

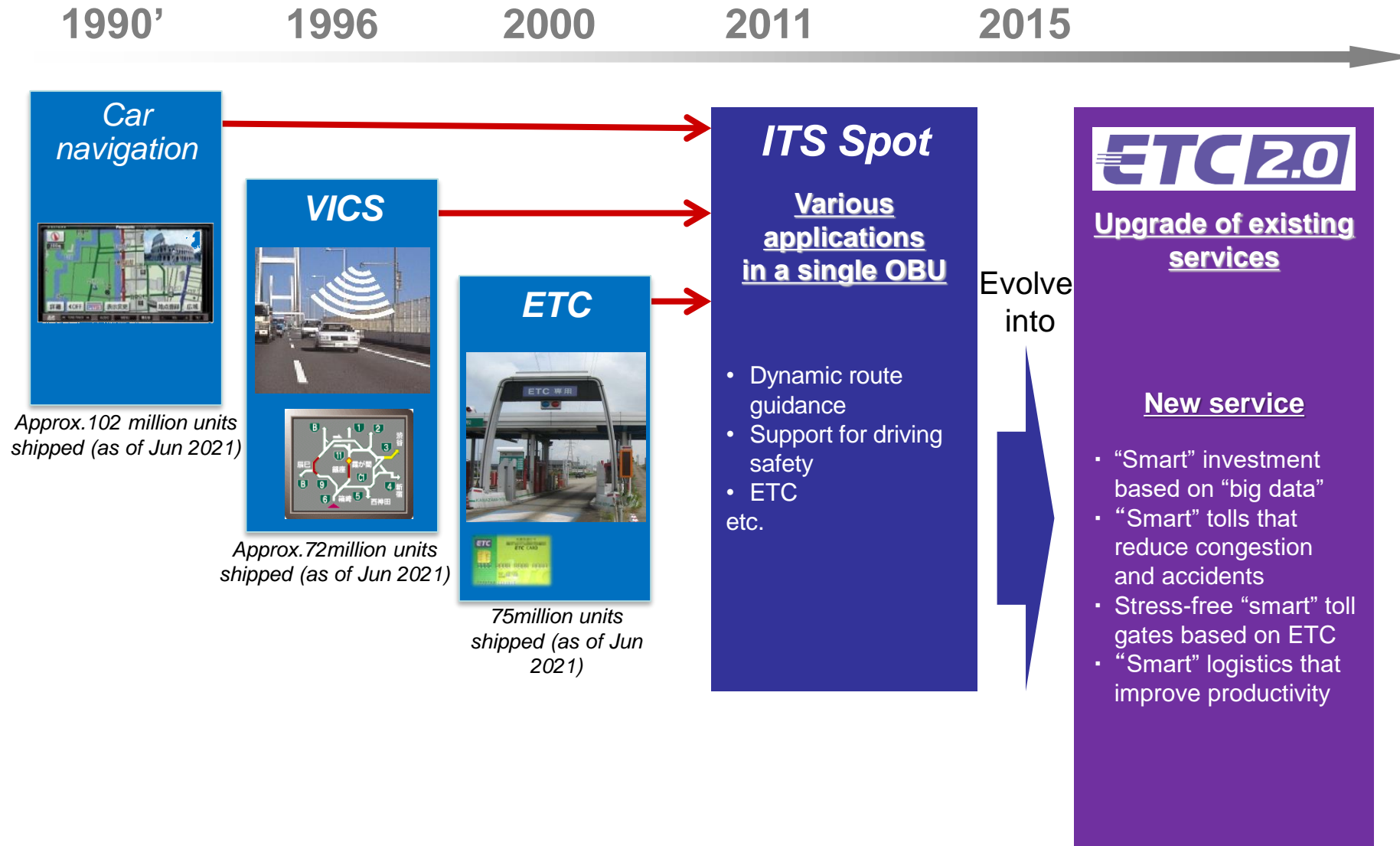
# ETC 2.0 in Japan

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**November 8, 2021**

**Koichi Sakai**

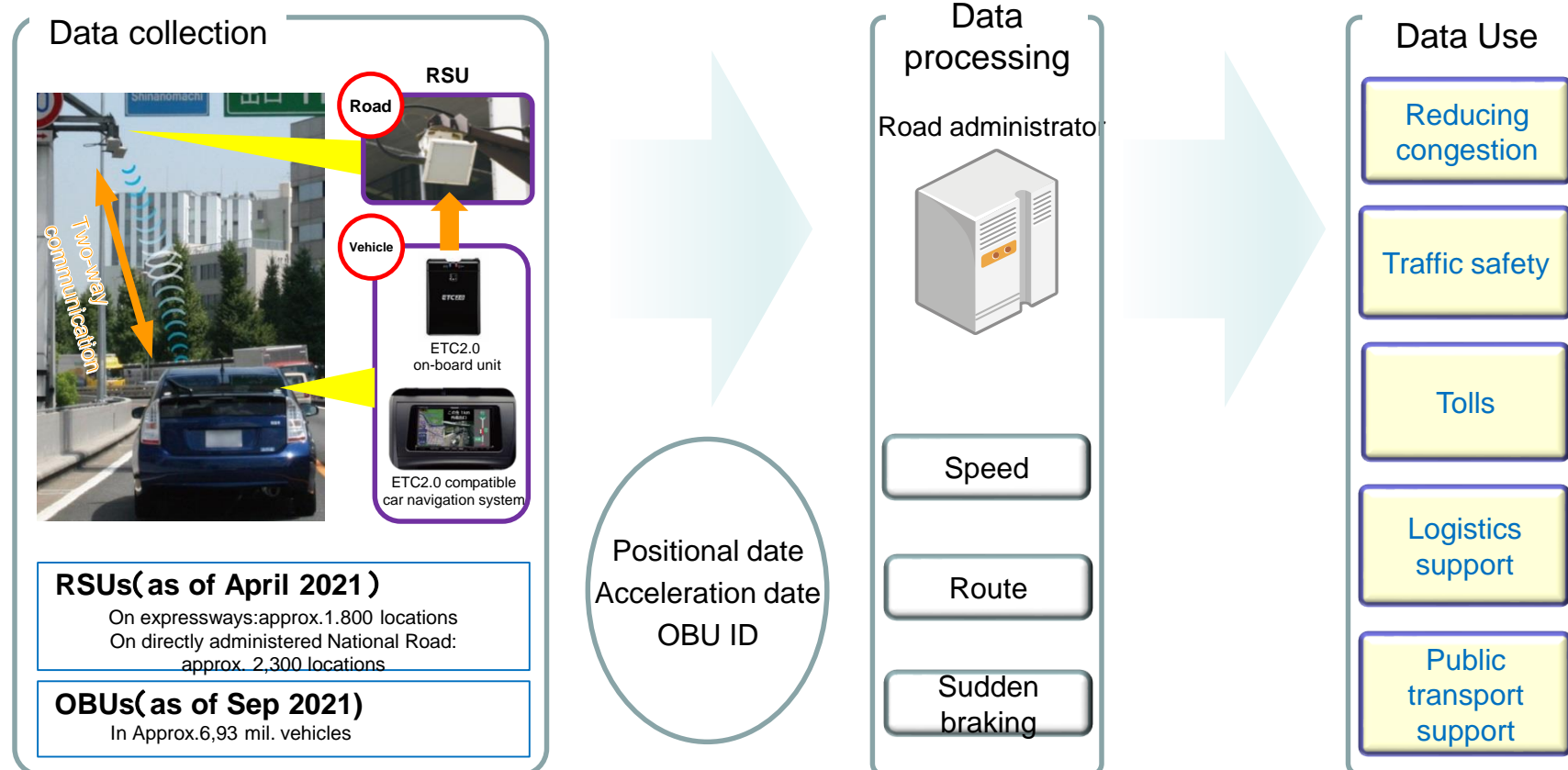
**Director, ITS Policy and Program Office, Road Bureau  
Ministry of Land, Infrastructure, Transport and Tourism (MLIT),  
Government of Japan**



Compared to the previous version, ETC 2.0 offers dramatically improved functions that include the following:

- **Ability to send and receive large quantities of data**
- **Ability to determine not only Expressway Interchange entry and exit information but also route data**

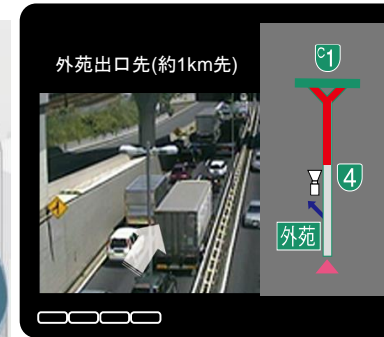
These capabilities provide many advantages for both road users and road policy. The system will make a major contribution to the promotion of ITS.



