

③ Urban and Community scale

Policy recommendation for low-carbon based on future prospect

Proposal of urban/community environment to enhance the health

Low-carbon

Improvement of residents health

Inquiry of healthy and sustainable urban/community by association with government, Region and citizen

Decrease in environmental burden

Popularization of insulated and airtight house

Measures to reduce CO₂ emission like regionally energy use



Assessment of insulated and airtight house considering new added value like health and BLCP※

Study areas

Obuse town, Niihama city, Kawasaki city, Yokohama City, Toyonaka city, Indonesia...etc.

※ BLCP(Business and Living Continuity Plan) : This plan is to prepare for business and living continuity at the time of disaster

Fact Finding Survey on Physical Activity of Children

Background

Increase prevalence of overweight and obesity in children

Purpose

To clarify the relationship between the regional environment and physical activity

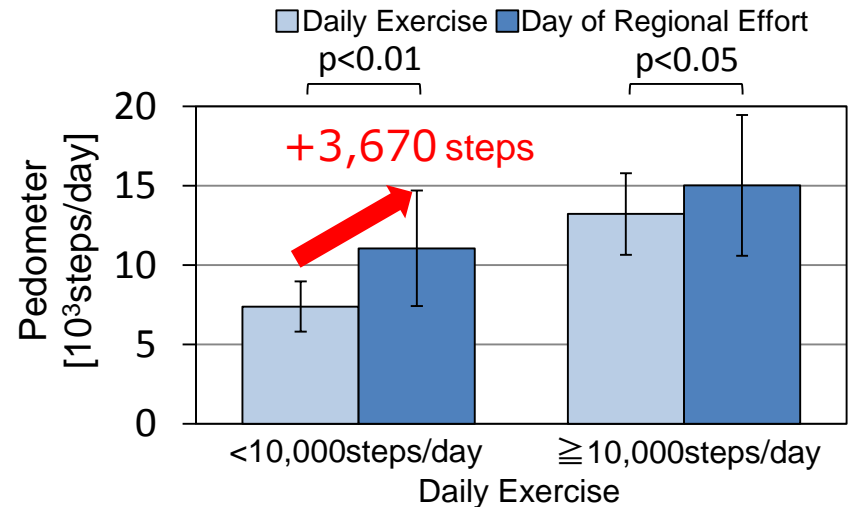
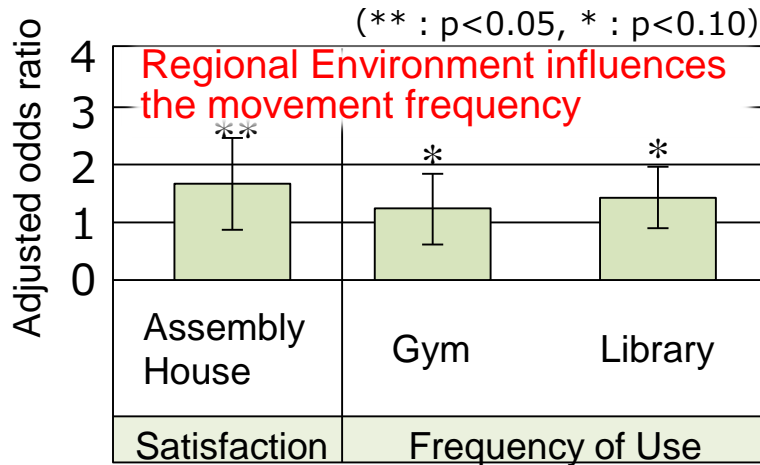
Improvement of Regional Environment

