

World Customs Organization

Origin Digitalization and Interconnectivity

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Origin Digitalization and Interconnectivity

Proof of Origin or Origin Certification

Certificate of Origin (CO)

- Paper Certificate of Origin
- Electronic CO (e-CO)
- Data exchange/ transmission of e-CO

Declaration of Origin (DO)

- Approved Exporter
- Registered Exporter
- Full Exporter
- Importer

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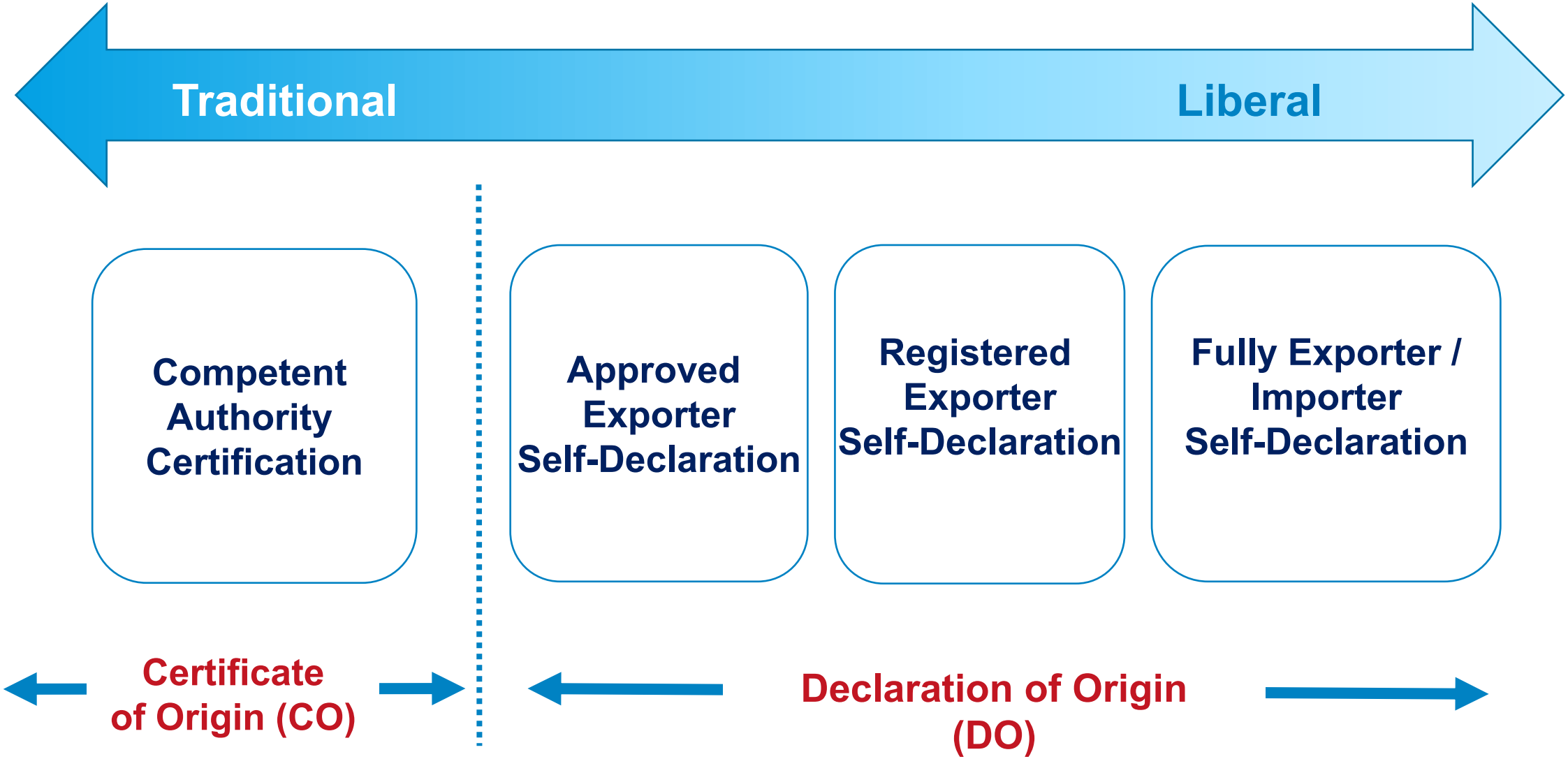

