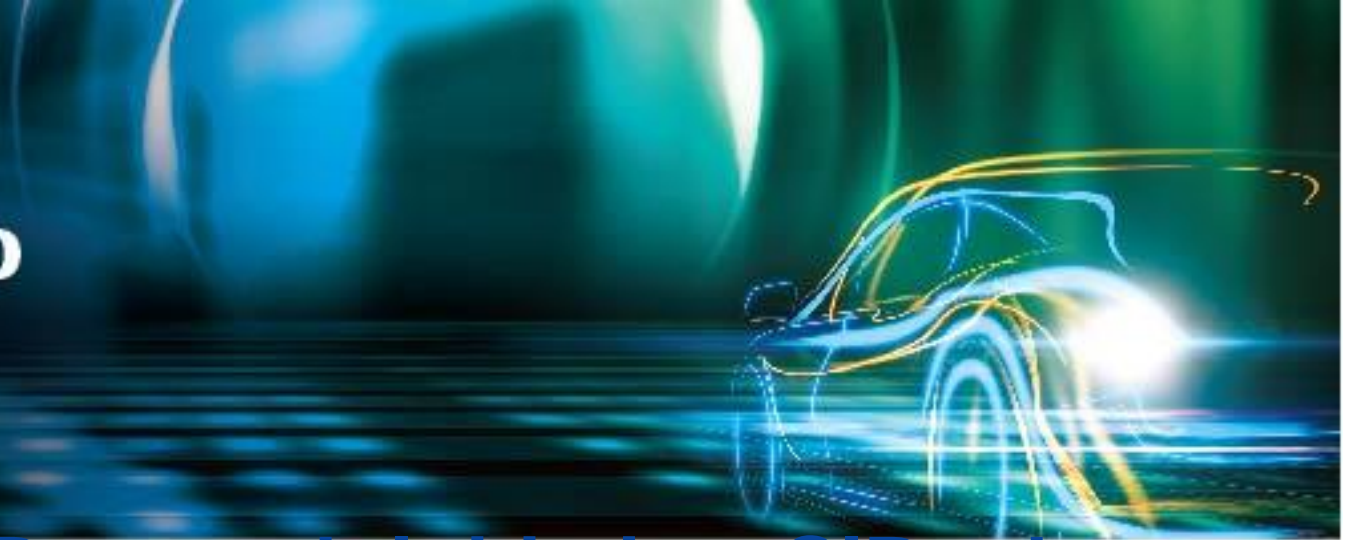


# SIP-adus Workshop 2020



## National Research Initiative, SIP-adus

(automated driving for universal services)

## to realize Society 5.0

Cabinet Office

Bureau of Science, Technology and Innovation

KOGA Yasuyuki



# SIP-adus Workshop 2020

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# Society 5.0

## Data convergence

high degree of convergence between cyberspace (virtual space) and physical space (real space).