Safe Environment



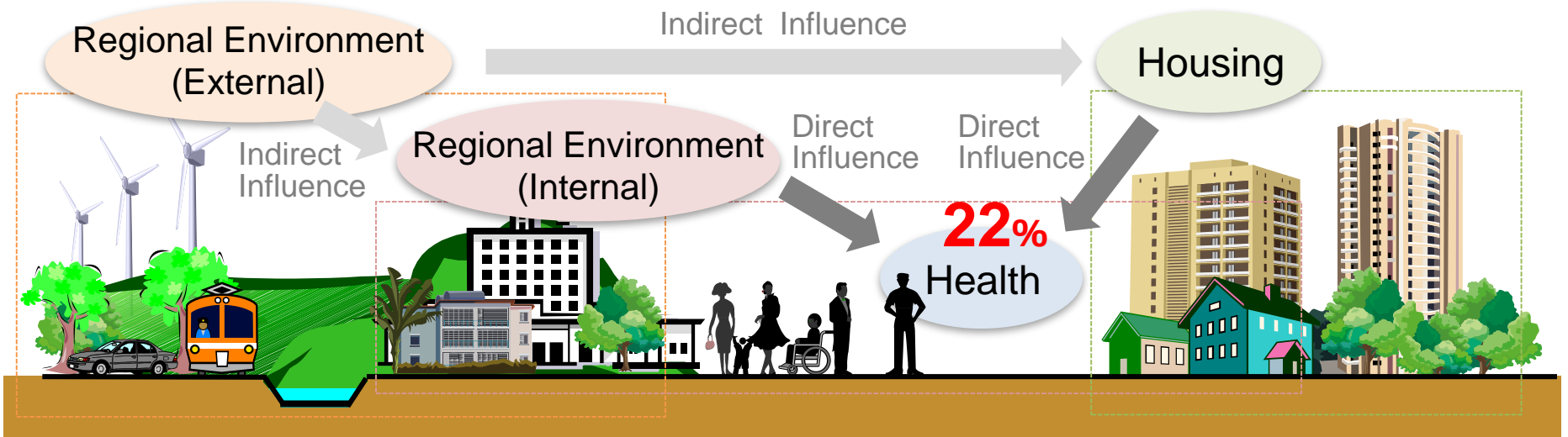
Efforts of Regional and School

Regional Activities



➔ City planning should be considered in regard to children's health

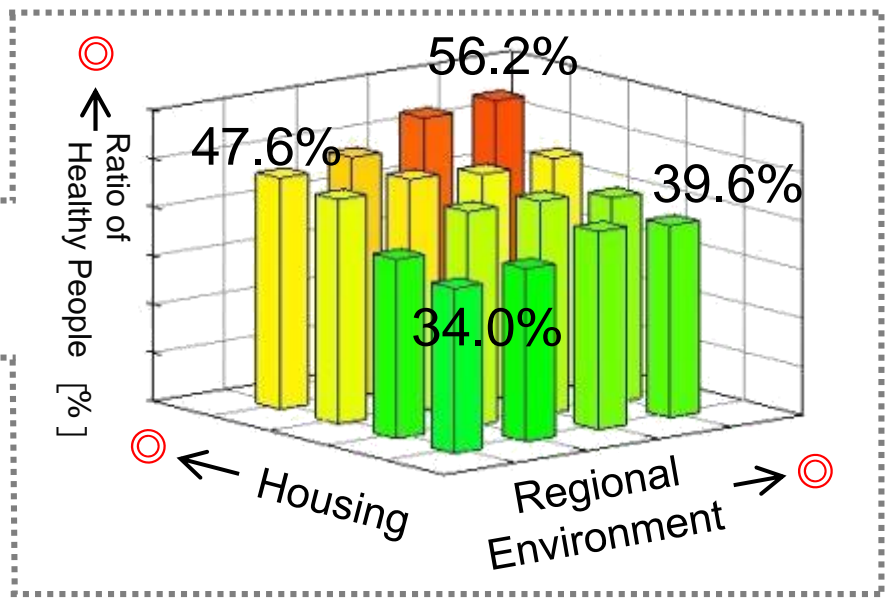
Housing and Regional Environment



Analyzing Determinants of Health in Housing and Regional Environment

Developing **HIA** Tool (Health Impact Assessment)

Improving **QOL** on Living Environment for Residents' Health Promotion (Quality of Life)



Field Survey on Physical Activity Affected by Housing and Community

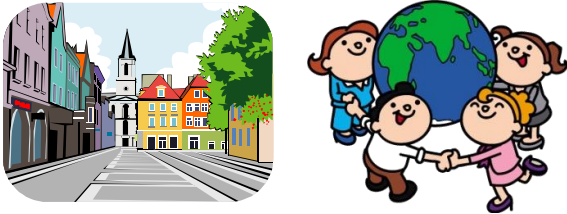
Background

Need to clarify the determining factors of physical activity for health promotion

Purpose

To evaluate effect of housing and community environment on physical activity and health

