, J., Harper, J., Vivekananda, J. & Krause, L., (2017).
- [99]. Developing risk or resilience? Effects of slum upgrading on the social contract and social cohesion in Kibera, Nairobi. Environment and Urbanization 29(1), 103–122.
- [100]. Monney, I., Odai, S.N., Buamah, R., Awuah, E. & Nyenje, P.M., (2013). Environment 1 impacts of wastewater from urban slums: Case study Old Fadama, Accra. International Journal of Development and Sustainability 2(2), 711–728.
- [101]. Montgomery, M.R., (2008). The Urban Transformation of the Developing World. Science 319(5864), 761–764.
- [102]. More, N.S., Das, S., Bapat, U., Alcock, G., Manjrekar, S., Kamble, V., & Osrin, D., (2017). Community Resource Centres to Improve the Health of Women and Children in Informal Settlements in Mumbai: A cluster-randomized, controlled trial. The Lancet: Global Health 5(3), e335–e349.
- [103]. Mukumba, C.P., (2019). Enablement Approaches to the Upgrading of Informal Settlements: A Case Study of Misisi Compound in Lusaka, Zambia. Master's dissertation. University of the Free State, Bloemfontein. Retrieved from https://scholar.ufs.ac.za/bitstream/handle/11660/10423/MukumbaCP.pdf?sequence=1&isAllowed=y on 30/1/2023.
- [104]. Nuissl, H., & Heinrichs, D., (2013). Slums: Perspectives on the Definition, the Appraisal and the Management of an Urban Phenomenon. DIE ERDE: Journal of the Geographical Society of Berlin 144(2), 105–116,
- [105]. Naku, D., (2002). Illegal Refining: Port Harcourt residents choked, remain in endless battle with soot. Retrieved from punch.com on the 4/8/2022
- [106]. Nieves, E., (2000). Mission District Fights Case of Dot Com Fever New York Times.Retrieved from <a href="https://www.nytimes.com/2000/11/05/us/mission-district-fights-case-of-dot-com-fever.html">https://www.nytimes.com/2000/11/05/us/mission-district-fights-case-of-dot-com-fever.html</a> on 30/2/2023.
- [107]. Nigeria Demographic and Health Survey, (2003). Household Population and Housing Characteristics. Retrieved from <a href="https://dhsprogram.com>pubs>pdf">https://dhsprogram.com>pubs>pdf</a> on 30/5/2023.
- [108]. Nwokaeze, E., (2021). Assessment of Extent of Implementation of Greater Port Harcourt City.International Journal of Advances in Engineering and Management Retrieved from <a href="https://www.ijaem.net.on/4/2/2023">www.ijaem.net.on/4/2/2023</a>.
- [109]. Ogbuikgwe, A., (2018). Refining in Nigeria: History, Challenges and Prospects. Applied Retrochemical Research. Retrieved from <a href="https://www.en.m.wikipedia.org">www.en.m.wikipedia.org</a> on the 29/5/2022
- [110]. O'Hare, P., Diamond, J., (2010). Capacity Building for Community-Led Regeneration: Facilitating or Frustating Public Engagement? International Journal of Sociology and Social Policy 30:32-47.
- [111]. Odoemene A., (2005). From labour settlement to cosmopolitan city: dynamics of migration and urbanisation in Enugu's development. Retrieved on 2/2/2023 from http://www.ccsenet.org/journal/index.php/ass/article/view/1209,
- [112]. Onibokun, A., (1983). Housing in Nigeria. Ibadan (Nigeria): University Press Ibadan; 1983. Retrieved on the 2/2/2023 from http://www.kcl.ac.uk/sspp/departments/geography/people/academic/potts/PottsWP6.pdf
- [113]. Okafor, S.O., (1973). Port Harcourt Issues.Retrieved from www.en.m.wikipedia.org on the 9/5/2022.

- [114]. Ogu, E., & Vincent I., (2005).Urban Infrastructure Development and Sustainability in Nigeria. Human Settlement Development, Volume III. UNESCO-EOLSS
- [115]. Ogu, V., & Ogbuozobe, J., (2001). Housing Policy on Nigeria: Towards Enablement of private Housing Development. Habitat International, 22, pp 473-492
- [116]. Onu, V., & Onu, A. J. C., (2012) Urban Residential Housing and Low income Earners: A study of Makurdi Metropolis, Benue state, Nigeria. European Scientific Journal; Volume. 8, Number 28.
