

SHINTARO ONO LAB

(Proj. Assoc. Prof.)

[Sensing and Visualization for ITS]



Vehicle Dynamic Control Strategy of Automated Driving*
Advanced Mobility Research Center (ITS Center)

Mechano-Informatic Mobility Engineering

*Corporate Sponsored Research Program

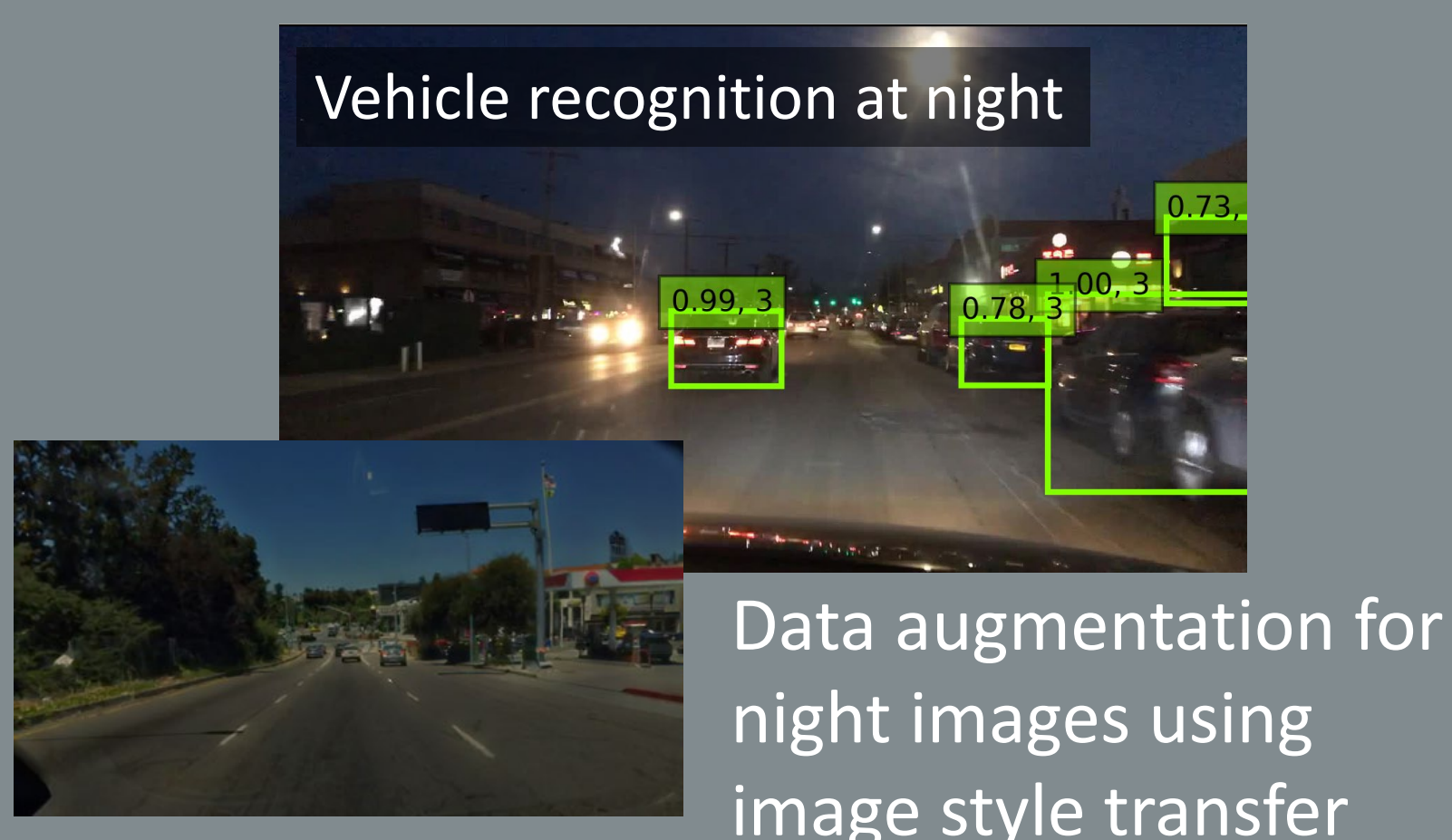
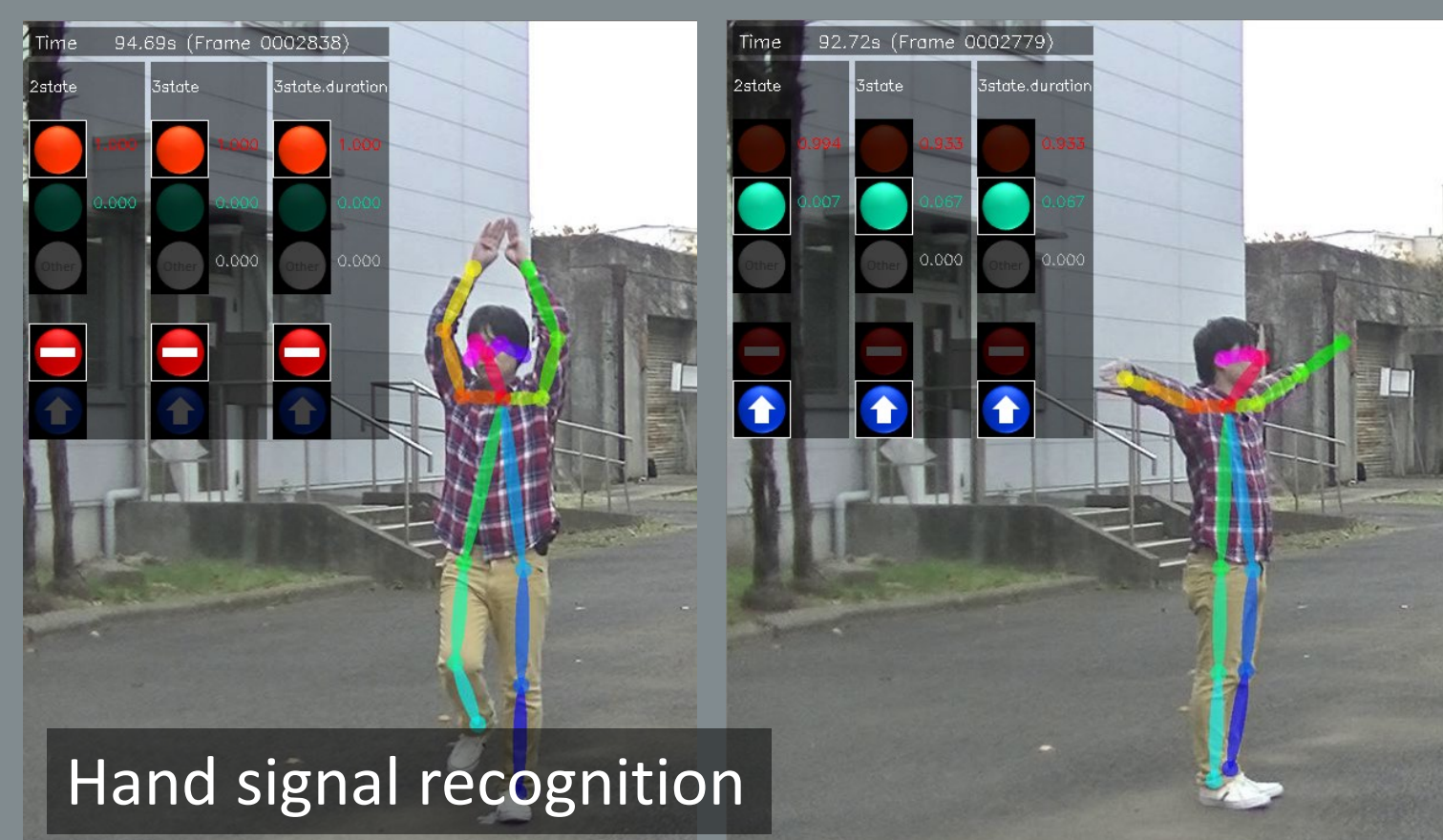
<http://www.its.iis.u-tokyo.ac.jp/onoshin/>