Community



Physical Activity



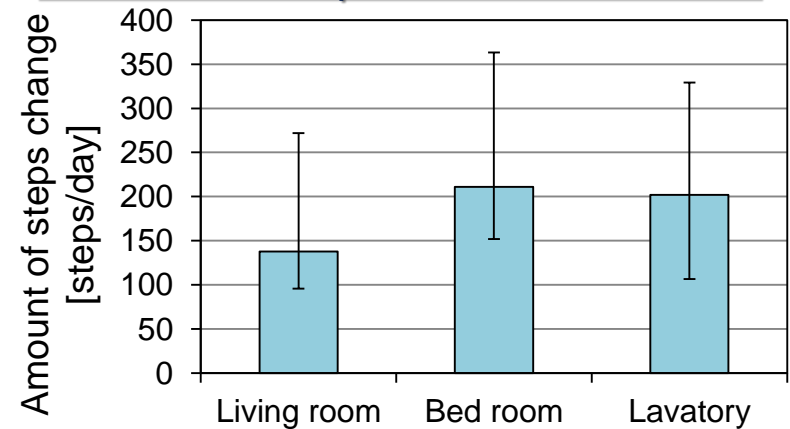
Health



Housing



Amount of steps change when the daily range of the room temperature decrease 1°C



➔ Improvement of both housing and community is effective for promotion of physical activity

Effect of community environment on trip and physical activity of elderly

Background

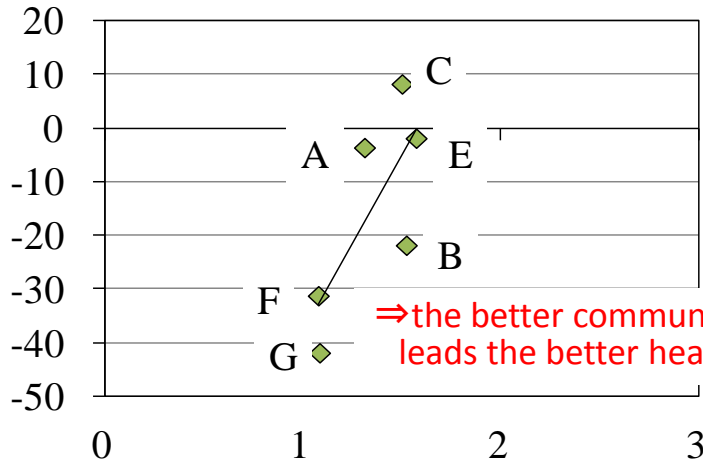
Decreasing frequency of trip of elderly and clarify determining factors of elder's trip

Purpose

To evaluate effect of housing and community environment on physical activity and health

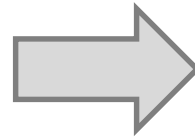


Community Environment



○ Transition of he proportion of subjective feeling of health good
× Evaluation of the promenade

