Plenary 2
Physical Internet initiatives worldwide

Physical Internet Initiatives in Japan
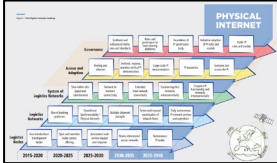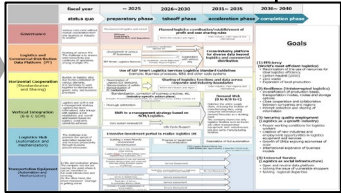
- **Updates on PI Roadmap by the Japanese government**

- **Launch of Japan Physical Internet Center**

Tadashi Mizutani

Nomura Research Institute

Physical Internet Initiatives in Japan

	2019	2020	2021	2022	2023
Events worldwide	IPIC 2019 PI Roadmap by ALICE	IPIC 2020	IPIC 2021		IPIC 2023
Physical Internet Realization Council In Japan				PI Roadmap by the Japanese government	
Raising awareness of PI in Japan		Yamato Group Research Institute		JPIC	

IPIC 2023

Physical Internet Roadmaps

Created by ALICE in 2020

Created by Japanese Gvmt in 2022

Logistics problems in Japan

Low truck fill rate

- **Truck fill rate is 40%.**

- **In April of 2024, truck driver overtime will be reduced to 960 hours per year.**

- **Estimated truck capacity shortage**
  14% in 2024
  34% in 2030

Idle time of truck drivers

- **3 hours for loading/unloading and waiting at warehouses**

Breakdown of truck driver working hours
(12.5 hours per day)

inspection, 0.7
handling, 1.5
wait, 1.6
rest, 2.0
driving, 6.7
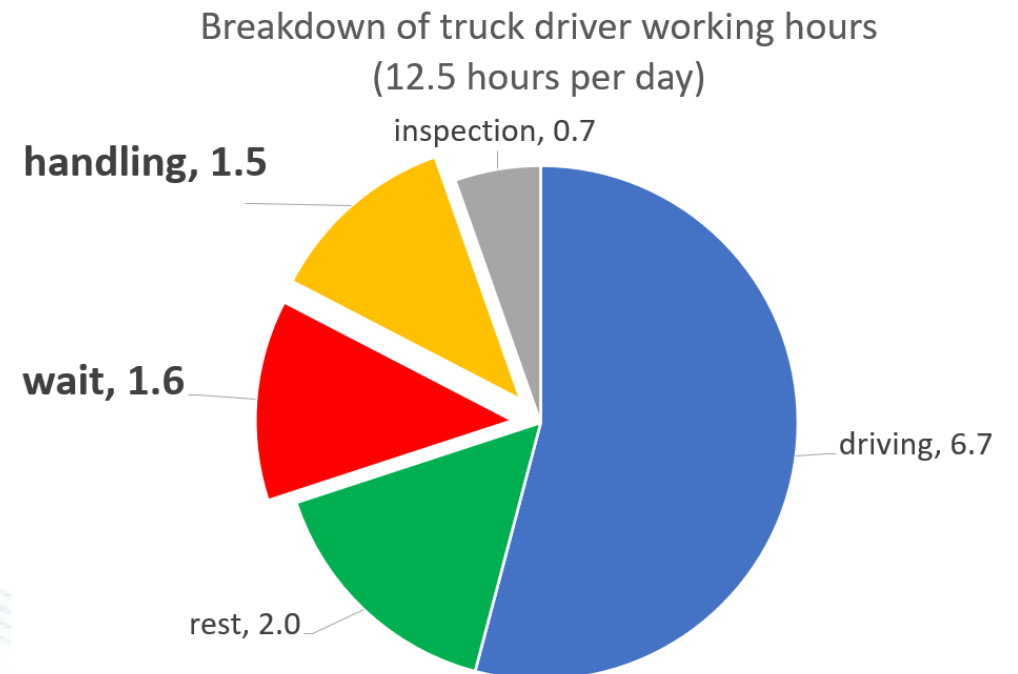
6 areas in PI roadmap by Japanese Gvmt

Governance

Trade and transport data platform

Horizontal cooperation

Vertical integration

Logistics hub

Transportation equipment

Expanded the scope of thinking from logistics to SCM

IPIC 2023
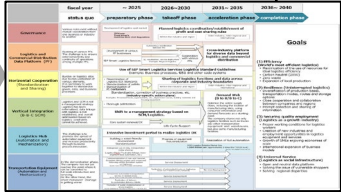
Working groups by industry

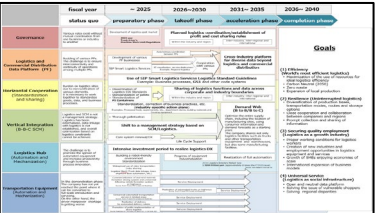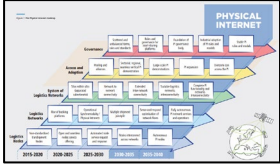|	2021	2022	2023
Physical Internet Realization Council In Japan		**PI Roadmap by the Japanese government**	
Working groups by industry		FMCG	
		apparel (in department store)	
		building materials/housing equipment	
			(new) chemicals

4 topics at FMCG Working group
- Standardization of product and location data
- Standardization of logistics containers
- Reform of inter-company business processes
- Data sharing

IPIC 2023

Launch of Japan Physical Internet Center

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IPIC 2023

Launch of Japan Physical Internet Center

- Launched in June of 2022

- Led by Mr. Tsutomu Araki, Representative Director of JPIC

- Succeeded activities to raise awareness of PI in Japan from YRI

- Will promote cross-industry initiatives

Mr. Tsutomu Araki

Category	Members
Shippers	NISSIN 日清食品　SEVEN&i HOLDINGS　ÆON
Logistics Service Providers	JR貨物　NIPPON EXPRESS　LOGISTEED
Material handling manufacturers	DAIFUKU　TOYOTA
IT services providers	SOUCO　SATO　TKSL トーヨーカネツ

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