- [117]. Ozo, A., (2009). Urban change and conflict in the traditional character of an African city: the example of Benin City, Nigeria. Retrieved from <a href="https://www.researchgate.net">https://www.researchgate.net</a> on 3/3/2023.
- [118]. Owei, O., Ede, P., & Akarolo, O., (2008). Land Market Distortions in Nigerian Cities and Urban Sprawl. 44th ISOCARP Congress, 2008.
- [119]. OtengAbabio, M., Tanle, A., Amoah, S.T., Kusi, L., Kosoe, E.A. & Bagson, E., (2019). 'Informal exceptionalism?' Labour migrants' creative entrepreneurship for su, stainable livelihoods in Accra, Ghana. Journal of Asian and African Studies 54(1), 88–103.
- [120]. Patel, A., Koizumi, N. & Crooks, A., (2014). Measuring Slum Severity in Mumbai and Kolkata: A household-based approach. Habitat International 41, 300–306.
- [121]. Pattons, M.Q., (2002). Qualitative Research and Evaluation Methods.Retrieved from <a href="https://www.sciepub.com">https://www.sciepub.com</a> on 30/7/2023.
- [122]. Pieterse, E. & Van Donk, M., (2014). Citizenship, Design Activism and Institutionalizing Informal Settlement Upgrading. Retrieved from <a href="https://www.academia.edu/12209210/Citizenship design activism and informal settlements upgrading">https://www.academia.edu/12209210/Citizenship design activism and informal settlements upgrading on 30/1/2023.</a>
- [123]. Public Art Ordinances of the City of Richmond California, (2017). Arts and Culture Amended Commission. Retrieved from <a href="https://www.lawinsider.com">www.lawinsider.com</a> on 18/5/2023.
- [124]. Perales, N., (2017) Blinding White in the valley of the Bros Colorbloq: The Stories of Us. Retrieved from https://www.colorbloq.org/article/blinding-white-in-the-valley-of-the-bros on 2/6/2023.
- [125]. Pennsylanvia Avenue Development Corporation, (2012). Private Developer. Retrieved from <a href="https://www.lawinsider.com">https://www.lawinsider.com</a> on 18/5/2023.
- [126]. Pelras, C., (1996). The Bugis. Oxford: Black Publisher
- [127]. Polit, D. F., & Hungler, B. P., (1999). Nursing Research: Principles and Methods; 6th edition. Philadelphia: JB Lippincott
- [128]. Potts, D., (2018). Urban data and definitions in Sub-Saharan Africa: mismatch between the pace of urbanization and employment and livelihood change. Urban Studies 55.5, 965-86
- [129]. Price, P. C., Jhangiani, R.S., & Chiang. I. A., (2020). Research Methods in Pschology. Press books Canada.
- [130]. Quattrochi, D.A., & Luvall, J.C., (1999). Thermal Infrared Remote Sensing for Analsis of Landscape Ecology. Retrieved from https://www.scrip.orgon 20/2/23.
- [131]. Rains, E. & Krishna, A., (2020). Precarious gains: Social Mobility and Volatility in Urban Slums. World Development 132: Article 105001.
- [132]. Rapley, J., (2007). Understanding Development: Theory and Practice in the Third World. Third Edition, ISBN: 978-1-58826-538-8 pb, Boulder, USA
- [133]. RLS HUMAN CARE, (2019).Hazard Identification Risk Assessment. Retrieved from <a href="https://www.rlsdhamal.com">https://www.rlsdhamal.com</a> on 2/8/2023
- [134]. Robinson, J. 2016. Comparative urbanism: New geographies and cultures of theorizing the urban. International Journal of Urban and Regional Research 40(1), 187–199
- [135]. Roy, A., (2010). Informality and the Politics of Planning. Healey, P. & Hillier, J. (eds.) The Ashgate Research Companion to Planning Theory: Conceptual Challenges for Spatial Planning, 87–107. 1st ed. eBook. Routledge. Retrieved from <a href="https://www.routledge.com/The-Ashgate-Research-Companion-to-Planning-Theory-Conceptual-Challenges/Healey-on Hillier/p/book/9780754672548">https://www.routledge.com/The-Ashgate-Research-Companion-to-Planning-Theory-Conceptual-Challenges/Healey-on Hillier/p/book/9780754672548</a> on 31/2/2023.
