tracelabs
origintrail Core Developers

Making Supply Chains Work.
Together.

Food Data Market Project

Incentivised Data Exchange for Sustainable Supply Chains

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We believe **sustainable supply chains** are only possible by allowing **all organisations**, big or small, to benefit from **trusted data exchanges.**

Growing a Modern Knowledge Economy.

origintrail

Neutrality

Open-source protocol for cross-organizational data exchange.

tracealliance

Inclusiveness

A community and knowledge hub connecting organizations interested in the OriginTrail ecosystem.

tracelabs

Usability

Easy to implement business solutions utilizing the OriginTrail protocol.

Unlocking the Potential of Data

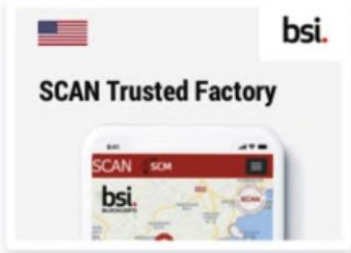
tracelabs

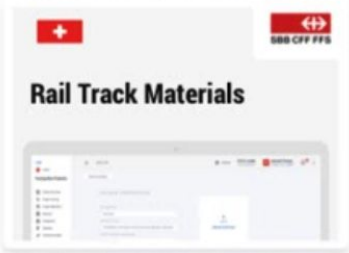
4. WISDOM

Google for supply chains.

3. KNOWLEDGE

Connected information presented in relevant domain context.





2. INFORMATION

Processed, structured and trusted data.

GS1 origintrail W3C®

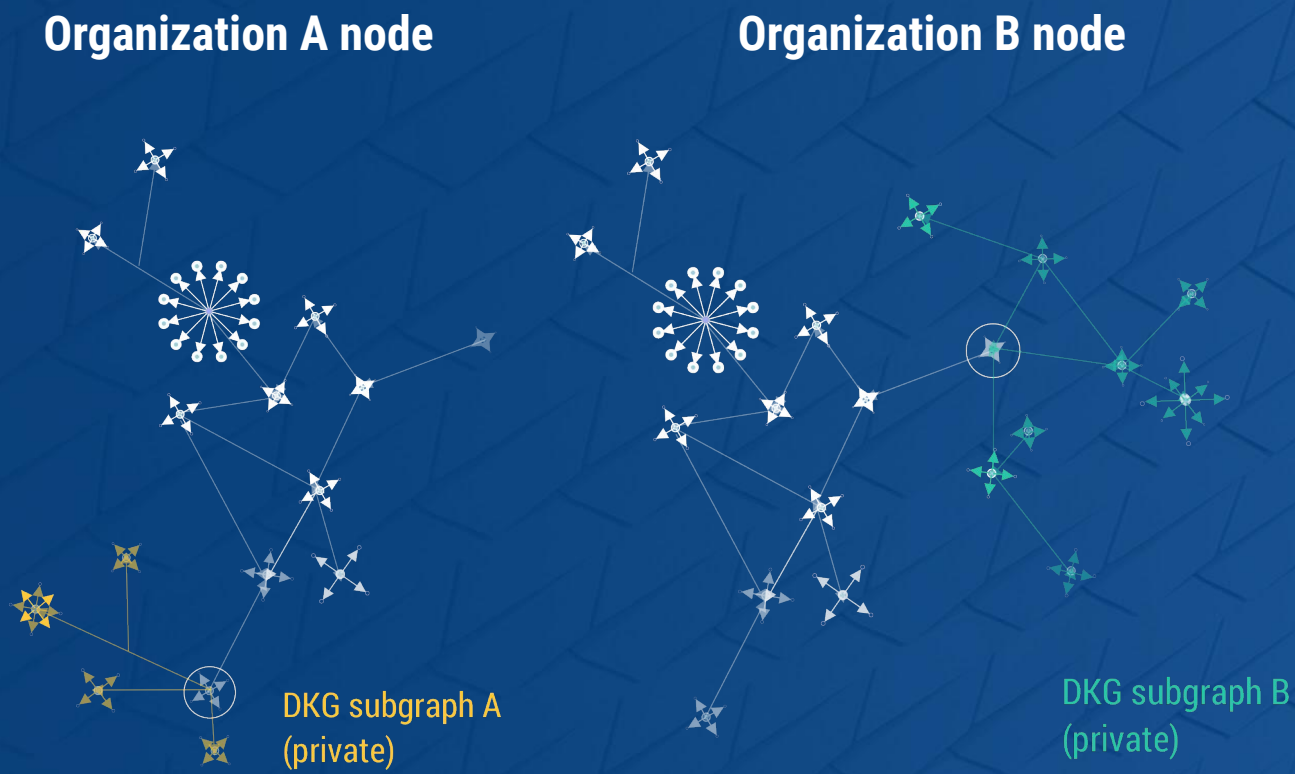
1. DATA

Data lakes in closed systems.

