#### 4. 付録(APPENDEX)

4.3 トピック (Recent Topic) : Japan



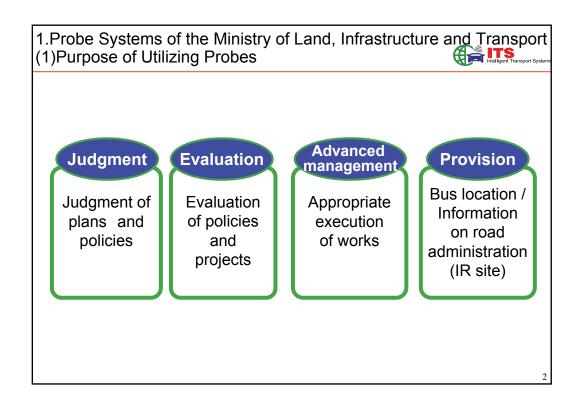
# 12th U.S-Japan ITS Workshop Probe System in Japan

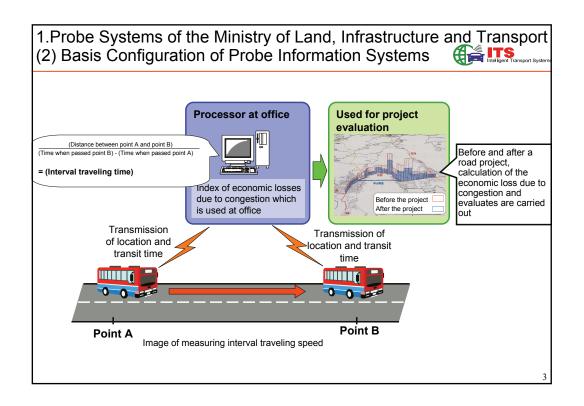
Ministry of Land, Infrastructure and Transport
National Institute for Land and Infrastructure Management

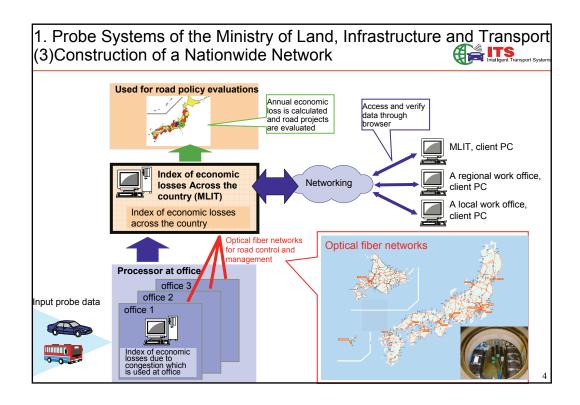
#### Kazuhide KIYASU

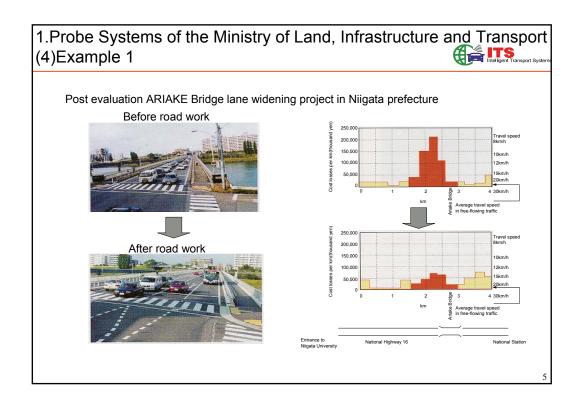


- 1. Probe Systems of the Ministry of Land, Infrastructure and Transport
- 2. Probe Systems in the Private Sector
- 3. Positioning of Probe Systems in the Smartway Project









### 1.Probe Systems of the Ministry of Land, Infrastructure and Transport (4)Example 2

Analysis of time lost due to congestion per kilometer in each prefecture

40,000 user-hours
20,000 user-hours
0 user-hours

Fig. Analysis of traffic congestion loss time per kilometer in individual prefectures using probe information

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## 1.Probe Systems of the Ministry of Land, Infrastructure and Transport (4)Example 3

Example 1: Easily understandable display of traffic congestion losses on directly controlled national highways in a government designated city (Sendai city)

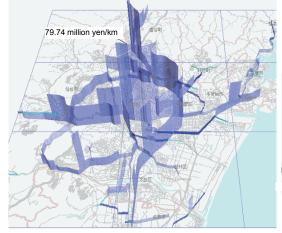


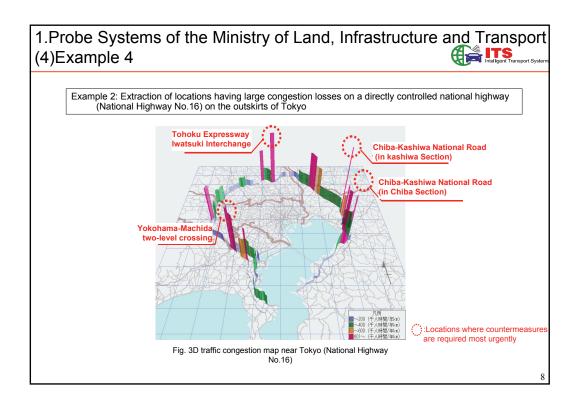
Fig. 3D traffic congestion map in the city of Sendai



Fig. Interpretation of 3D Traffic Congestion Map

\* 3D Traffic Congestion Map: Map in which the amount of traffic congestion per kilometer in each region or city is represented with a bar graph. The higher the bar graph, the greater the amount of traffic congestion.

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## Traffic congestion information (real-time information) (real-time information) (past information) (past information) (past information) information

Real-time information can be provided even on roads where detection by infra-sensors is not possible (where sensors are not installed)



Previous traffic congestion information is accumulated and provided for use in predicting traffic congestion, etc.



Providing of detailed weather information for individual areas



Sources: Internet ITS Consortium, private firm

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