



**World Customs  
Organization**

## The WCO Data Model

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Session B1: Data Without Silos: Accelerating Interoperability with the  
WCO Data Model

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## Transforming the Information Age

**Data: A Limitless Resource** - Unlike oil, data is continuously produced and does not run out.

Raw vs. Refined Data: Raw data is like crude oil - **valuable only when refined** standardised and harmonised.

The Role of the WCO Data Model:  
The **WCO Data Model** helps refine data into actionable insights.



## **Standards 7.1 of GA of RKC (Application of Information Technology)**

The Customs shall apply information technology to support Customs operations.

## **Standards 7.2 of GA of RKC**

When introducing computer applications, the Customs shall use relevant internationally accepted standards.

## **WCO Strategic Plan (2025 – 2028). Focus Area 1: Technology and Innovation**

### **CF1. Development and maintenance of Customs standards and policy**

- Promoting the adoption of advanced technologies
- Developing international standards for data governance
- Fostering public-private partnerships

### **CF2. Implementation and capacity development**

- Enhancing digital transformation of Customs administrations
- Building Members' data analysis capacity
- Building capacity in cybersecurity

- **Develops, manages and maintains the WCO Data Model**, including new versions, capabilities and technical specifications
- **Operates the formal DMR process** (submission, review and approval) to ensure coherent, harmonized data requirements
- **Performs product-management functions** such as product planning, data modelling, quality control and publishing
- **Establishes ad-hoc Focus Groups** to design and validate new uses of the WCO DM in support of PTC and other WCO bodies
- **Leverages volunteer product roles** (Architects, Modellers, Product Manager, Capability Owners, QC Testers) to deliver consistent, high-quality data standards and implementation support





- Certification of Origin
- Maritime Passenger Data (API and BRI)
- AEO Profile Data

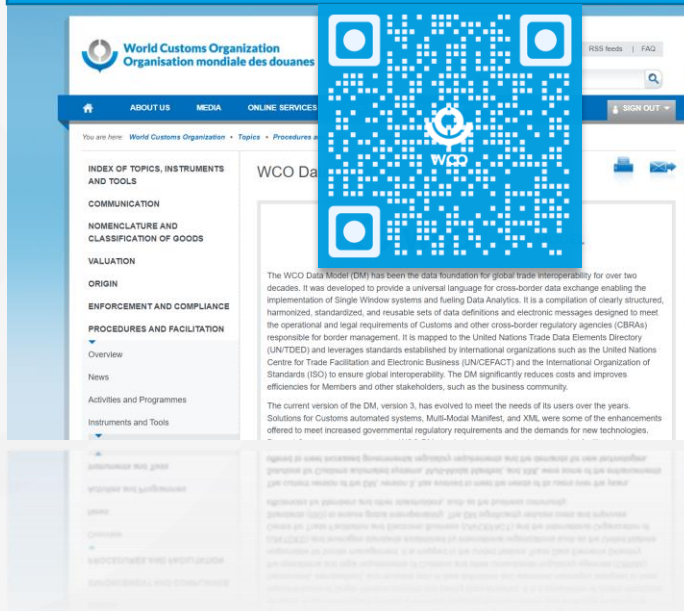
Future:

- Linked Data enables Verifiable Credentials

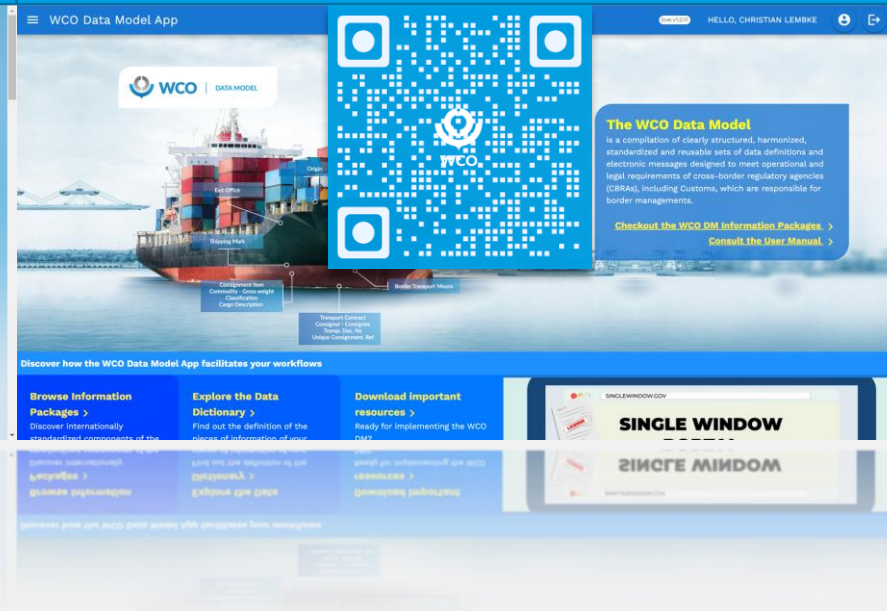
# Where Can You Find WCO Data Model?



wcoomd.org/DataModel



datamodel.wcoomd.org





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**Thank you for your attention**

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