Visualization
Practical Use

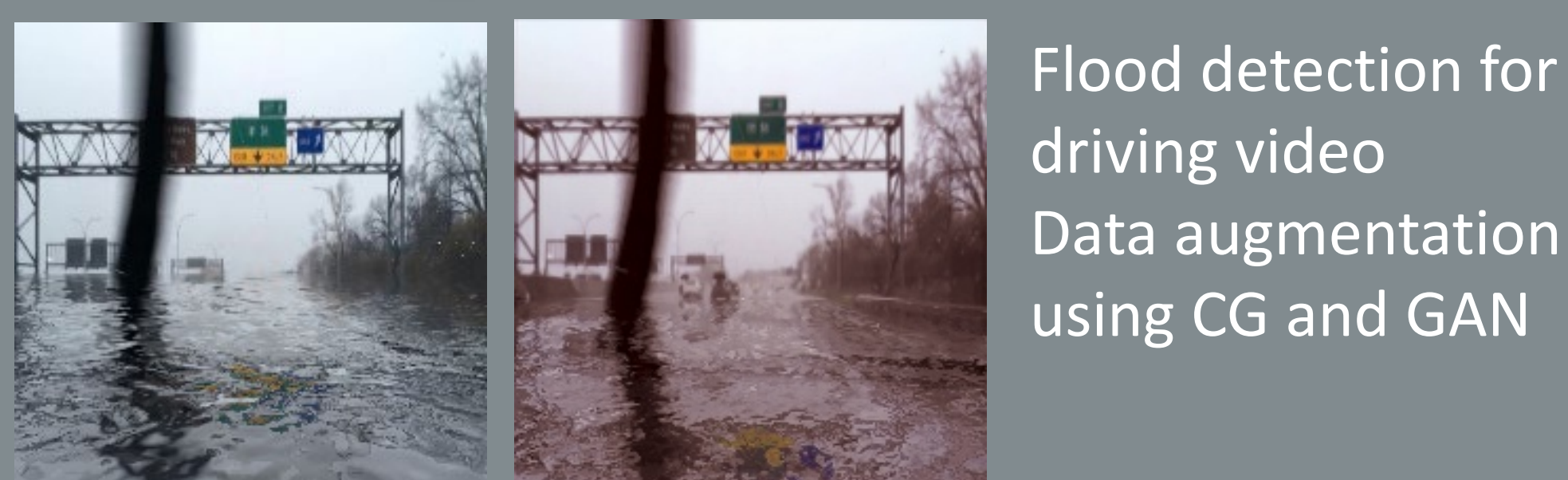
Real Scene Understanding
Information Extraction