Economic advancement

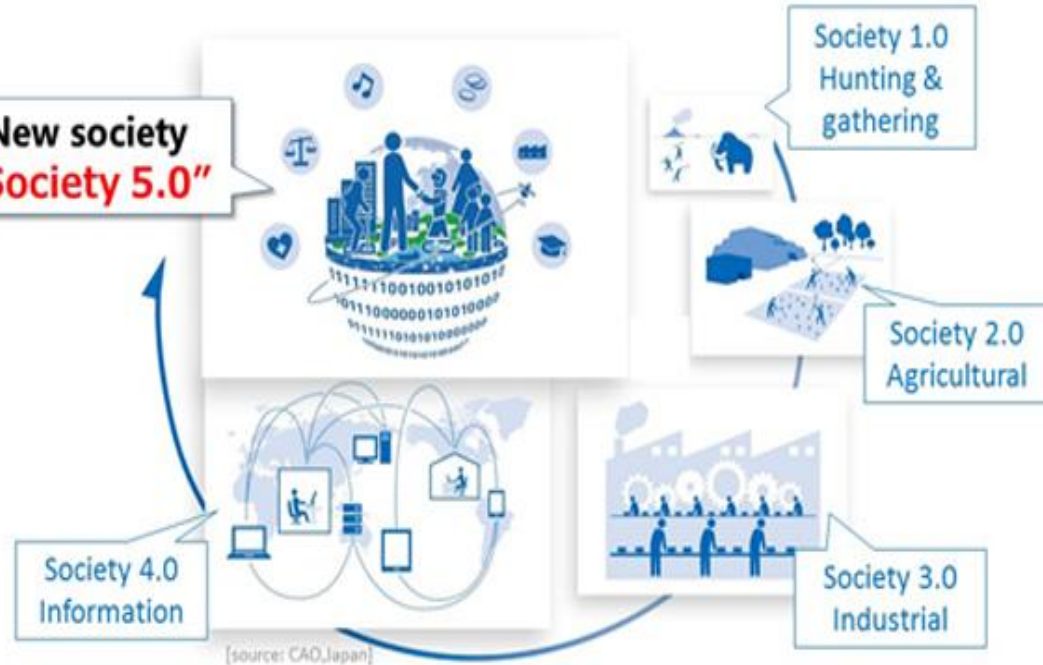
+

Solution of social problems

provision of products and services that are needed to the people that need them at the time they are needed

human-centered society in which anyone can enjoy a high quality of life full of vigor

New society  
"Society 5.0"

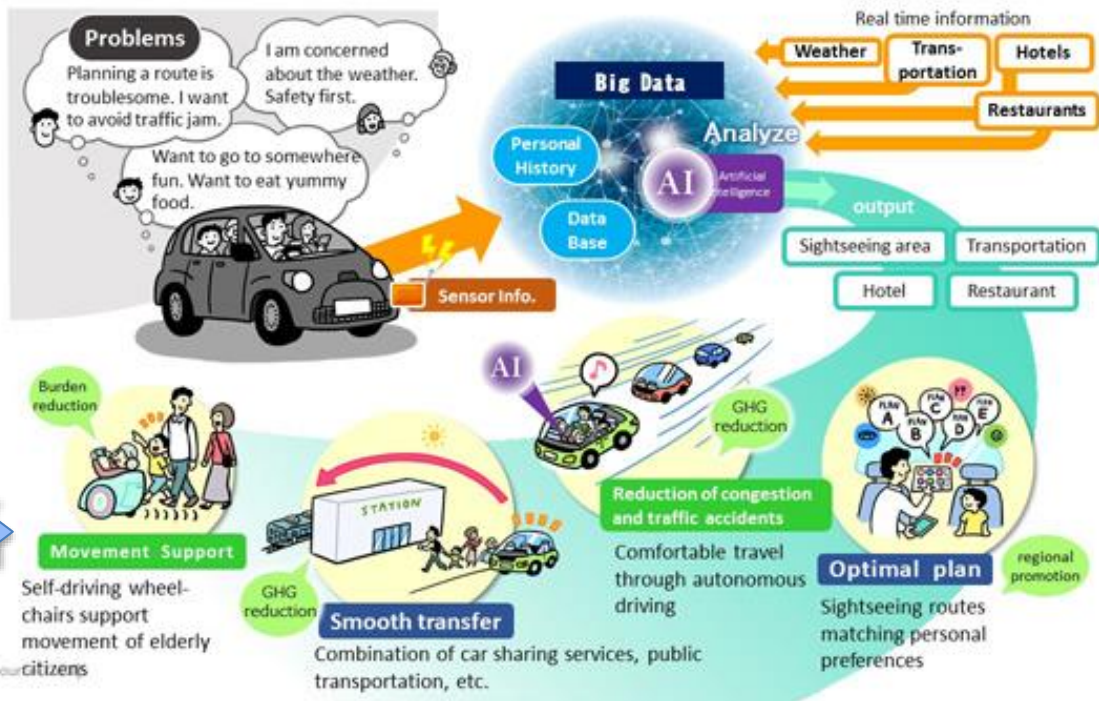


(Cabinet office HP)

