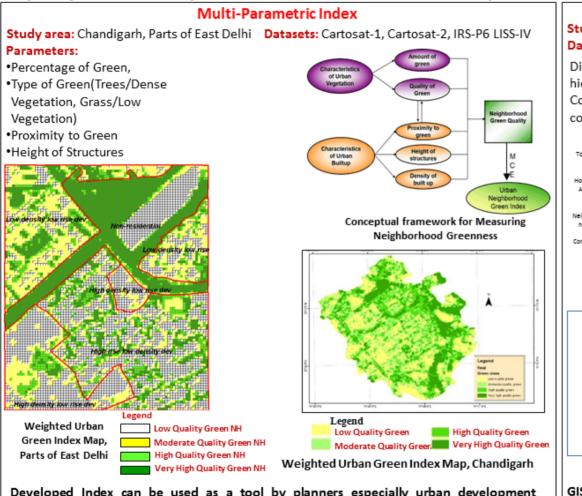
## UTILIZATION OF INDIAN REMOTE SENSING SATELLITE DATA FOR ASSESSMENT OF URBAN GREEN SPACES

Major Objective: To develop methods for assessment of Urban Green Spaces in urban areas using Indian Remote Sensing Satellite data.



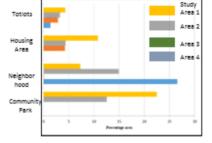
Developed Index can be used as a tool by planners especially urban development authorities to assess and monitor as well to evaluate, quantify and compare UGS.

## **Accessibility Analysis**

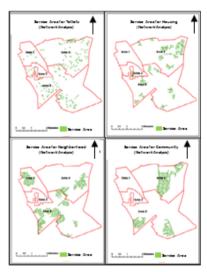
Study area: Parts of East Delhi

Datasets: Cartosat-2, IRS-P6 LISS-IV

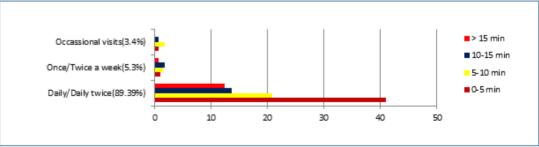
Different network distances have been applied to each hierarchy (Totlots, Housing area, Neghborhood and Community Park) of Urban Green Spaces as they compliments each other rather than supplements.



Service area at hierarchical levels by Network Analysis, Parts of East Delhi



Accessibility to different hierarchies of UGS. Parts of East Delhi



Relationship between frequency of visits and preferred walking time

GIS based accessibility analysis reveals poor accessibility of UGS at all levels of hierarchies (\* 30%) especially at lower levels of hierarchies, which mainly caters to primary age children.

Further Scope—The developed index and accessibility analysis can be used as a tool for analyzing the distribution and accessibility to UGS, leading to adoption of smart living and greening strategies.