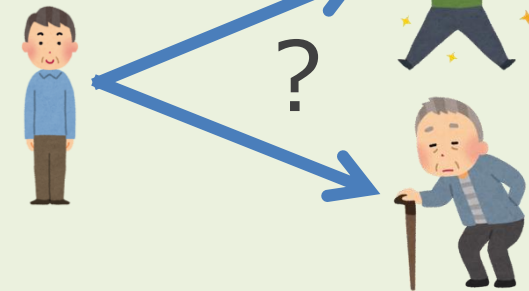
○ Evaluation of the promenade



Frequency of trip



Transition of Health



To help town development that live in health even in the elderly

Effect of Living and Regional Environment on Ratio of Person Requiring Care

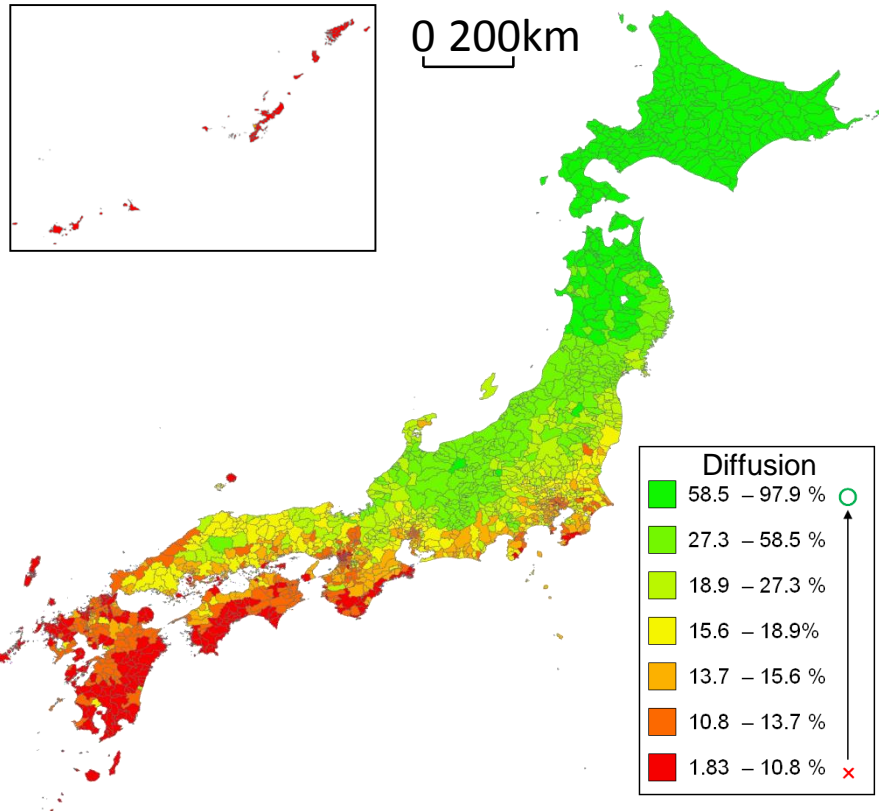
Background

Necessity to expand the healthy life expectancy in a super-aging society in Japan

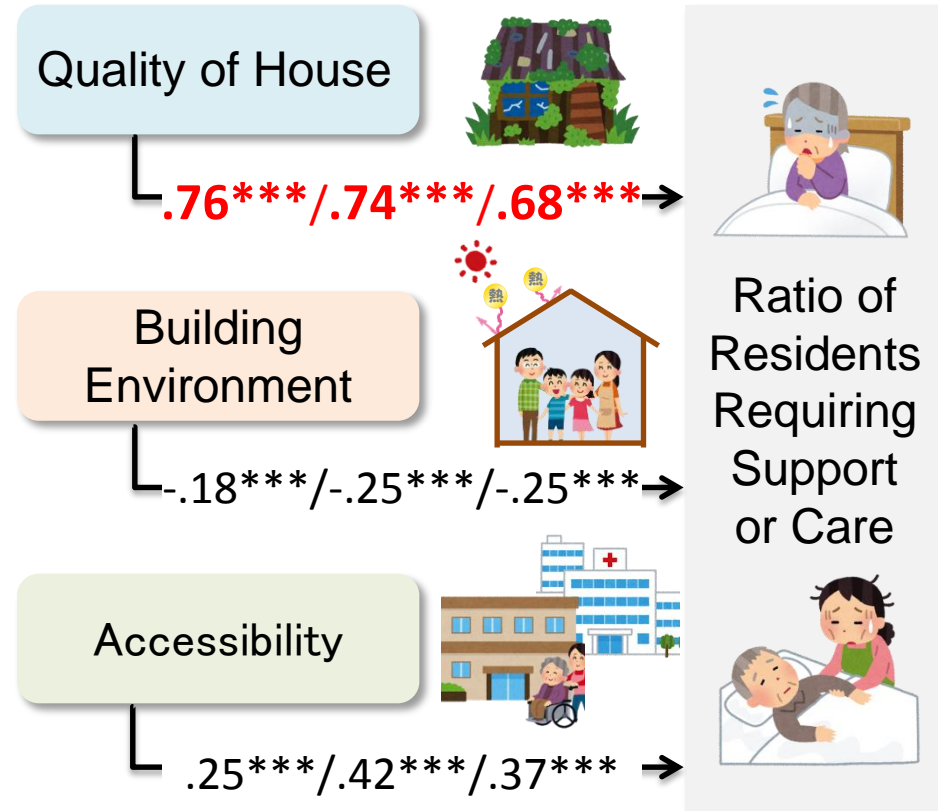
Purpose

Causal Structure Analysis on Environmental Determinants of Living and Region Defining Ratio of Residents Requiring Support or Care