ORACLE salesforce IBM Microsoft Dynamics NAV SAP

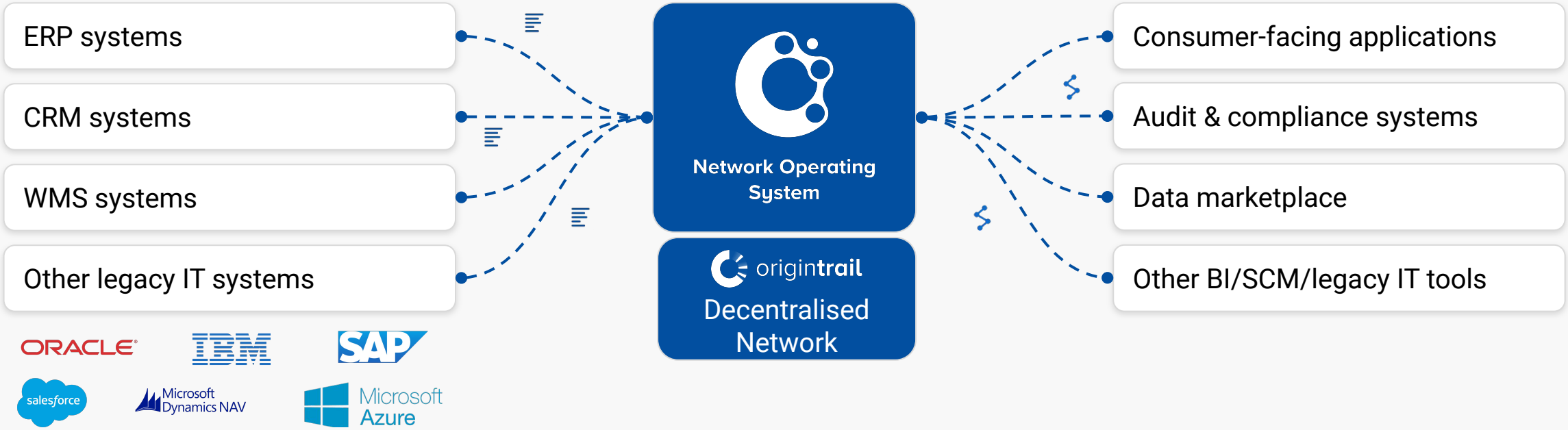
OriginTrail Decentralised Knowledge Graph

- Public and permissioned data in a **single decentralized knowledge graph**
- **SSI** enabled data access control scheme ensuring **data privacy**
- **Integrity** of public and **data privacy** of permissioned DLT system



Network Operating System (nOS)

Pay-per-use model - credits used for actions like data structuring and securing data on blockchain



✔ **Data interoperability & connectivity**

✔ **Data integrity based on blockchain**

✔ **Privacy-by-design data approach**

HOW Does the Food Data Market Work

Food Producer
Data Seller

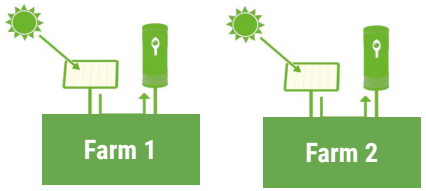
Datasets →

← **Compensation per dataset**

Retailer
Data Buyer

Data Sources

Provenance
Data (EPCIS)



IoT Farm measurements

Data Marketplace

by tracelabs

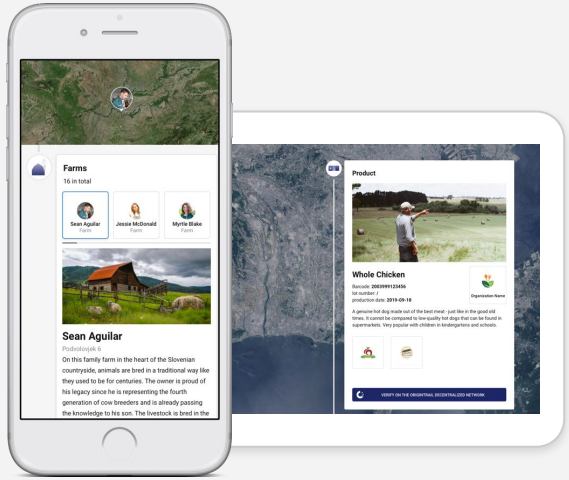
nOS FDM Interface

Data marketplace smart contracts

origintrail

Decentralized p2p data exchange network

Data Destination



FDM NGI Atlantic Goals

Kakaxi devices in at least 3 global supply chains

Reach sustainability and keep devices on the field by selling the data they capture

Enhance market positioning of data marketplace enabled Kakaxi device

Thank you for your attention.

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