



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


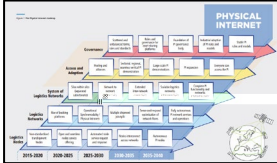



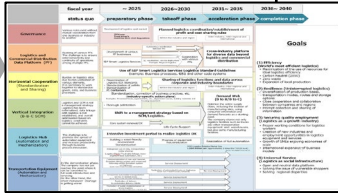




Tadashi Mizutani

Nomura Research Institute

IPIC 2023

Physical Internet Initiatives in Japan

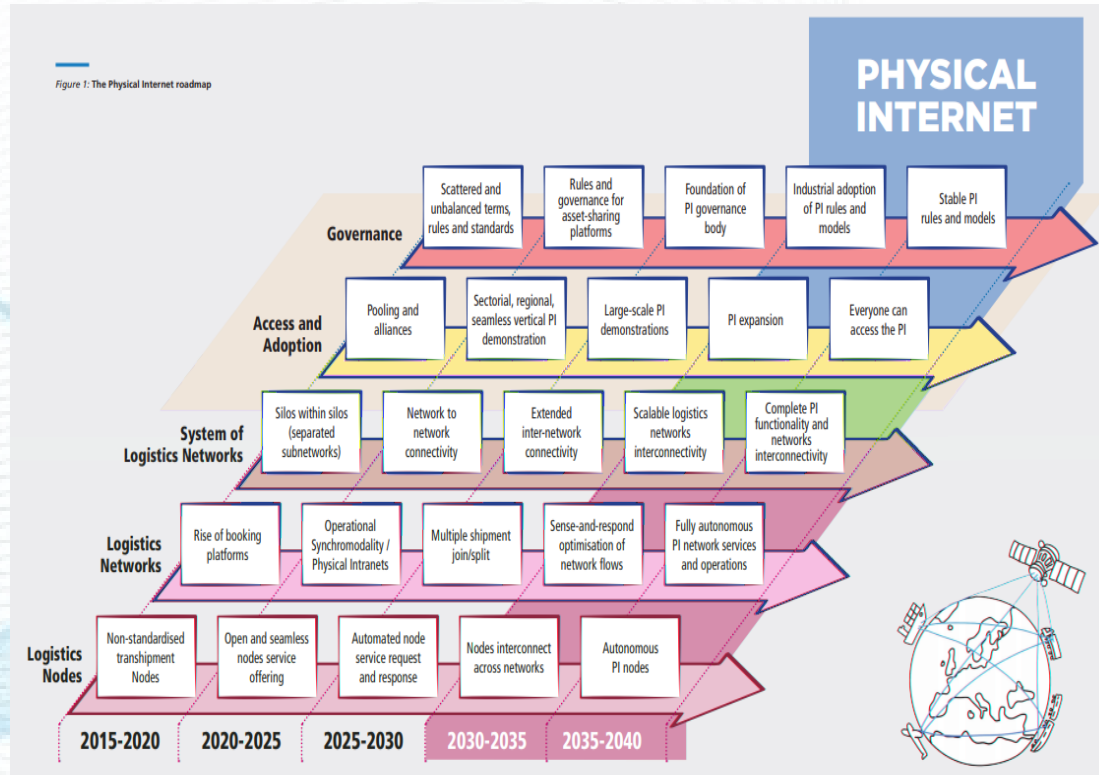
	2019	2020	2021	2022	2023
Events worldwide	 PI Roadmap by ALICE 				
Physical Internet Realization Council In Japan					
Raising awareness of PI in Japan					