- [136]. Rakodi C., (2007). Land for Housing in African Cities: Are Informal Delivery Systems Institutionally Robust and Pro-poor? Retrieved from www.en.m.wikipedis.org on 10/2/2023.
- [137]. Rajasurian, V., (2022). What's the difference Free Malaysia Today. Retrieved from https://www.freemalaysiatoday.com/category/leisure/property/2022/01/04/soho-sovo-and-sofo-whats-the-difference/
- [138]. Runeson, P., & Host, M., (2009). Guidelines for conducting and reporting case study research. Retrieved from <a href="https://www.semantischolar.org">https://www.semantischolar.org</a> on the 4/8/2022.
- [139]. Ramon () The Script

- [140]. Şahin, A., Tansel, A. & Berument, M.H., (2014). Output–employment relationship across employment status: Evidence from Turkey. Macroeconomics and Finance in Emerging Market Economies 7(1), 99–121.
- [141]. Sajjad, A.S., (2020). Hazard and Effect Management Process (HEMP). Retrieved from https://:www.linkedin.com on 8/8/2023.
- [142]. Sakijege, T., Sartohadi, J., Marfai, M.A., Kassenga, G.R. & Kasala, S.E., (2014). Assessment of adaptation strategies to flooding: A comparative study between informal settlements of Keko Machungwa in Dar es Salaam, Tanzania and Sangkrah in Surakarta, Indonesia. Jàmbá: Journal of Disaster Risk Studies 6(1): Article 131
- [143]. Satterthwaite, D., (2016). Missing the Millennium Development Goal targets for water and sanitation in urban areas. Environment and Urbanization 28(1), 99–118.
- [144]. Saunders, B., Sim, J., Kingstone, T., Baker, S., Waterfield, J., Bartlam, B. & Jinks, C., (2016). Saturation in Qualitative Research: Exploring its conceptualization and operationalization. Quality & Quantity 52(4), 1893–1907.
- [145]. Simone, A., (2015). The Urban poor and their Ambivalent Exceptionalities: Some notes from Jakarta. Current Anthropology 56(S11), S15–S23.
- [146]. Stacey, P. & Lund, C., (2016). In a state of slum: Governance in an informal urban settlement in Ghana. Journal of Modern African Studies 54(4), 591–615.
- [147]. Shaw, E., (1999). Emerging Patterns of urban Growth in India. Economic and Political Weekly.
- [148]. Takyi, S.A., Amponsah, O., Yeboah, A.S. & Mantey, E., (2021). Locational Analysis of Slums and the Effects of Slum dweller's Activities on the Social, Economic and Ecological facets of the city: Insights from Kumasi in Ghana. Geo Journal 86, 2467–2481
- [149]. Taylor, N., (1998). Urban Planning Theory.Retrieved from <a href="https://www.en.m.wikipedia.org">https://www.en.m.wikipedia.org</a> on 10/7/2022
- [150]. Tashakkori, A., Teddie, C., (1998). Mixed Methodology: Combining Quantitative and Qualitative. Retrieved from <a href="https://psycnet.apa.org">https://psycnet.apa.org</a> on the 21/1/22
- [151]. Teddie, C., Tashkkori, A., (2009). A Foundation of Mixed Method Research. Retrieved from <a href="https://www.scrip.orgon">https://www.scrip.orgon</a> the 24/1/22
- [152]. Tipple, G., (2015). Housing Policy-making in Africa: Ten common Assumptions. Habitat International 49, 413–418.
- [153]. The Tide (2012).Retrieved from www.en.m.wikipedia.org on 2/2/2023.
