

Technology to improve the living environment and mobility environment in residential areas in the suburbs

Urban Planning Department

Studies are being conducted to improve the living environment, such as the types and arrangement of living support facilities in residential areas, in the suburbs and the mobility environment, including the exploration of new styles of mobility, while the social situation is going through rapid changes, such as a declining birth rate, the aging of society, and changes in lifestyles.

Social background and issues

- After the period of rapid economic growth, many residential complex zones were planned and constructed in the suburbs of large cities and formed residential areas in the suburbs.
- Residential areas in the suburbs are becoming outdated towns as the housing and residential areas became older, the discrepancy between the single-purpose use of the land and new lifestyle needs grew, the number of vacant houses increased, and public transportation systems deteriorated.
- Meanwhile, such areas have advantages, such as higher coverage of public facilities thanks to planned development from the past and the environment containing a lot of green areas. Thus, these areas can be described as valuable social assets of cities to be maintained and passed on to future generations.

Study contents

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Actual uses, level of satisfaction, and needs (frequency of using facilities by types, means of transportation to use to get there, satisfaction regarding location, and satisfaction regarding facilities and services) of living support facilities were identified through interviews and surveys targeting residents in the area of the facilities.



Mobile shops at the parking lots of community association buildings



Kids market at the front of vacant shops



Childcare support room in community association buildings

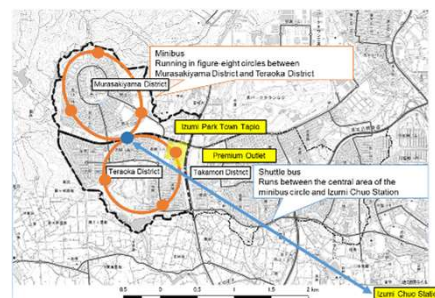
Technology to improve the mobility environment in residential areas in the suburbs

Characteristics of new types of mobility, such as personal mobility, were organized by studying advanced examples inside and outside of Japan.

By conducting questionnaire surveys about mobility targeting the residents of residential areas in the suburbs, patterns of transportation networks that use new mobility were examined based on the questionnaire findings.



Use of new mobility



Examination of transportation network patterns

Contribute to the realization of integrated urban structures, which are sustainable even during the period of depopulation by avoiding the deterioration of residential areas that can become core areas in the suburbs