

Case Study: Bolton to Metro Supply Chain

Enabling the conveyance of traceability data on canned MSC-certified tuna using Global Standards 1 (GS1)'s Electronic Product Code Information Services (EPCIS) XML schema.



Use Case Tested

The Bolton to Metro supply chain enabled the conveyance of traceability data on canned MSC-certified tuna using EPCIS into their traceability system, fTrace, which provides data in a B2B2C use case.

Challenges

Bolton had to adapt their internal traceability system so that it would output product traceability information in EPCIS.

Next Steps

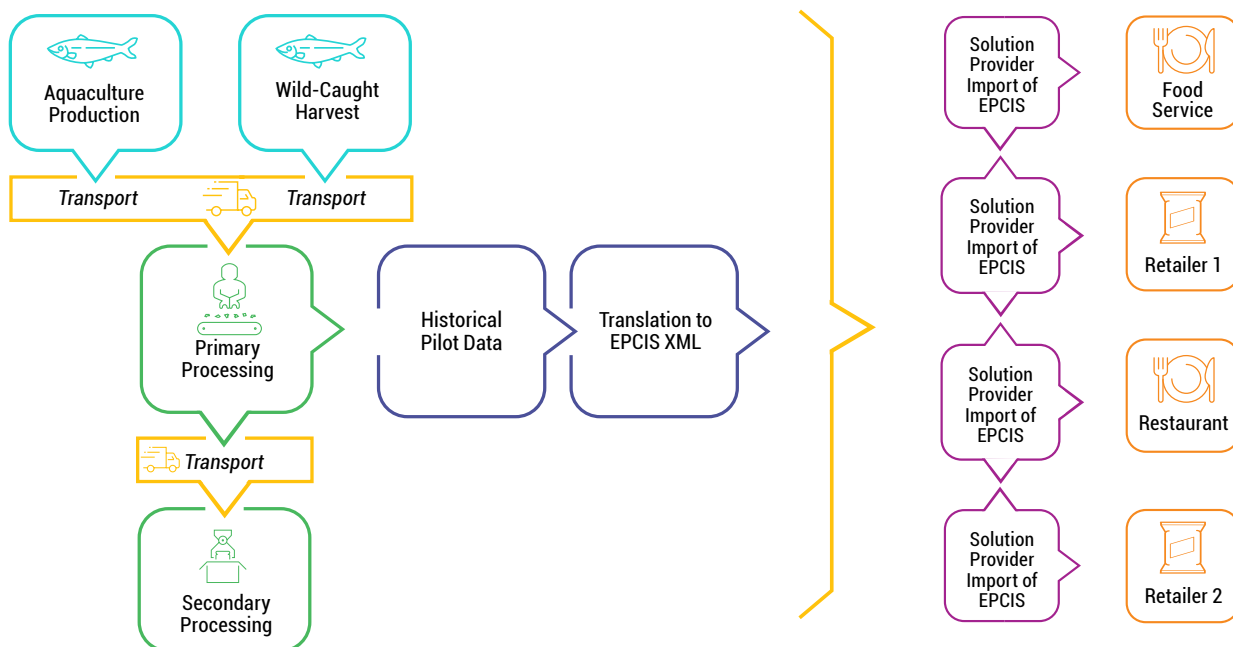
Bolton will output traceability data in GDST-compliant EPCIS with real-time product.

Methodology

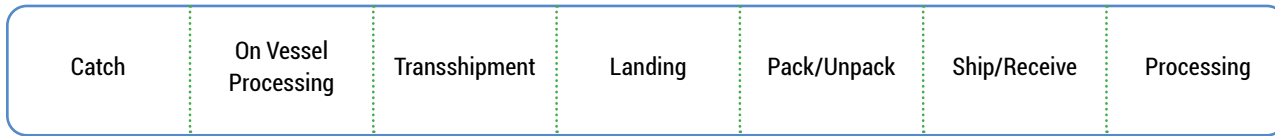
Bolton and Metro participated in the second wave of pilots conducted by the Global Dialogue on Seafood Traceability (GDST) to accomplish interoperable sharing of supply chain data. Traceability data was collected by GDST co-conveners Institute of Food Technologists' Global Food Traceability Center and the World Wildlife Fund for Nature. The data was then translated into GS1's EPCIS XML schema to test interoperability systems between Bolton and Metro, a retail partner in the GDST.

