Innovation for Cool Earth Forum (ICEF)　9th Annual Meeting

"Demand-driven Energy Transformation" Session

Green x Digital Consortium

Data Visualization Project

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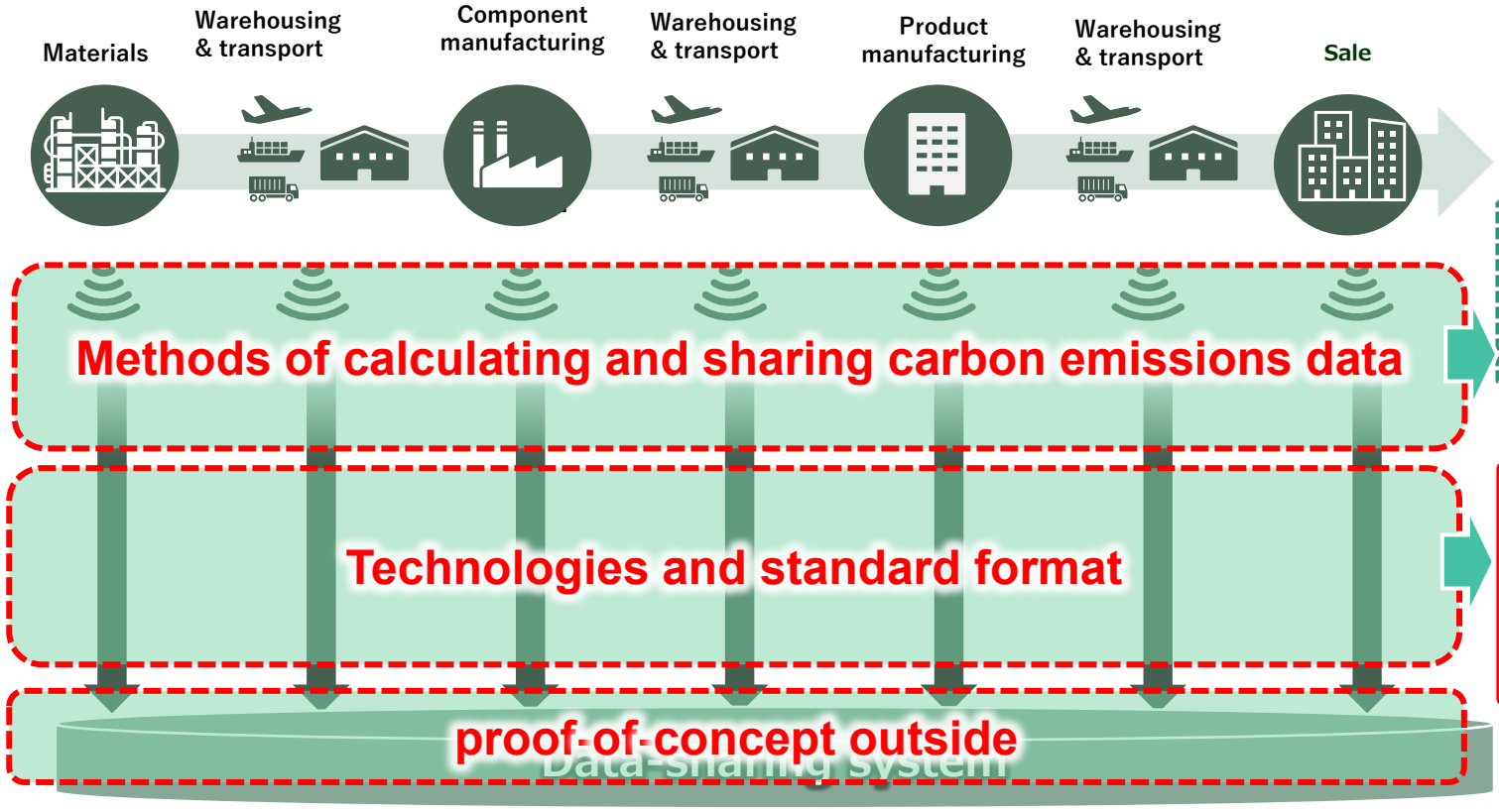
Overview of our activities: Data Visualization Project

- We will undertake the following activities to accurately gauge and pursue reduction of supply chain emissions with a particular focus on Scope 3:
  ① Create methods (guidelines) for collecting, calculating and sharing carbon emissions data
  ② Consider technologies and a standard format for data
  ③ Conduct a PoC experiment on data linkage between carbon data emissions visualization solutions



