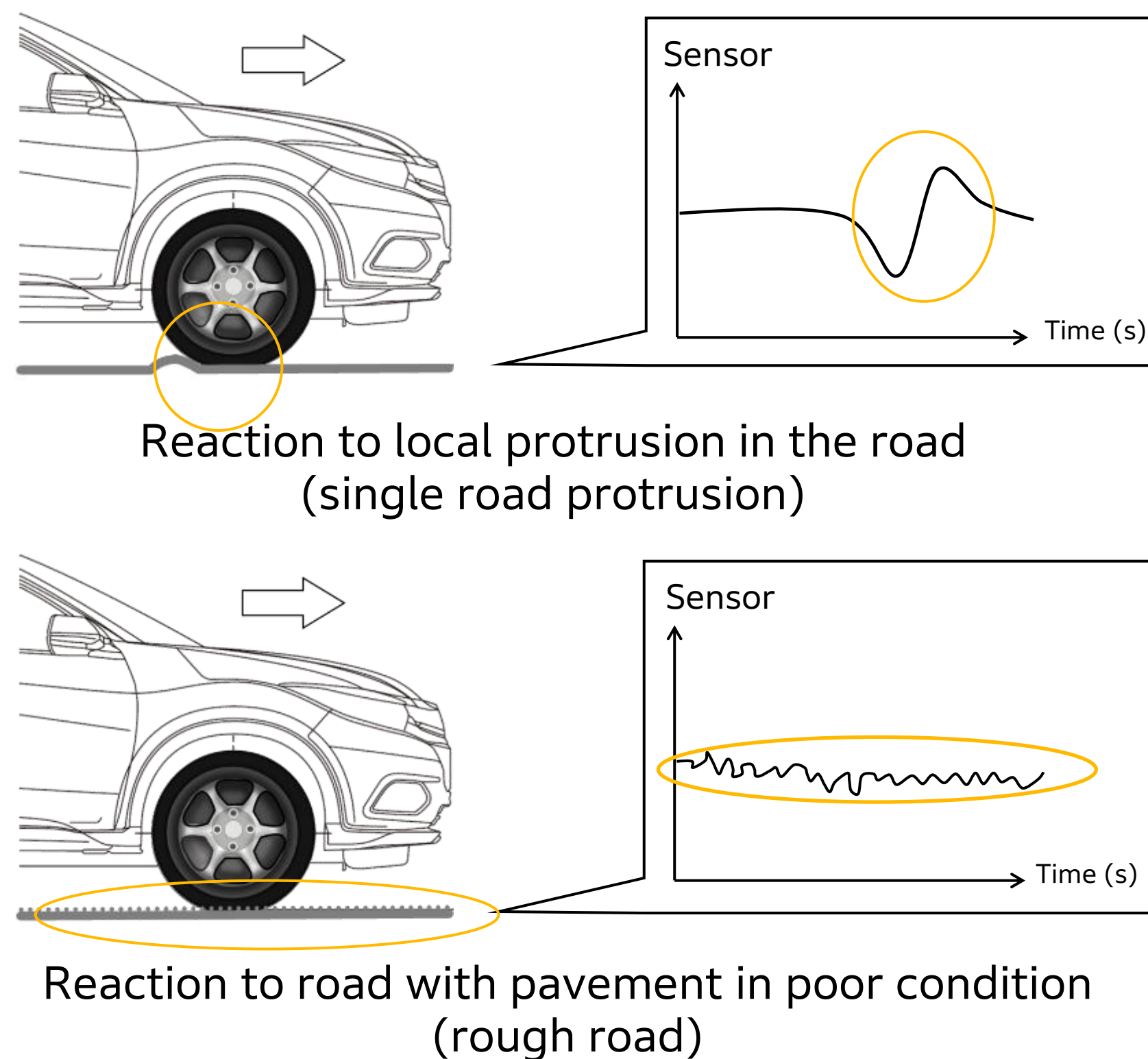


# Road Hazard Monitoring System

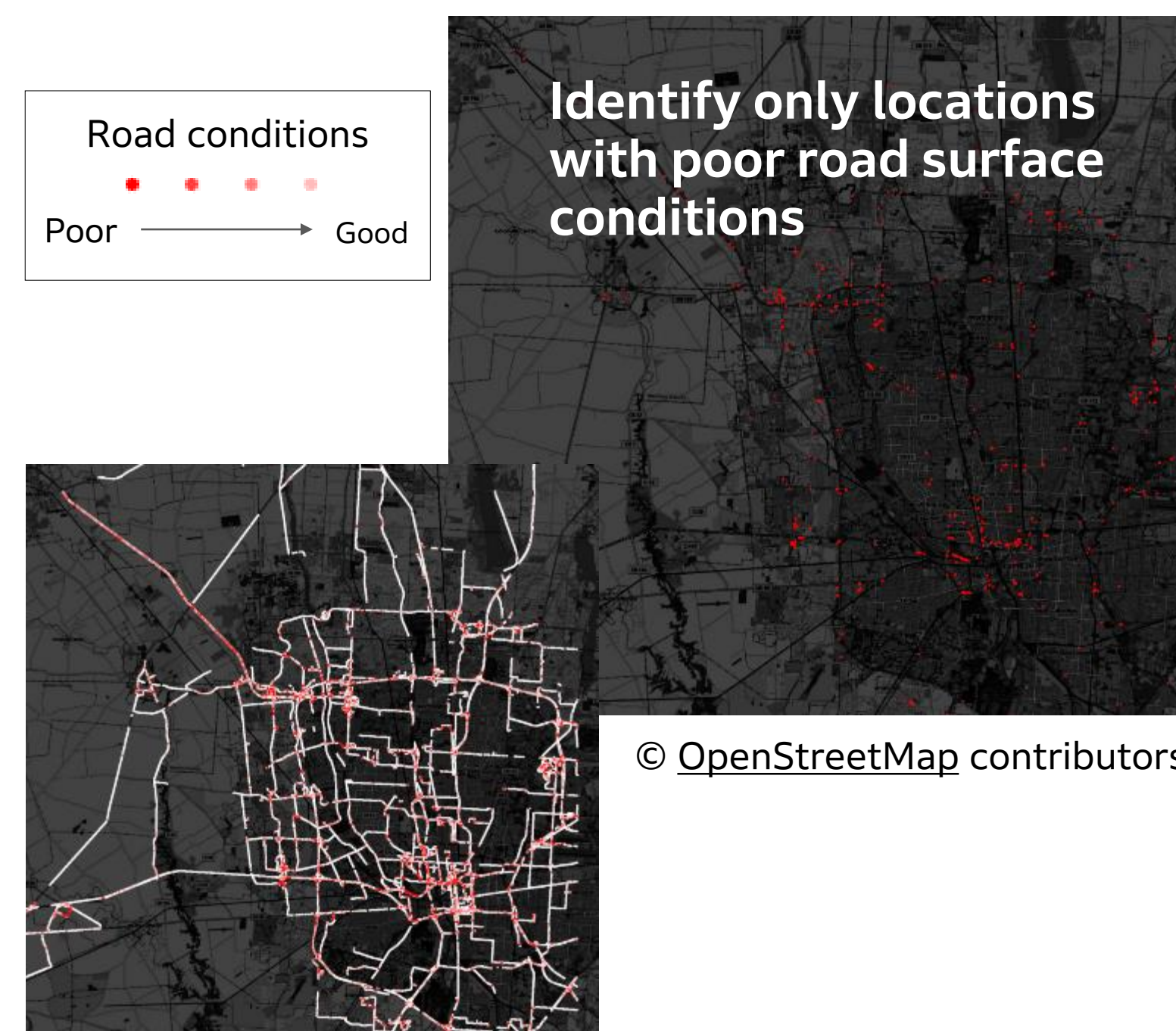
Utilizing mass-produced vehicle data enables real-time assessment of road conditions and deterioration prediction, facilitating more timely and cost-effective road maintenance.

## Technology Details

- Road damage is scored by leveraging mass-produced vehicle data (location, speed, G-sensor, etc.).
- Road damage locations are visualized on GIS and highly damaged areas are identified by setting thresholds.
- Aging analysis of historical data enables identification of rapidly deteriorating areas and prediction of future road damage.