- [154]. Todes, A., (2011). Reinventing planning: Critical reflections Urban Forum 22(2), 115-133
- [155]. Turley, R., Saith, R., Bhan, N., Rehfuess, E. & Carter, B., (2013). Slum Upgrading Strategies Involving Physical Environment and Infrastructure Interventions and Their Effects on Health and Socioeconomic Outcomes. Cochrane Retrieved from <a href="https://www.cochranelibrary.com/cdsr/doi/10.100214651858.CD010067.pub2/full">https://www.cochranelibrary.com/cdsr/doi/10.100214651858.CD010067.pub2/full on 11/2/202.</a>
- [156]. Turok, I., (2015). Turning the Tide? The Emergence of National Urban Policies in Africa. Journal of Contemporary African Studies 33(3), 348–369.
- [157]. The Greater Port Harcourt Project (2016). Retrieved from www.en.m.wikipedia.orgon 2/2/2023.
- [158]. Torrens P, Alberti M. 2000.Measuring sprawl, WP 27 [Internet]. London (UK): Centre for Advanced Spatial Analysis, University College London
- [159]. UN-Habitat (2014). A New Strategy of Sustainable Neighbourhood Planning: Five Principles. Retrieved from <a href="https://unhabitat.org/sites/default/files/documents/2019-05/five-principles-of-sustainable-neighborhood-planning.pdf">https://unhabitat.org/sites/default/files/documents/2019-05/five-principles-of-sustainable-neighborhood-planning.pdf</a> on 30/1/2023.
- [160]. UN-Habitat (2015). International Guidelines on Urban and Territorial Planning. Retrieved from https://unhabitat.org/sites/default/files/download-manager-files/IG-UTP\_English.pdf on 30/1/2023.
- [161]. UN-Habitat (2016). World Cities Report: Urbanization and Development Emerging Futures. Nairobi: United Nations Human Settlements Programme. Retrieved from <a href="https://unhabitat.org/sites/default/files/download-manager-files/IG-UTP\_English.pdf">https://unhabitat.org/sites/default/files/download-manager-files/IG-UTP\_English.pdf</a> on 30/1/2023
- [162]. UN-Habitat (2017). Implementing the New Urban Agenda by Strengthening Urban-Rural Linkages: Leave No One and No Space Behind. Retrieved from https://unhabitat.org/sites/default/files/download-manager
  - $files/Urban\%\,20 Rural\%\,20 Linkages\%\,20 for\%\,20 implementing\%\,20 the\%\,20 New\%\,20 Urban\%\,20 Agenda\_08\,112017.pdf$  on 30/1/2023.
- [163]. United Nations (2003).United Nations Development Report 2003.Retrieved from <a href="https://www.unic.un.org.pl">https://www.unic.un.org.pl</a> on 21/2/2023

- [164]. United Nations, (2012).Department of Economic and Social Affairs, Population Division.Retrieved from <a href="https://www.undp.org.publication">https://www.undp.org.publication</a> on 21/1/2023
- [165]. Ugbo, J., (2021). Roles of Private Developers in Housing Development.Retrieved from <a href="https://www.independent.academia.edu">www.independent.academia.edu</a> on 18/52023
- [166]. Vance, J. E., (1972). California and the Search for the Ideal. Annals of the Association of American Geographers, 62(2), 185–210. Retrieved from http://www.jstor.org/stable/2569402 on 30/1/2023.
- [167]. World Bank Group (2015). Master Planning/Urban Regeneration.Retrieved from <a href="https://urban-regeneration.worldbank.org">https://urban-regeneration.worldbank.org</a> on 10/7/2022.
- [168]. World Metrological Organisation (2016).Port Harcourt Municipality.Retrieved from <a href="https://www.en.m.wikipedia.org">www.en.m.wikipedia.org</a> on 2/2/2023
- [169]. Williams, L., (2008). Nigeria the Bradt Travel Guide. Retrieved from <a href="www.en.m.wikipedia.org">www.en.m.wikipedia.org</a> on the 5/2/2023.
- [170]. Yang, Y., (2015). Spatial Evolution and Growth Mechanism of Urban Networks in Western China: A multi-scale perspective. Journal of Geographical Sciences, 2022
- [171]. Zhang, Y., (2018). The credibility of slums: Informal housing and urban governance in India. Land Use Policy 79, 876–890.
- [172]. Zhu, J., (2010). Symmetric Development of Informal Settlements and Gated Communities: Capacity of the State. The Case of Jakarta, Indonesia. Asia Research Institute Working Paper No. 135.