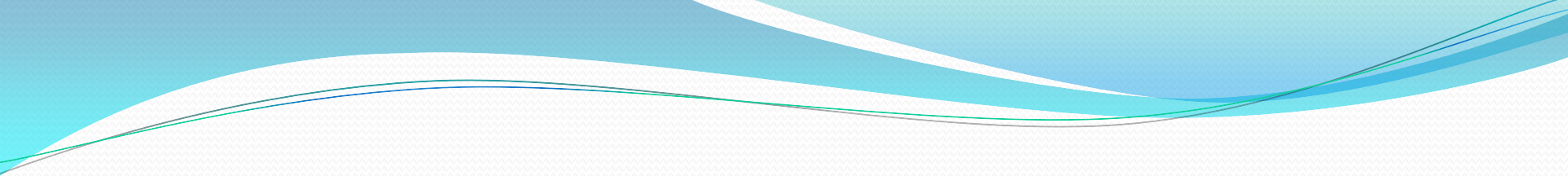


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- G7 ICT and Industry Multi-stakeholder Conference
Session2: Free Flow of Information and Sustainable Growth

Environment for the New Digital Services

Sept. 2017

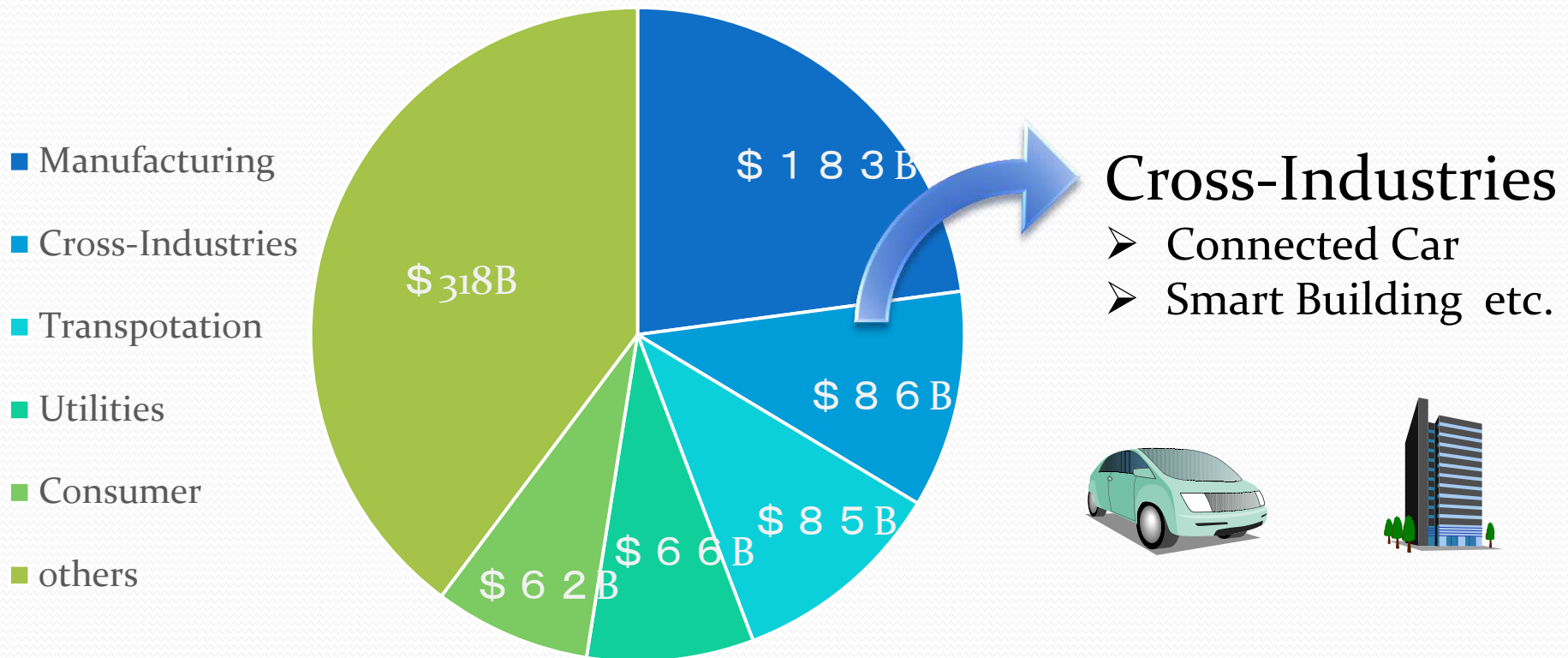
Toshinori Kajiura

Acting chair, Sub-committee of Information & Communication Policy, KEIDANREN

Senior Researcher (ICT Policy), HITACHI Ltd.

