

Kato Takaaki Lab.

[Establishing Social Safety System]



Department of Human and Social System

Department of Urban Engineering

Social Safety System

<http://kato-sss.iis.u-tokyo.ac.jp/>

The local community can exist because the people live there. Community is part of life. Safety, amenity and affluence is necessary in our life. Safety is one of the most fundamental necessities of human beings. What has urbanization and modernization given us, and what have they removed from us? We need to ask ourselves whether we take safety for granted. Today's post-urbanization era is the right time to re-consider what the safety of a community means. The continuous re-thinking and improvement is the only way we can ensure safety in our communities. Urban Planning and Engineering for Social Safety System, we consider the aggregation of urban stocks as an community entity, and consider the safety of the social systems which would enable the safety of everyone.

Assessment

プロジェクト A Evaluating vulnerability in urban areas

Estimation of Earthquake Damage Urban Disaster Prevention Plan

If a fire breaks out in a group of buildings of the same color during an earthquake, all of the buildings will be destroyed by fire.

Spread Cluster (Community of Fire Destiny)

Simulation of flood evacuation

Reflecting the characteristics of human behavior

Evacuation Simulation in the event of an earthquake fire

Implementation

Considering countermeasures with community

Safety Ensuring Plan Learn from The Depopulated Areas

「Waterfront Renaissance Initiative」 (KATO Lab.+IMAI Lab.)

Sharing risks

Review of countermeasures by workshop

Community Planning to cope with flooding

Community Planning for Disaster prevention

A Workshop with Residents

preparation

プロジェクト R Preparing for disasters from the position of planner

Recovery Image Training

Development of Reconstruction Image Training Methodology

AR Disaster Prevention Application "Tensai Manabu Gun"

Tools based on AR technology

Visualization of Disaster Information by Google Earth

Establishment of Regional Disaster Prevention Technology Package (Building a New Social System)