Real World Sensing
Modeling

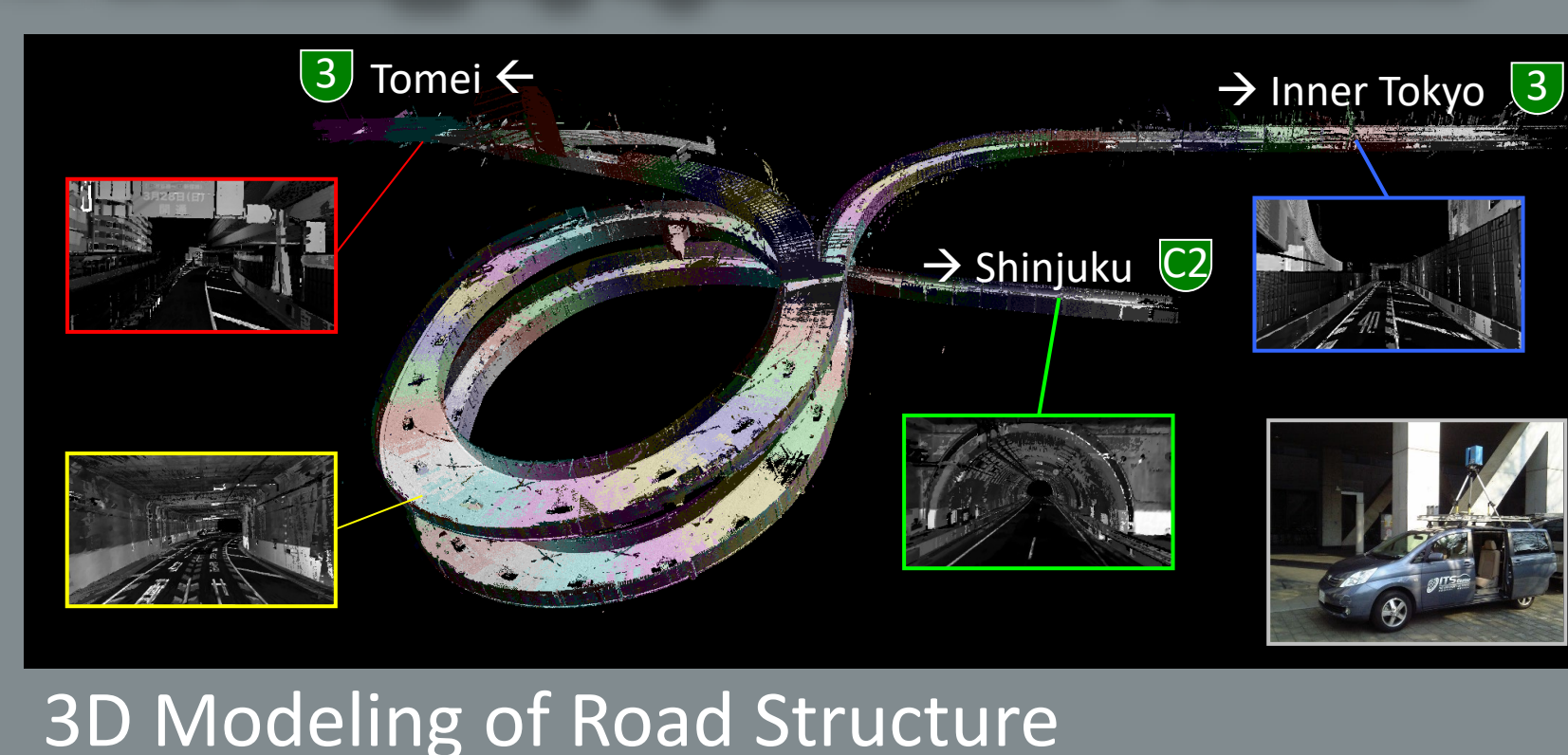
Basic Technology for Automated Driving -- Toward wider ODD --