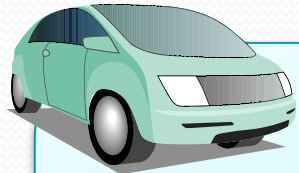
1. Impact of IoT “Digital” Economy

Worldwide Spending on the IoT, 2017 (IDC, 2017)



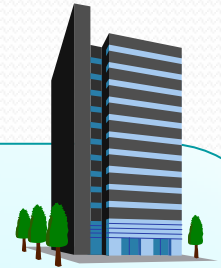
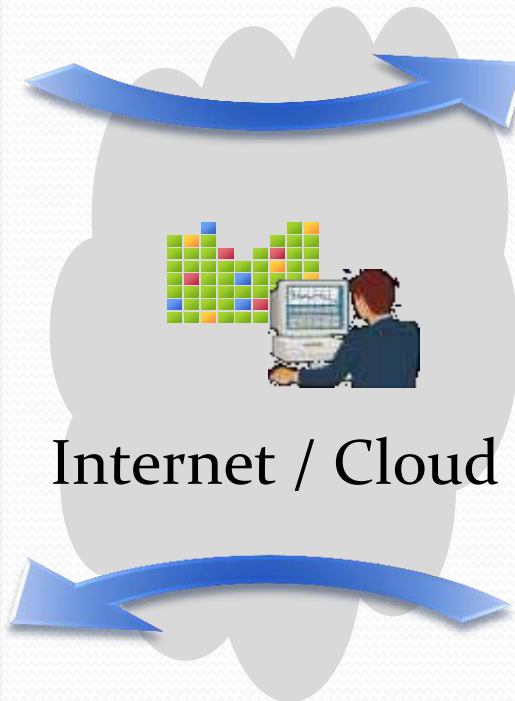
\$800 billion in 2017 -> \$1.4 trillion in 2021

2. Data Utilization of Connected Cars



Worldwide
shipment of
connected car

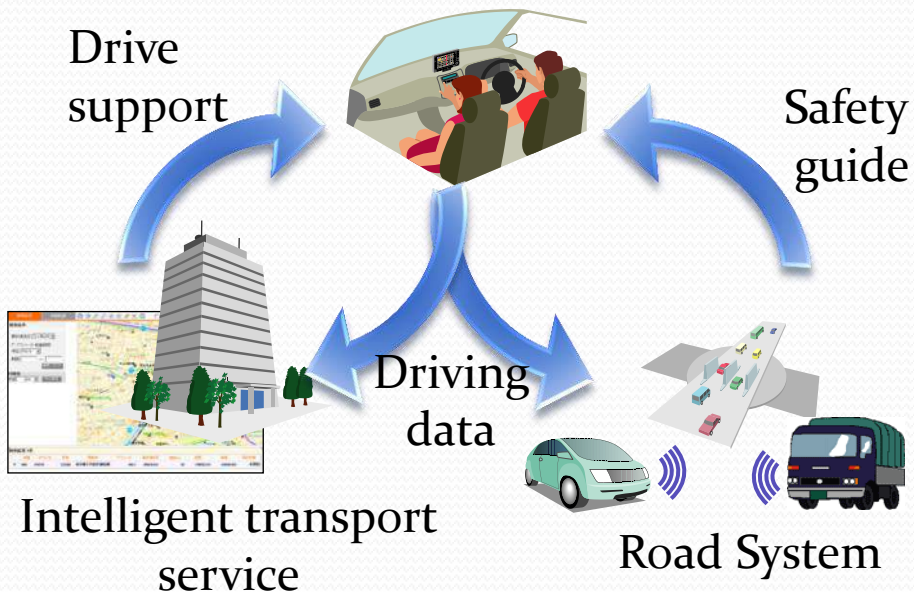
2017
20Munit(29%)
↓
2035
100Munit(93%)