Project Leader: NEC Corporation

Methodology Team
(Leader) Mizuho Research & Technologies
(Sub-leader) NTT data, brother industries

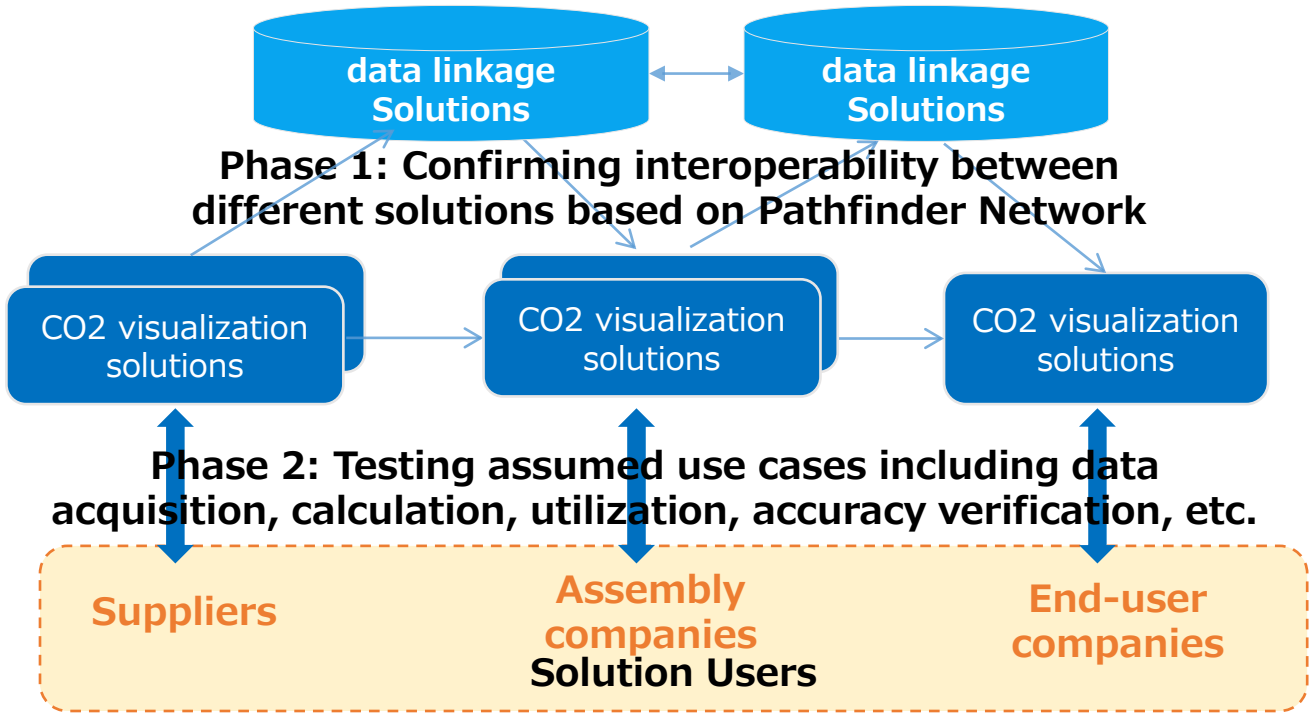
Technical Spec Team
(Leader) Fujitsu
(Sub-leader) NTT data, Nomura Research Institute

①Drivers of the behavioral change in energy consumption
-Achieving Carbon Neutral Target for Product Manufacturing: For seeking Green products and greener suppliers
-Induction of investment by appealing as a sustainable company aiming for Carbon Neutral
②Policy and framework to facilitate the energy demand side : Business competitiveness: Involvement into Global initiatives and tacked with global partnership with using the same philosophy and framework (WBCSD Pathfinder framework, Partnership for Carbon Transparency :PACT)

2 steps PoC on SCOPE3 emission data exchange

- A PoC is planned from the end of this year to next year in two phases.
- In Phase 1, the Pathfinder Network's data items and API specifications will be used to confirm the interoperability of multiple CO2 visualization and data exchange solutions.
- In the Phase 2, the use cases will be set in accordance with users' requirements and data exchange will be tested based on those assumed use cases.

PoC Image



Phase 1: Testing interoperability between different solutions

- ✓ **Using Pathfinder Network-based data items and API specifications**

Phase 2: Testing assumed use cases including data acquisition, calculation, utilization, accuracy verification, etc.

- ✓ **Testing with Solutions Users**
- ✓ **Items unique to the consortium will also be added**

③Social innovation and technologies : Technologies for linking primary data in the supply chain (for example, blockchain), being tamper-proof and ensuring traceability are important.

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