◆ Assessment of diffusion of highly insulated house

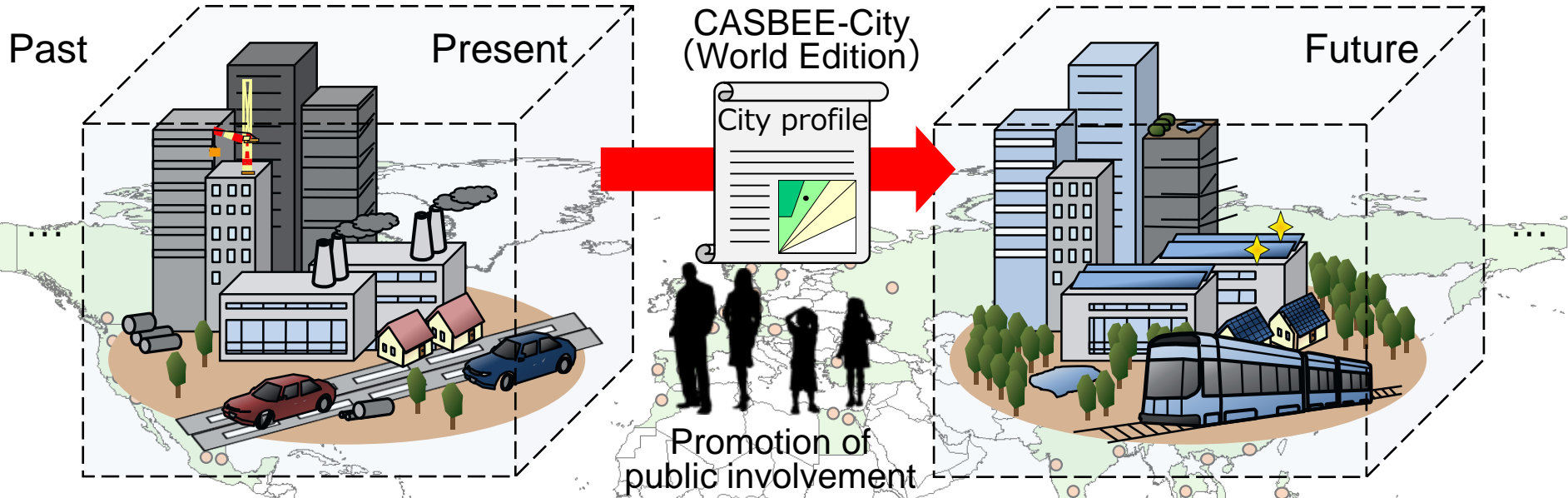


◆ Effect on Ratio of Residents Requiring Support or Care



Suggesting appropriate policy about living and regional environmental improvement for super-aging society

Study on Comprehensive Assessment of Cities of the World

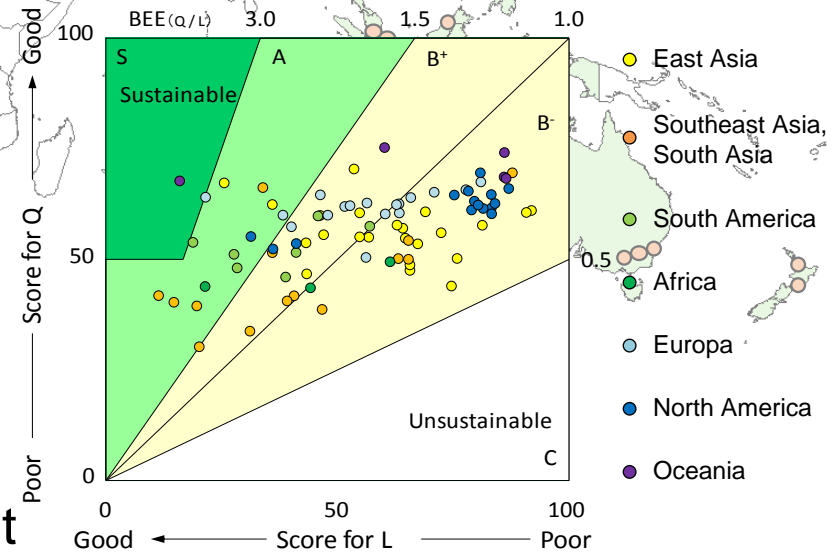


Development of assessment tool of cities of the world

Worldwide city assessment
(=Visualization of city performance)

