# Figure 24 May Sector Anagement for All

**Spanne Detection of Urban Green Space as a Result of Real Estate and Residential Development in Greater** 

#### Accra

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#### **Findings**

Urban infrastructure, excluding urban green space is increasing at an alarming rate in the Greater Accra Region (1.4% anually for residential development)

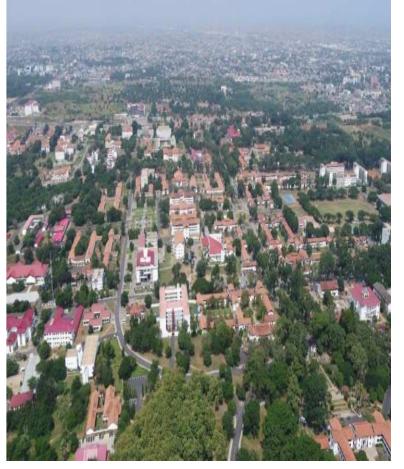
This is influencing the decline of greenspaces in Greater Accra. (20%) reduction in14years)

More than 55% of respondents agree that ther are policies and

institutions responsible for managing green space however, 79% are not

aware of any regulations being enforced





Trimble

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Strimble 🕲

#### **Study Area**

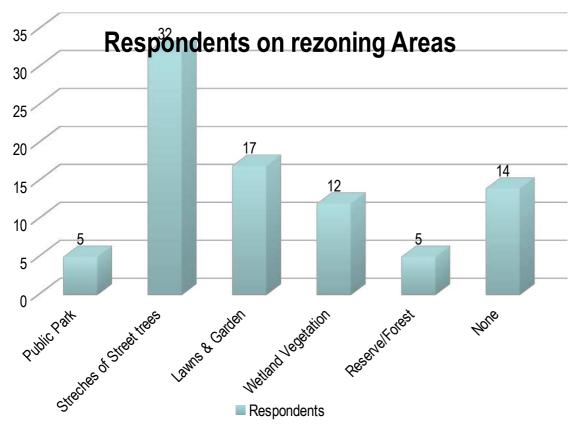
- Greater Accra is the smallest among the sixteen (16) regions in Ghana.
- It extends about 3245km<sup>2</sup> and is considered the fastest-growing region in terms of infrastructure with a population of 5,455,692. (GSS, 2021).
- It has 29 Metropolitan, Municipal and District Assemblies (MMDAs).



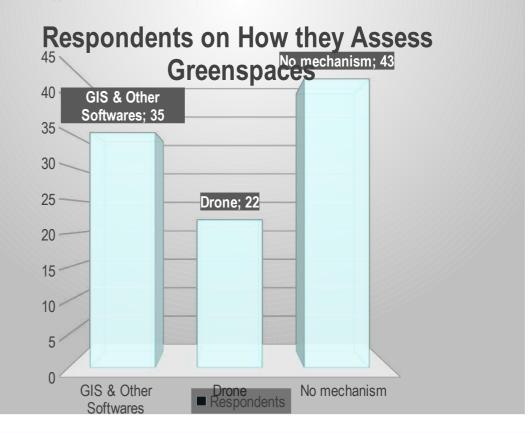


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Is there any Greenspace that is converted to other land use?



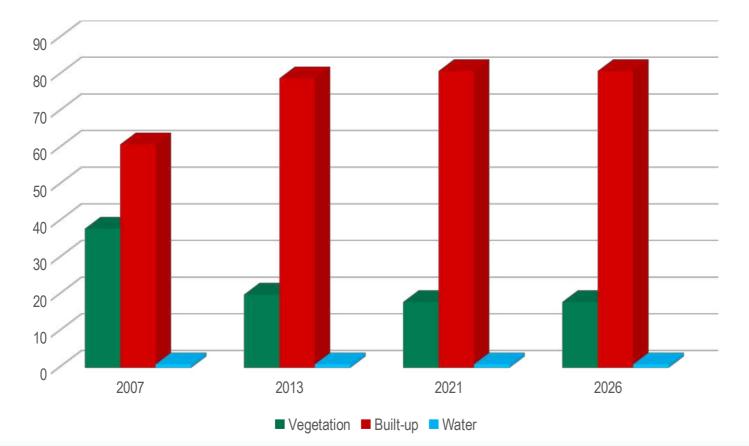
How does residential developers assess changes in Greenspace?