# New value in the field of mobility



## Sample case : New value in the field of mobility

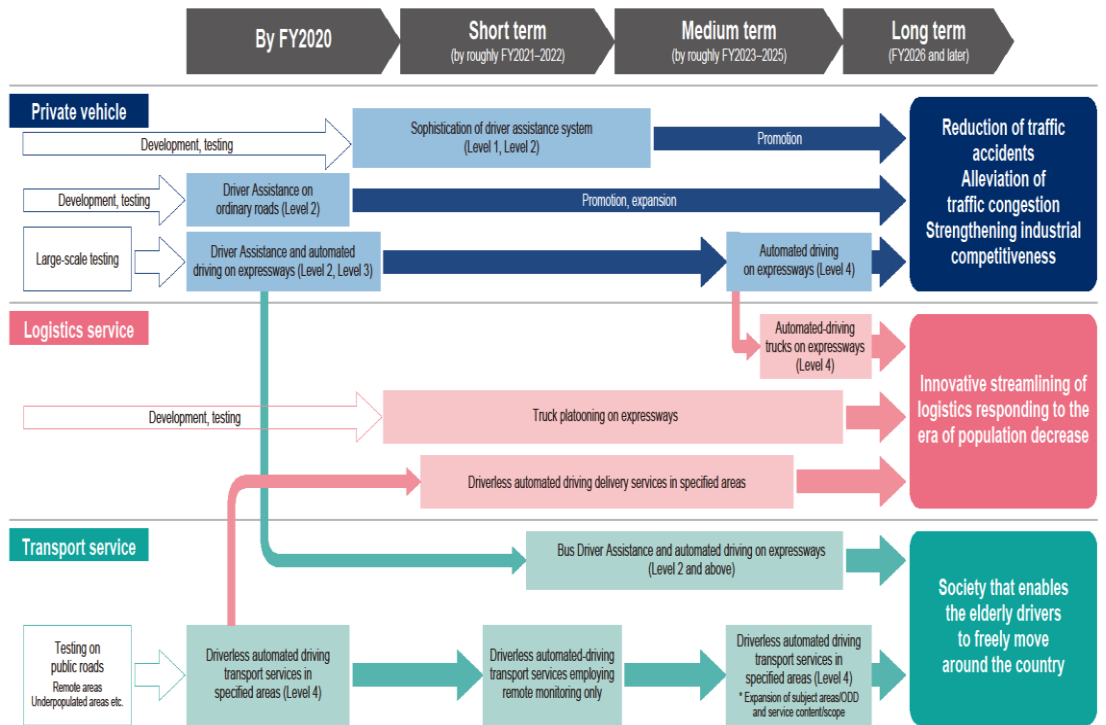


data utilization · data linkage for problem solving · value creation

# Roadmap for automated driving

## The Public-Private ITS Initiative/Roadmaps 2020

### 〈Scenario for Achieving Automated Driving〉



- To establish the **cooperative areas** technologies essential for implementation by 2023
- To create **multiple example cases for commercialization through FOTs** by involving various **businesses and local government**



# Approach toward ads implementation

## For a society with the safest and smoothest mobility for everyone

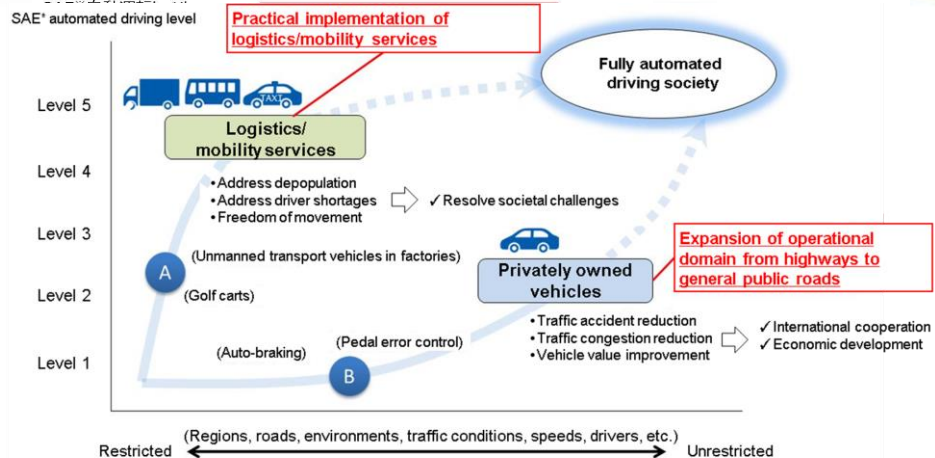
- Reducing traffic accidents and congestion
- Securing mobility in depopulation area
- Resolving for the issues like a mitigating the driver shortage of logistics



