

#### **Research Institutes**

- Kanazawa Institute of Technology
- Saitama Institute of Technology
- Japan Automobile Research Institute
- Nagoya University
- Chubu University
- Ritsumeikan University
- Waseda University ACROSS

### **Suppliers**



## **Mobility Service Providers**

- Dynamic Map Platform
- Ascent Robotics
- **Argus Cyber Security**
- 4R Energy Corp.
- **NExT-e Solutions Smart Drive**

**a** 

**a** 

0

0

6 **a** 

10

- 5 JST

#### **OEMs**

**(**) **(**) **(**)

**() ()** 

**() ()** 

**()** (a) (b)

**(**) **(○)** 

**9** 

- ♠ ♠ ♠ Toyota **(**) **(**) **(**) Mitsubishi Motors **(**) Honda
- Daihatsu
- **(**) Nissan Subaru **(**)

**(**) **(**) **(**)

**(**)

**()** (a) (b)

**()** (a) (b)

**(**) **(**) **(**)

**() (** 

**(**)

0

Mazda **(7) (**) Lexus Hino Motors ♠ ♠ ♠

#### **Innovation Policy**

Terra Motors

METI MEXT 2 3 MLIT NEDO **JSPS** 

# Impacts of COVID-19

Accelerated development & implementation converge to promote economic evolution & of next-generation mobility (e.g. smart cities, AV, use of robots & unmanned

platooning)

- Accelerated digital transformation → Foundation of a digital agency
- Formation of local public transport plan

**Conclusions** 

catastrophes & crises

move freely & save

solutions to social issues

comfortable means of transport to

Focus on resilience & prevention (resilient

value chain) due to experiences with

The Japanese government emphasises industrial competitiveness as well as solving societal issues with their AV policy, following a mixed approach between technology development (e.g. platform technologies) and practical applications & testing of AVs. The development is often initiated from the application side. ITS and connectivity are considered a prerequisite, whereas some innovative technologies lack behind (e.g. Al). Research goals for electrification are mainly related to charging & refuelling infrastructure. Energyrelated research has high importance. The road transport research landscape is shaped by a strong cooperation between public authorities and companies with their traditional value chains.

#### References

- <sup>1</sup>METI (2021) Green Growth Strategy towards 2050 Carbon Neutrality
- <sup>2</sup>MLIT (2021) Summary of the white paper on land, infrastructure, transport and Tourism in Japan
- 3 Automobile traffic subcommittee et al (2021) The Future of vehicle safety for a traffic accident-free society
- <sup>4</sup> Hydrogen and fuel cell strategy council (2019) Strategic road map for hydrogen and fuel cells
- <sup>5</sup> Cabinet Office (2021) Cross-ministerial Strategic Innovation Promotion Program (SIP) Automated Driving for Universal Services 6 https://en.sip-adus.go.ip/
- <sup>7</sup> Government of Japan (2021) Science, technology, and innovation basic plan