IPIC 2023

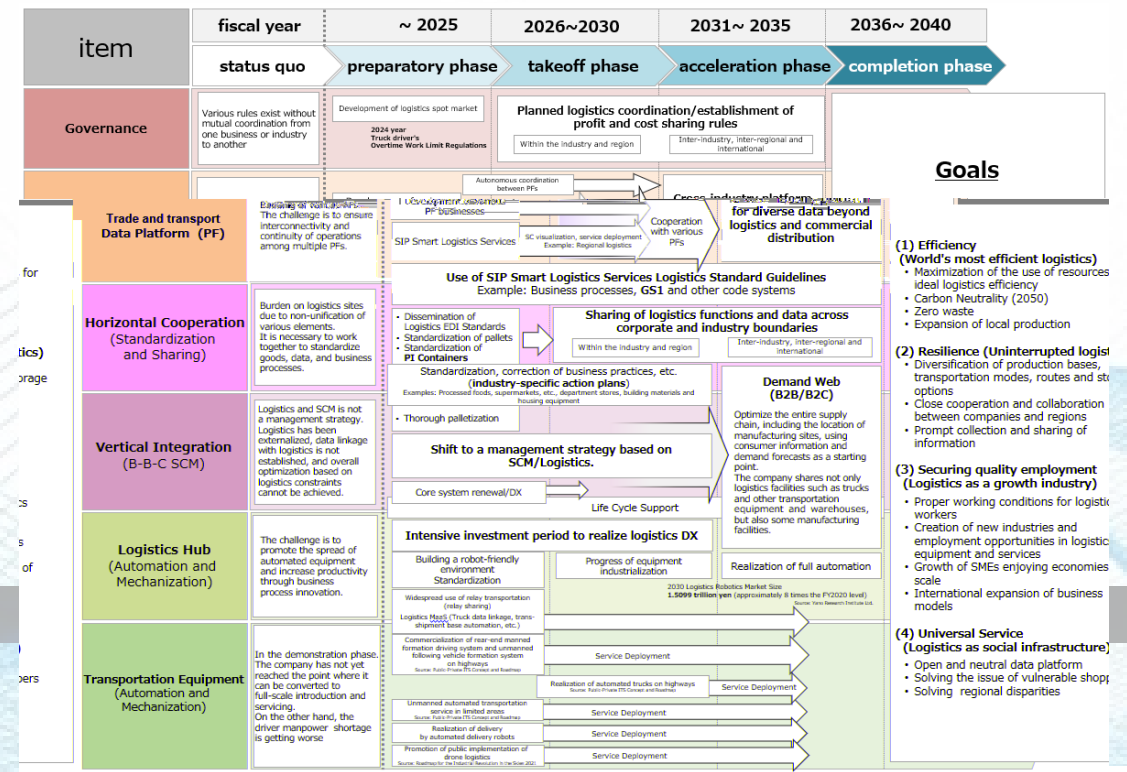
Physical Internet Roadmaps



Created by ALICE in 2020



Created by Japanese Gvmt in 2022



IPIC 2023

Logistics problems in Japan

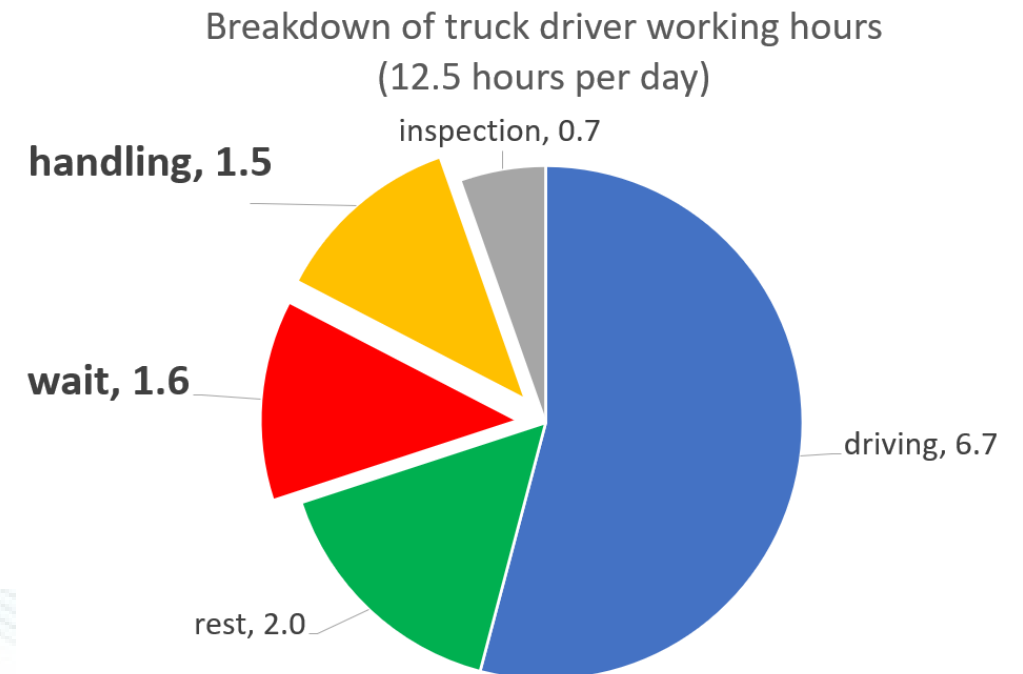


Low truck fill rate

- 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



6 areas in PI roadmap by Japanese Gvmt

Governance

Trade and transport data platform

Horizontal cooperation

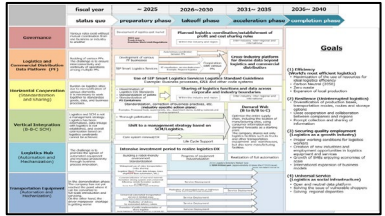
Vertical integration

Logistics hub

Transportation equipment

**Expanded the scope
of thinking from
logistics to SCM**


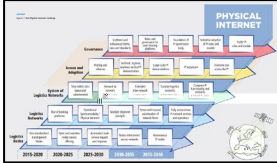



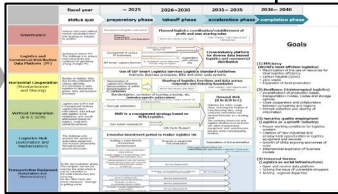


Working groups by industry

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

4 topics at FMCG Working group

- Standardization of product and location data
- Standardization of logistics containers
- Reform of inter-company business processes
- Data sharing

Launch of Japan Physical Internet Center

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

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				
Logistics Service Providers				
Material handling manufacturers				
IT services providers				

Contact information

Tadashi Mizutani

Expert Consultant

Nomura Research Institute

t-mizutani@nri.co.jp



IPIC 2023