**competition**  
(Vehicle, control)



**cooperation**  
(map, infrastructure)

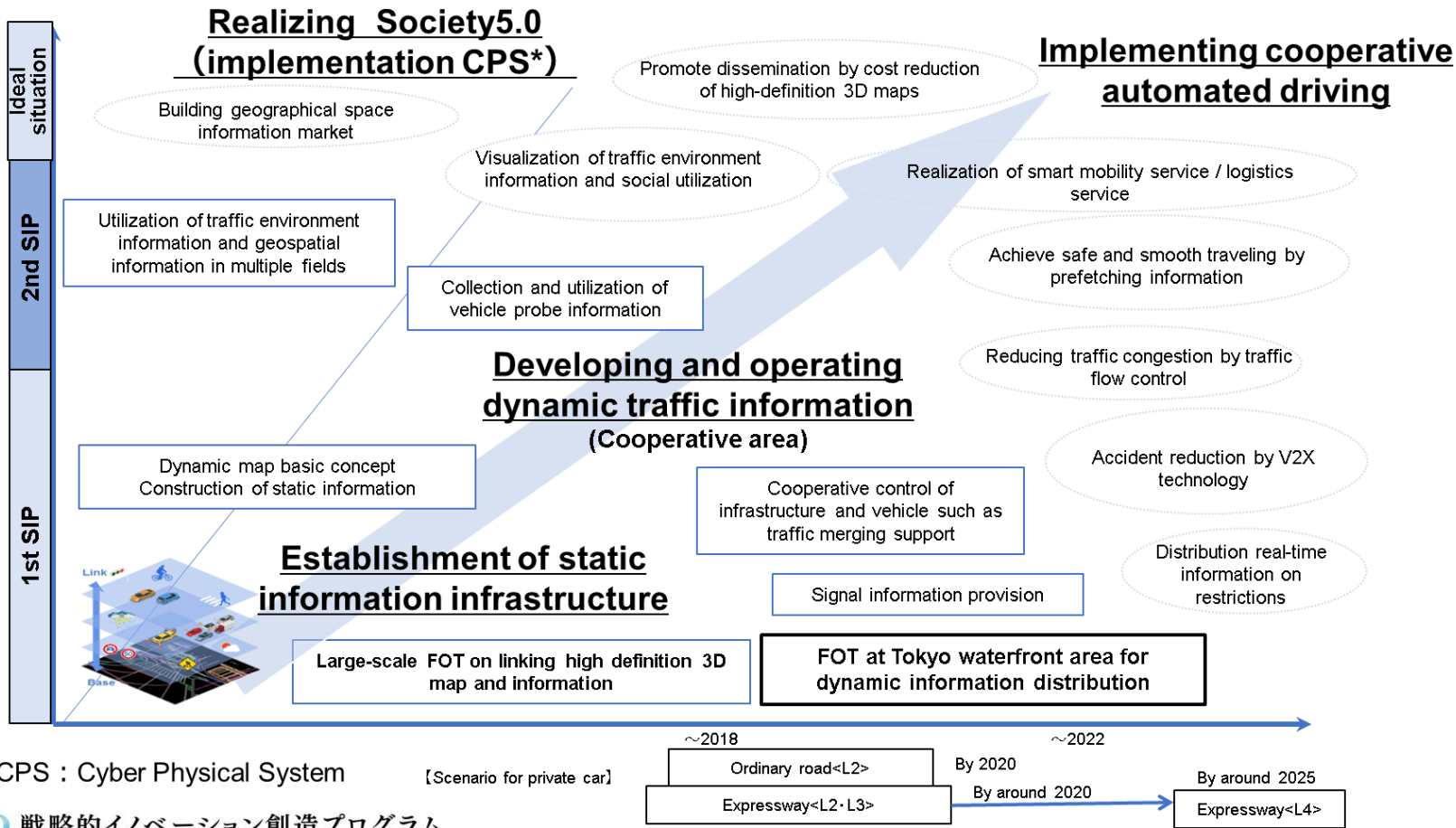


\*SAE (Society of Automotive Engineers): Standardization body in the U.S.