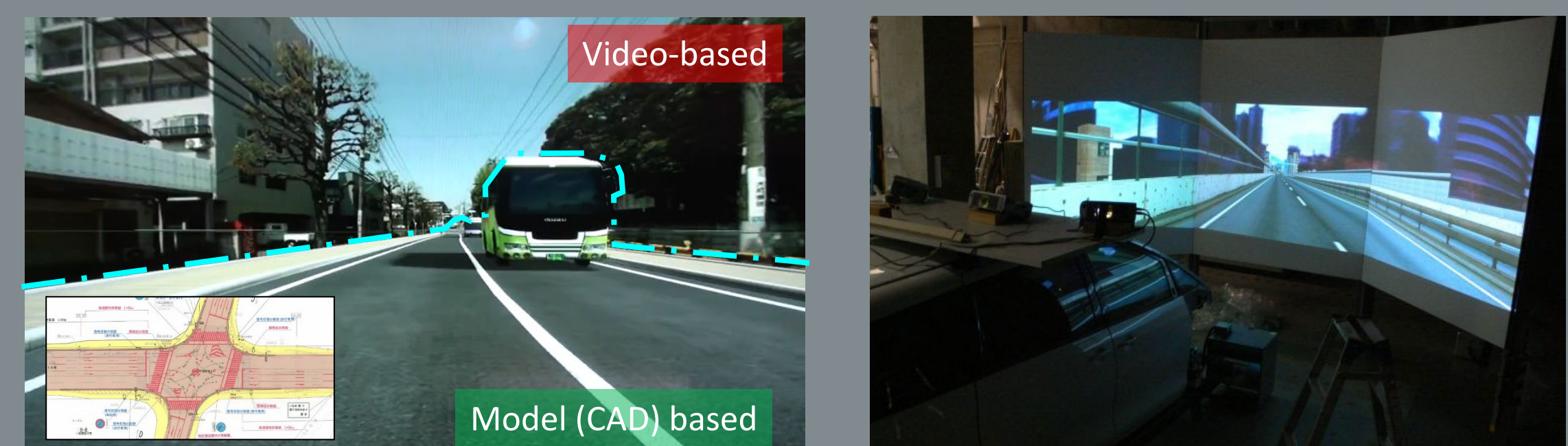
Detecting Unusual Events



Sensing by Specialized Vehicle

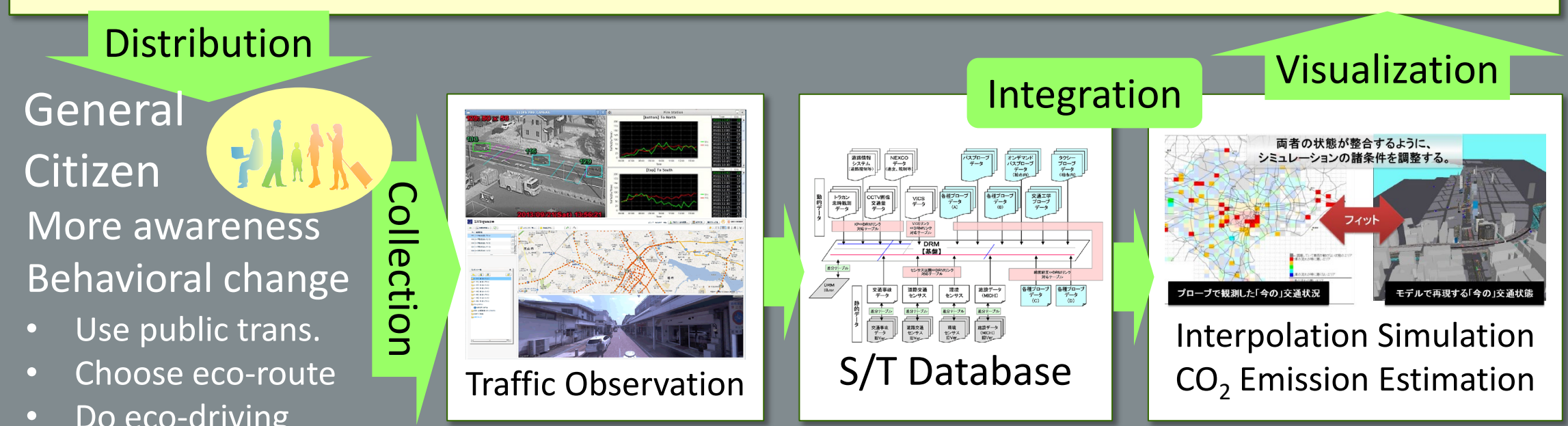