The advantages of EPCIS is that it is designed to be used to represent visibility data within the supply chain and is well suited for housing traceability data through its Critical Tracking Events (CTEs). Many supply chain partners, especially processors, distributors, and retailers use GS1 standards of identification and data sharing, including EPCIS. The file was developed through the collection of historical traceability data, translation to EPCIS, and testing with retail partners and their respective solution providers.

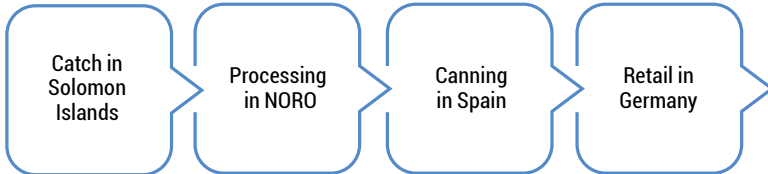
To adapt traceability data into an interoperable file format, the pilot participants mapped their process flow diagram into a matrix of Key Data Elements (KDEs) and CTEs. By identifying which KDEs they are already collecting and at what CTEs, the GDST secretariat was able to assist in performing a gap analysis and encode the data into EPCIS.



Critical Tracking Events



Supply Chain



Catch Method

Purse Seine

Commodity

Wild caught MSC certified tuna

Geographic region

Solomon Islands FAO 71, Processing to Loins in Noro, Canning in Marin Spain, Retail in Germany.



Participants



Bolton Group, based in Milan, Italy, produces a diverse array of consumer products, including lines in food, home/laundry, adhesives, personal care, and beauty. With a worldwide reach, Bolton distributes products to 100 million households in 136 countries, with food being 69% of their sales.

Prominent in their food brands are their canned tuna products, of which they have developed robust end-to-end traceability to ensure their sustainability initiatives.

boltongroup.net.



METRO GROUP is a leading global retailing company with approximately 250,000 employees working in over 2,200 outlets in 31 countries throughout Europe and Asia. With sales totaling nearly € 66 billion in 2012/13, METRO GROUP's portfolio of strong brands offers a wide range of services for commercial customers and consumers alike. METRO GROUP's largest business is METRO Cash & Carry, a leading cash-and-carry wholesaler that offers approximately 50,000 food and non-food products to meet the specific demands of its professional customers such as hotel and restaurant operators, catering firms, independent small retailers, institutions and offices.

metro-cc.com



The Global Dialogue on Seafood Traceability (GDST) (also referred to as the Dialogue) is an international, business-to-business platform established to advance a unified framework for interoperable seafood traceability practices. The Dialogue brings together a broad spectrum of seafood industry stakeholders from across different parts of the supply chain, as well as relevant civil society experts from diverse regions.

The Dialogue is catalyzing the development of interoperable practices that will:

- Improve the reliability of seafood information
- Reduce the cost of seafood traceability
- Contribute to supply chain risk reduction
- Contribute to securing the long-term social and environmental sustainability of the sector.

traceability-dialogue.org

Get involved

Is your company involved commercially in the seafood supply chain?

Would you like to participate in the Dialogue?

Please fill out our application form or contact us:

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Applying is understood as an expression of interest in active participation, but does not create any commitments. Registered participants will receive invitations to on-line and in-person meetings of Dialogue working groups, and will be kept fully informed of the Dialogue process. Registration does not commit any participating organization or individual to attend meetings or to endorse the final Dialogue results.