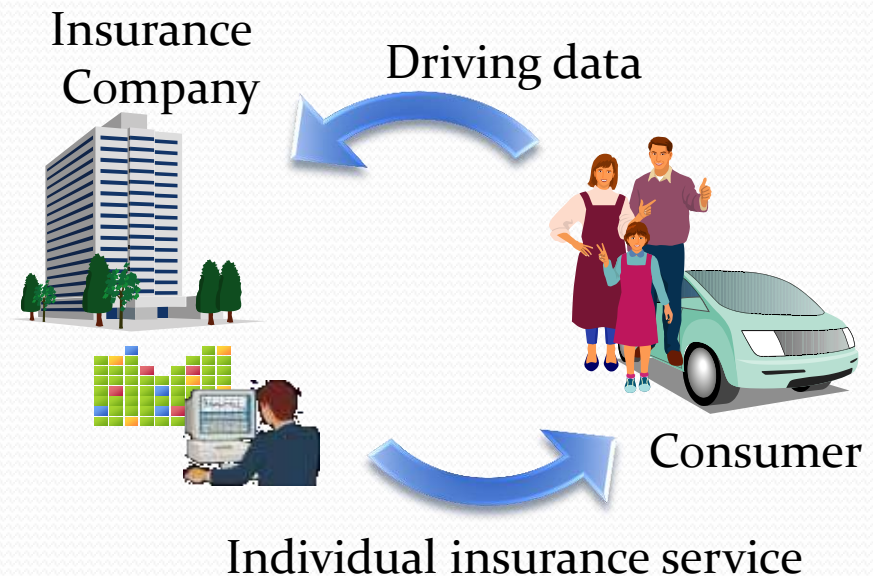
- Government
- Local government
- Insurance
- Maintenance
- Second hand deal
- Urban design
- Manufacture
- Transport
- Sightseeing
- Energy supply
- Traffic control etc.

3. New Services of Connected Car

Automated Driving



Telematics Insurance



More Services

- Car sharing support
- Optimized transportation
- Emergency call support
- Real time geo-information
- Trace for stolen car etc.

4. Issues for New Services

Interoperability of the Data

- Basic data should be standardized for every cars.
- Common ID, 3D-coordinate, data-format and meanings.

Cyber Security / Privacy Protection

- Reinforcement of cyber-security is a basic condition for all connected car services.
- Anonymize technology for appropriate privacy protection.

Regulatory Environment

- International harmony of the regulations.
- Cross border data-flows make equivalent services for every connected regions / countries.
- Data utilization rules and open data promotion.

5. Effects of “Cross Border Data-Flows”

Field side

Position, Operational status etc.

Advice, Maintenance, Anti-crime etc.

Service side

Data

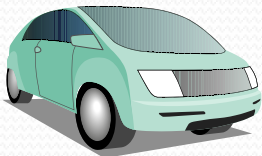
Information

Intelligence

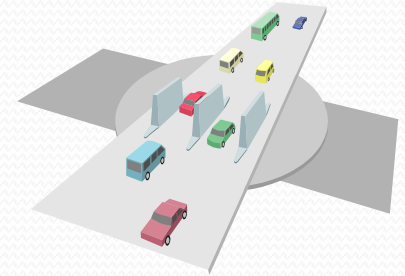
Effect on the field side : Productivity improvement,
Reduction of cost for maintenance, and glitch-prevention.

Effect on the service side : Improvement of technology and product,
Acquisition of know-how, marketing promotion.

6. Environment for New Digital Services



Startups, SMEs
and New Comers
New Services / Values
Social Innovations



Industries
Interoperability
Cyber Security
Privacy Protection

Governments
International Harmony
Cross Border Data-Flows
Data Utilization Rules
Open Data Promotion

Economic Growth and Social Sustainability