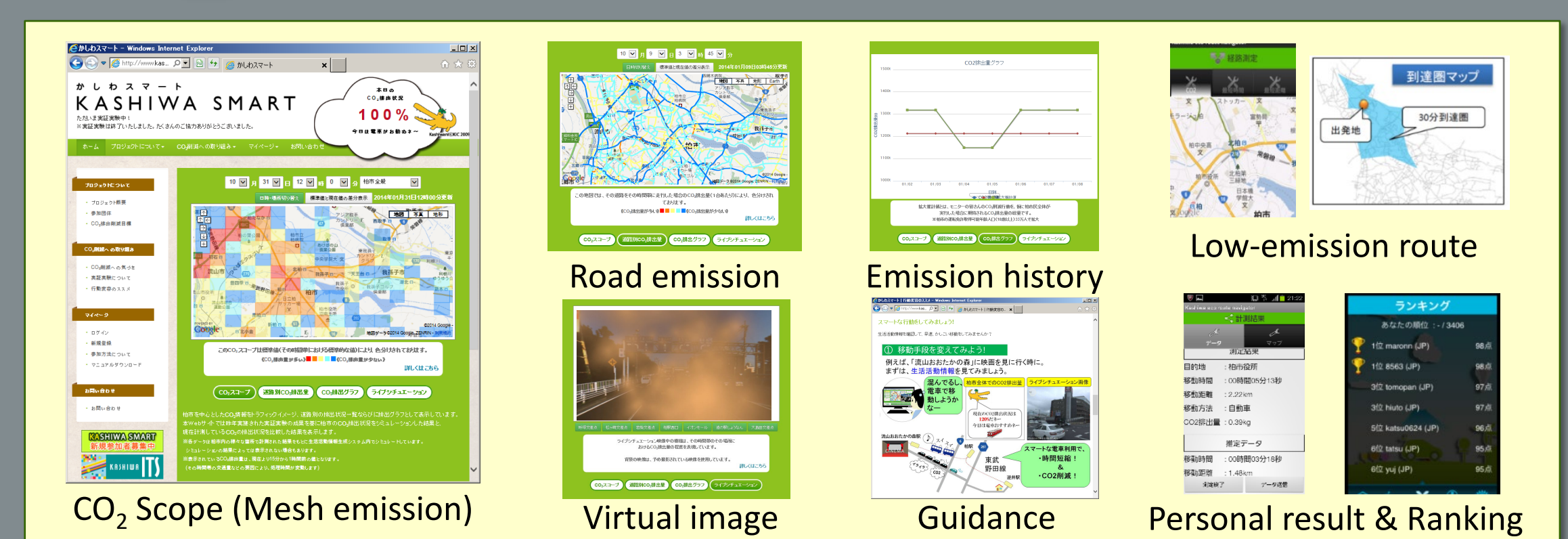


Video-based Driving Simulator



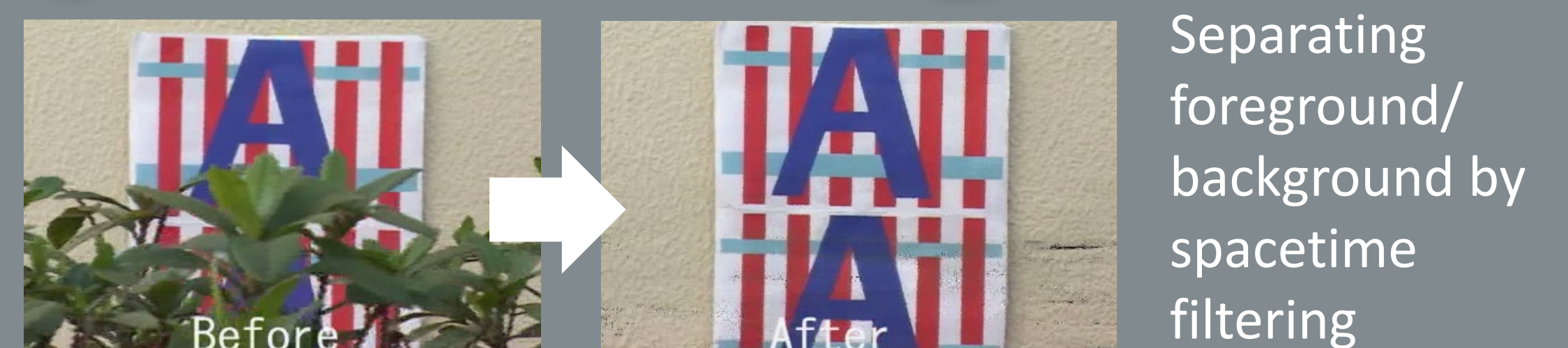
Enhancing reality using real video for background