## Providing wide-area traffic information and images on routes



Warning of a dangerous situation such as a traffic jam ahead of a curve in areas with frequent accidents



この先、渋滞しています。注意して走行して下さい。

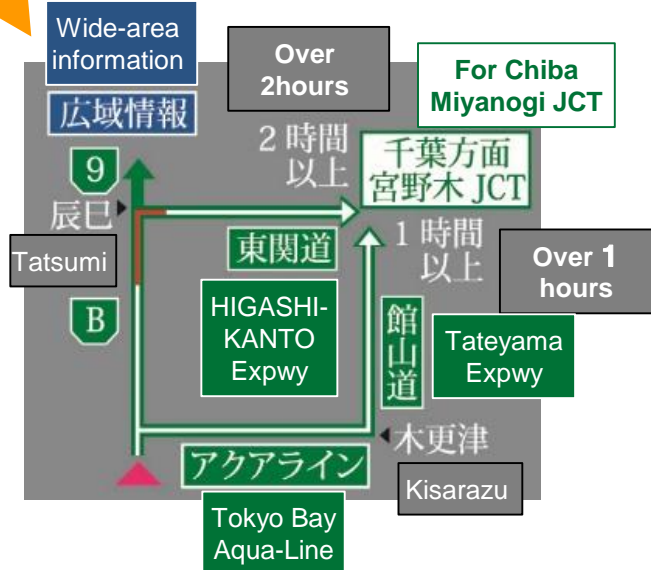
'Traffic congestion ahead. Drive carefully..'



〇km先の現在の路面状況です。雪のため注意して走行して下さい。

'Snowing 〇 km ahead. Drive carefully.'