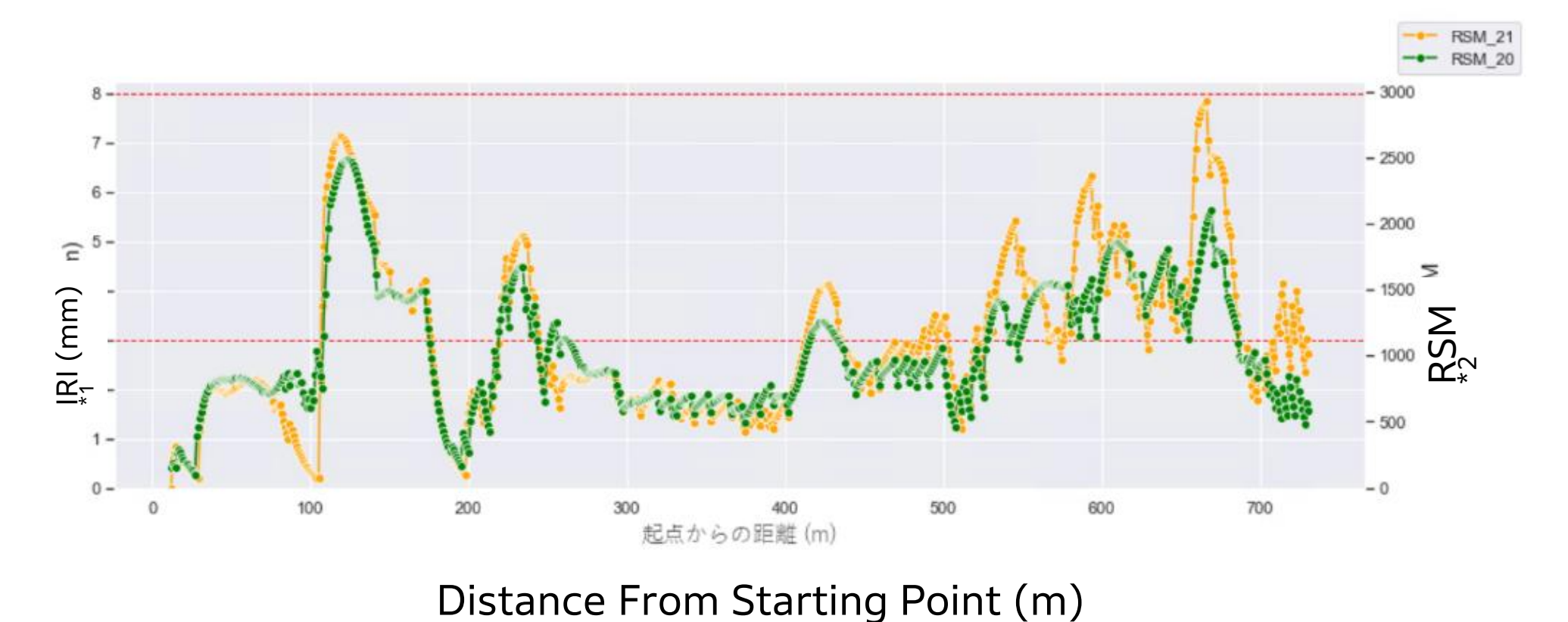
## GIS Map Visualization



## Technology Characteristics

- Enables comprehensive monitoring of road damage conditions, including on local residential roads
- Enables real-time monitoring of road damage conditions
- Setting an appropriate threshold enables prioritization tailored to the conditions of each region
- Analyzing deterioration over time enables prediction of future deterioration

## Aging Analysis Using Historical Data



- \*1 IRI (International Roughness Index): International standard indicator for road flatness  
 \*2 RSM (Road Surface Monitoring): Indicator for showing road flatness that is unique to Honda  
 \*3 ---: General road surface control reference numeric value

Efficient management of various road infrastructures beyond road surfaces will be enabled with anticipation of the future spread of autonomous driving technologies.