System for Information Collection, Integration, Visualization, and Distribution

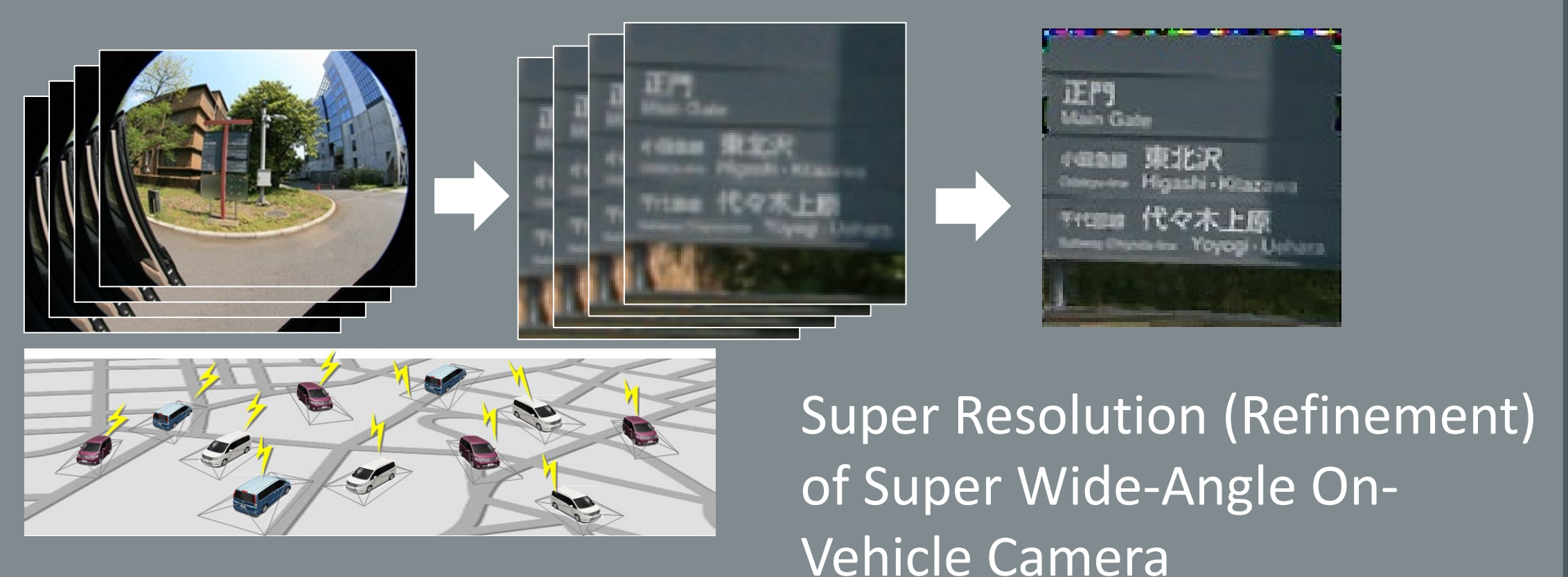


Reducing CO₂ Emission by Raising Awareness of Citizens.
Social experiment in Kashiwa City proved the possibility of 8% reduction by the Regional Transport Information System for promoting eco-friendly travel behavior.

Space-time Video Processing



Sensing by General Vehicles



▼ Street Panorama before East Japan Earthquake Reconstructed from Driving Video Recorder