Provision of wide-area traffic congestion information

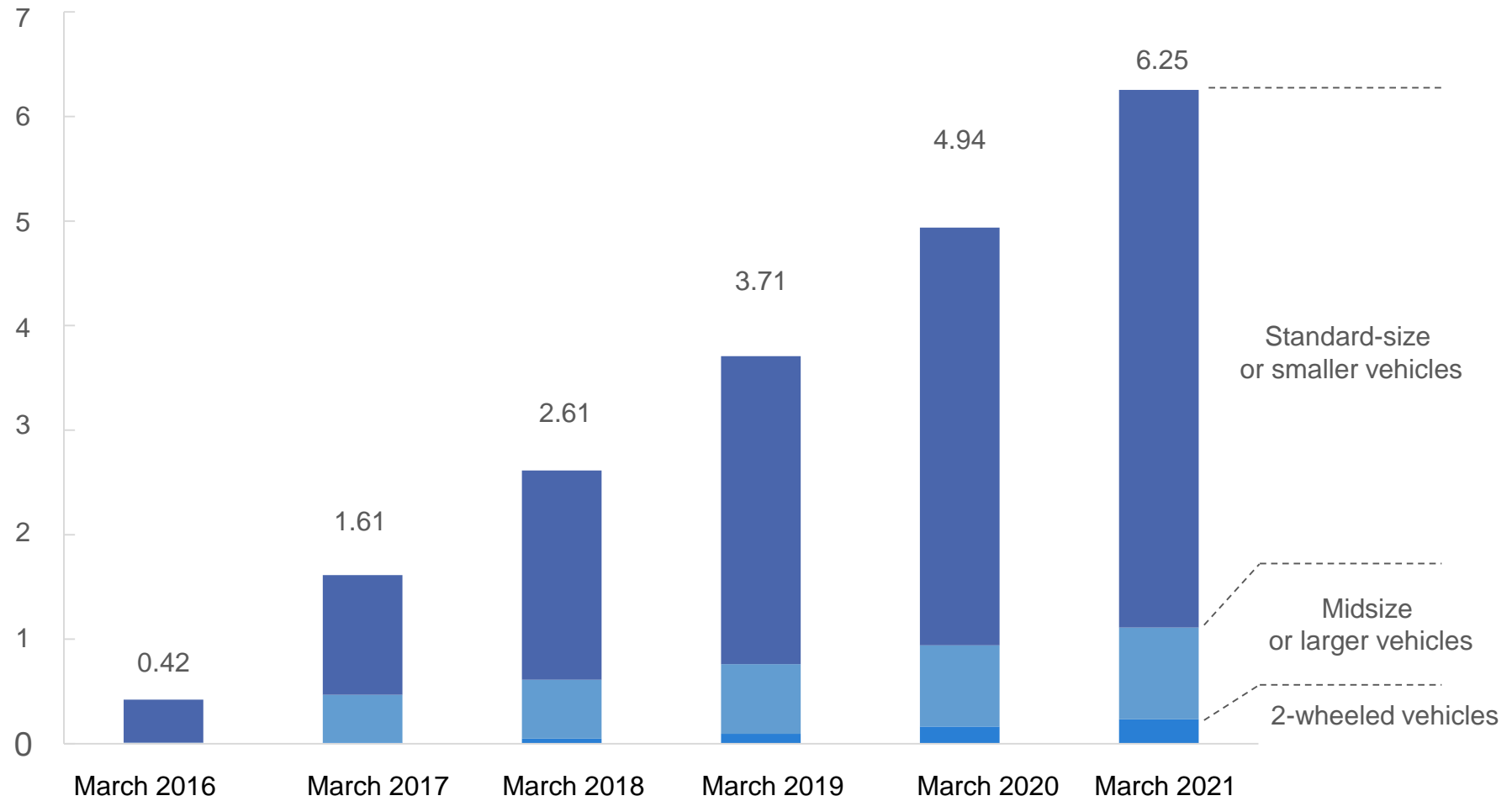


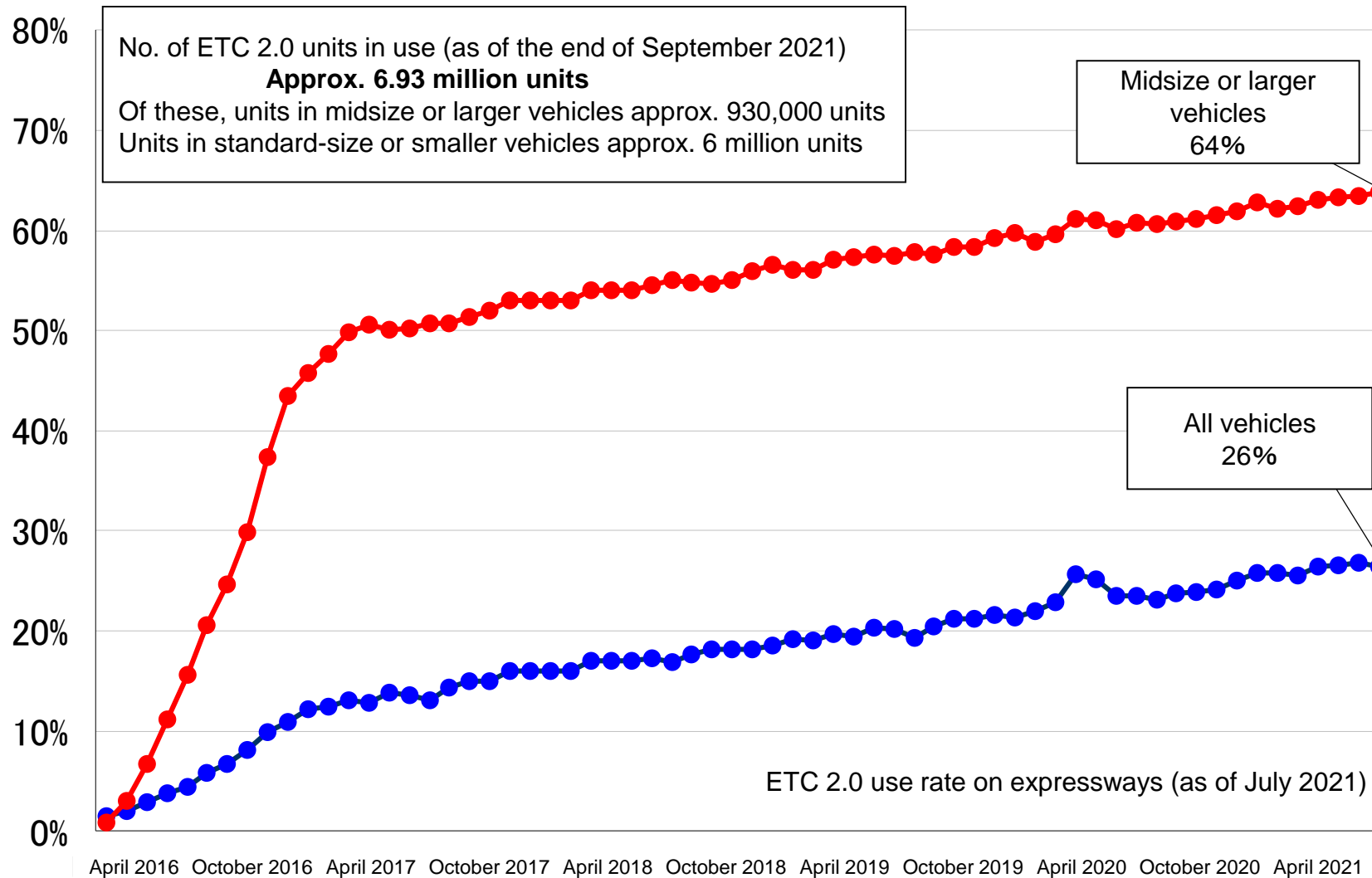
この先渋滞、追突注意

'Traffic congestion ahead, Be careful of a rear-end collision.'

# No. of ETC 2.0 on-board units

(million units)







## Data system for passable routes in the event of a disaster (using public-private Big Data)