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#### LULC Changes and Prediction 2007-2026

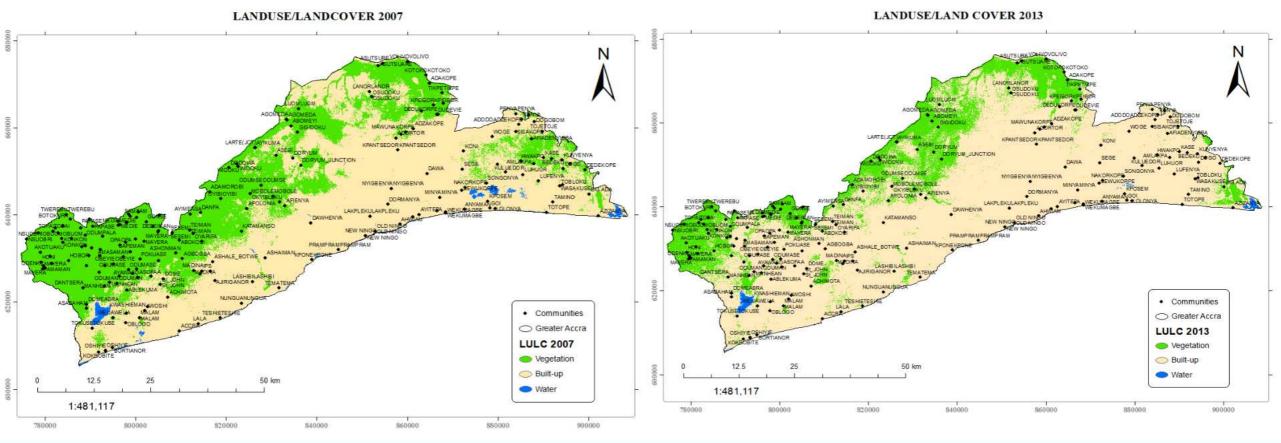






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#### Land Use Land Cover

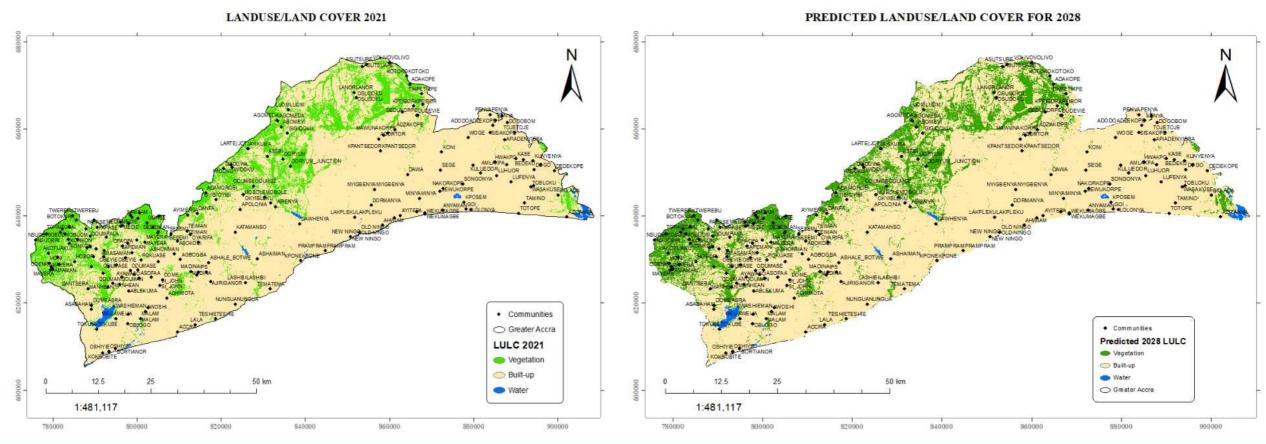






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#### **Results and Discussion Con't**









## **Findings**

- Annual increase of 1.4% of built up areas
- 20% (75599500m<sup>2</sup>) decrease of green spaces within the 14 years.
- Farmlands and wetland are increasingly being converted to sand wining sites.
- Existing policies are not being enforced for the management of urban space





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Sand winning site at Dawhanya



Some converted Green spaces



Converted Urban farmland in Tsopoli



Tempered Wetland Vegetation in Tetegu







#### Conclusion

- The study recognise institutions like the Environmental Protection Agency (EPA), Land Use and Spatial Planning Authority (LUSPA), Department of Park & Gardens, and regulations like the EPA guidelines, Spatial Planning Act 2016 (Act 925), zonal regulations, designed to manage green space, however, the enforcement of the regulations by these institutions have not been effective over the years.
- Lack of mapping mechanism to monitor urban green space for management.





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### **Recommendation**

- Develop effective mapping mechanisms.
- Increase public awareness and prioritize the growth of green space.
- Effective coordination between key stakeholders of Institutions.
- Incorporate green space management plan into residential development.
  - Avenue Plantation in an open planting bed.
  - Green Roof Technology







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## **Sustainable Development Goal**

- The study resonate to the SDG 1, 2, and 11.
- Greenspace plays vital role in the well-being of communities and cities in form of:
  - ✓ Carbon sequestration; Storm-water management; Conservation of biodiversity
  - ✓ Fostering social connections
  - ✓ Enhancing economic development etc.
- By incorporating greenspaces into urban residential development, communities can create vibrant, sustainable, resilient and livable places for all.
- Focuses on sustainable cities and community and emphasizes on the creation, preservation and integration of public greenspaces into communities physical landscape to enhance quality of life.





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SUSTAINABLE G ALS International Federation of Surveyors supports the Sustainable Development Goals

# **Commission 8**

**Spatial Planning and Development** 

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# Thanks you for your attention