- FOTs (Tokyo waterfront area etc.)
- Technology
  - Establishment of digital infrastructure
  - Unification of data format and interface
  - safety assurance and cybersecurity etc.
- Fostering public acceptance
- Int. cooperation/standardization



# Building the Traffic Environmental Info. Framework



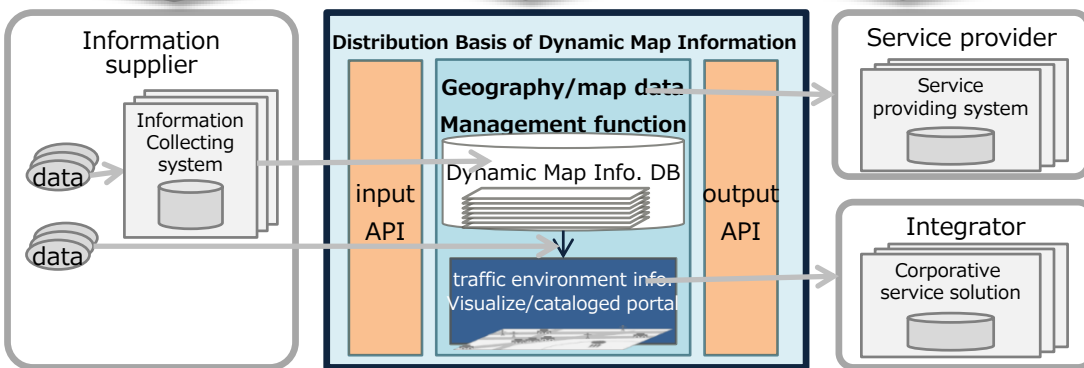
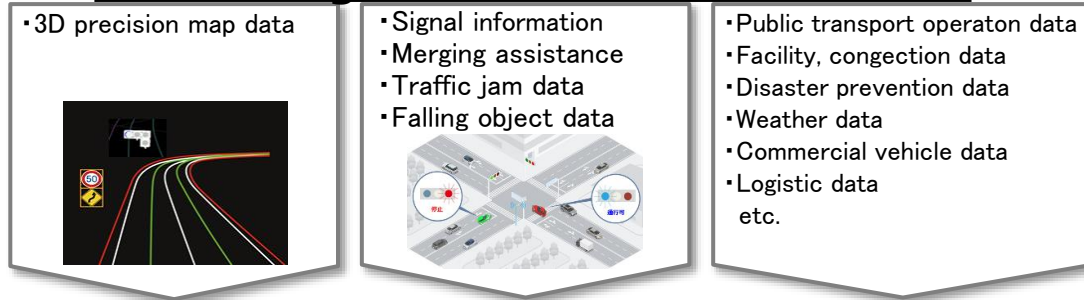
\*CPS : Cyber Physical System

[Scenario for private car]

# Data linkage and utilization for Society 5.0 implementation

## Creation of an architecture for geographical data

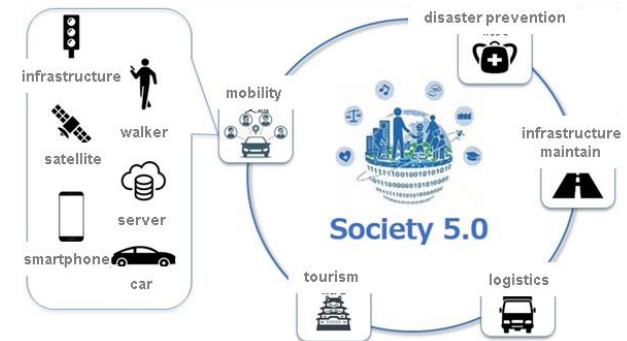
### ① Building and spreading of portal site distributing traffic environmental Info.



- ✓ Matching with info. Supplier and User through portal site
- ✓ Promoting Information Distribution with opened API

### ② KYOTO 楽Mobi Contest

An app contest to solve issues in KYOTO tourism and transport was held to create mobility and logistics services that use traffic environmental data.  
 ⇒Excellent Work will be examined as a public implementation





**SIP-adus  
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2020**

**Thank you**