Supporting government administration

Realization of sustainable city management



CASBEE-City HP: http://www.ibec.or.jp/CASBEE/cas_city/casbee_city2013.htm

Study for A Time Series Assessment of Cities of the World

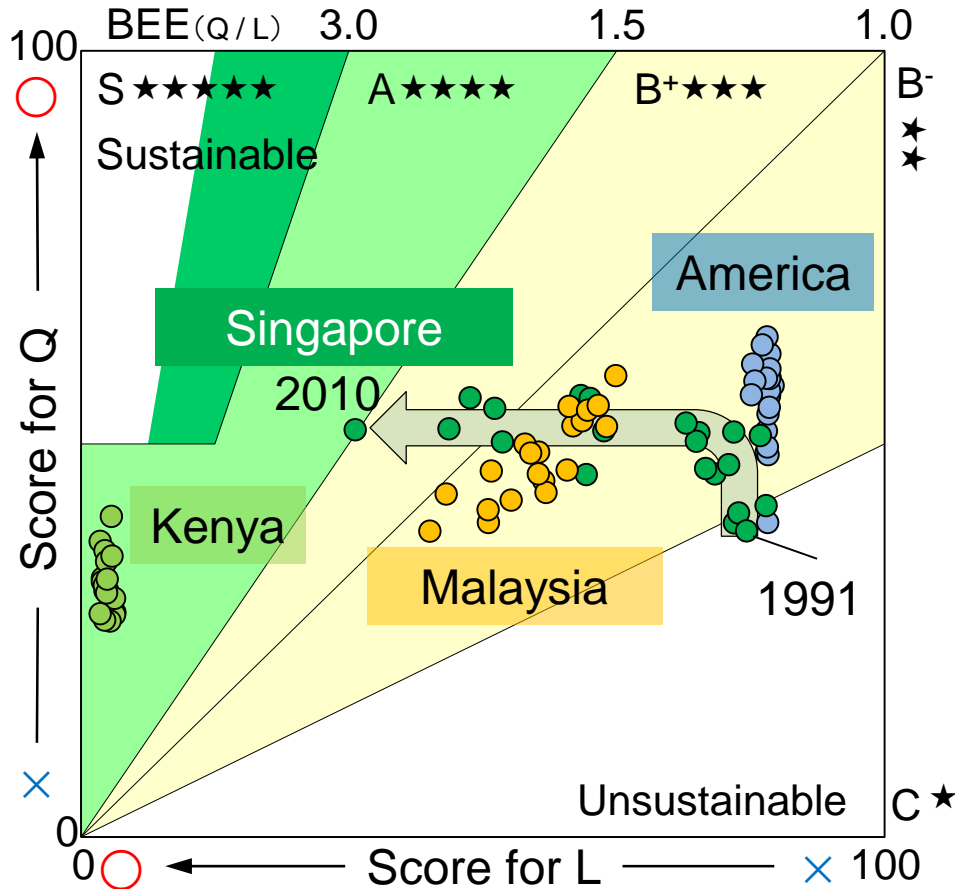
Background

Necessary for more Sustainable Development of Cities of the World

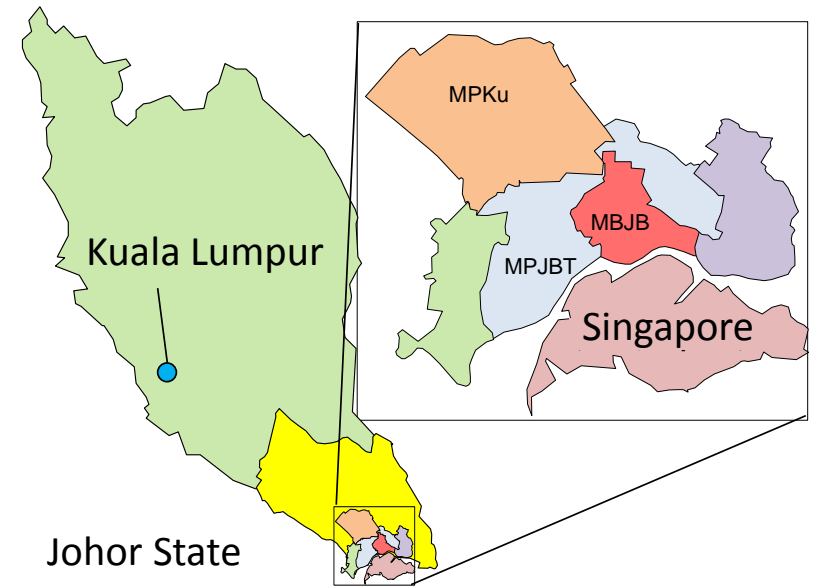
Purpose

A Time Series Assessment of Cities of the World

◆ Categorizing Developing Pattern for 188 countries



◆ Case study for Development region in Malaysia



MPKu

- Suburb near the Airport
 - Area Producing Precision Machine Mainly
- ⇒ **Necessary for more effective measure reducing L**