Origin Digitalization and Interconnectivity

Types of Origin Certification		Government Involvement
Certificate of Origin (CO)	Paper-based CO	√
	Electronic CO	√
	Data exchange CO	√
Self-Declaration of Origin	Approved / Certified Exporter	√
	Self-Declaration by Exporter	
	Self-Declaration by Importer	

Origin Digitalization and Interconnectivity

WCO Implementation Plan 2022-2023

Methodology: Survey/Questionnaire

84 Members responded



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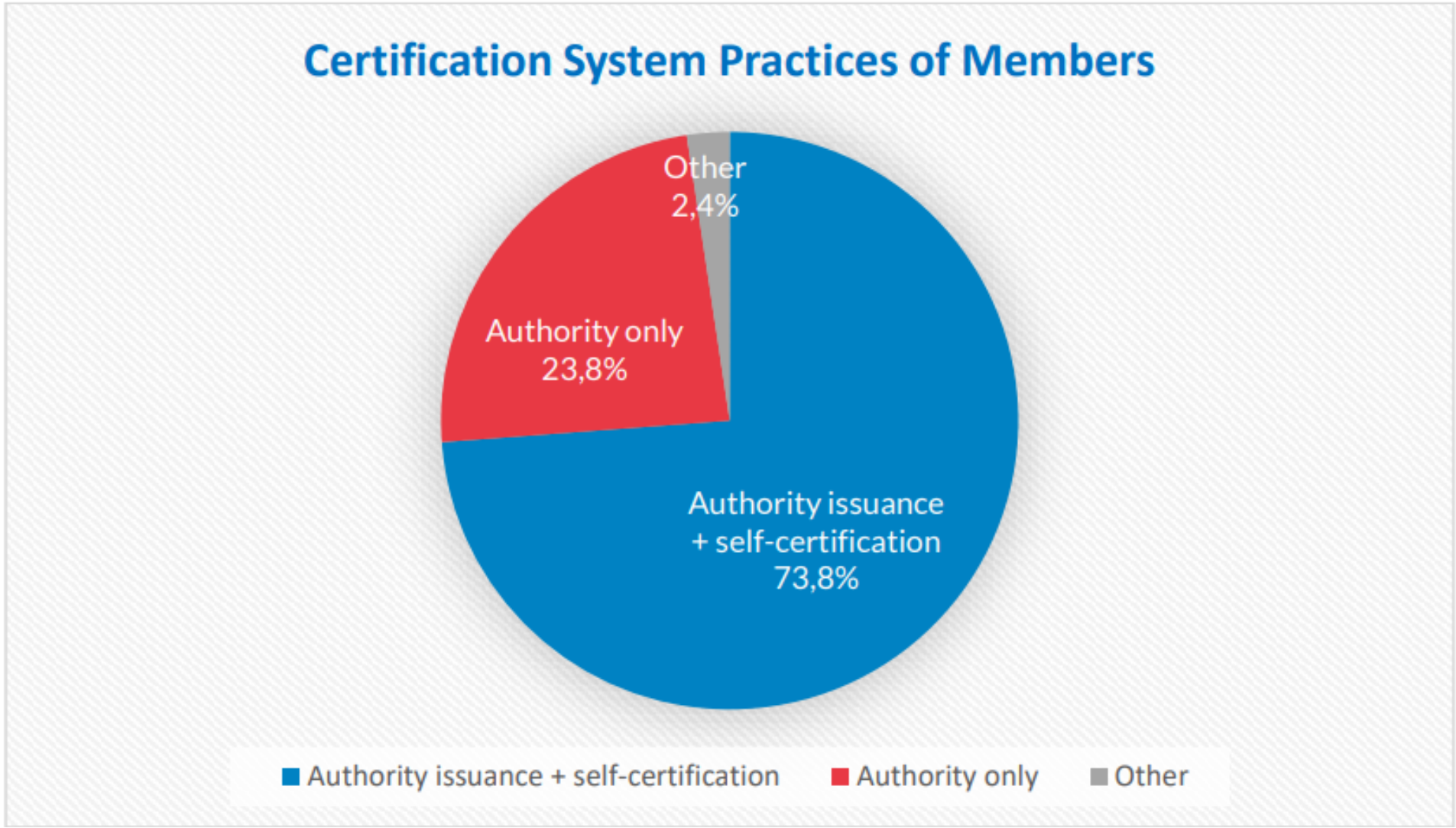

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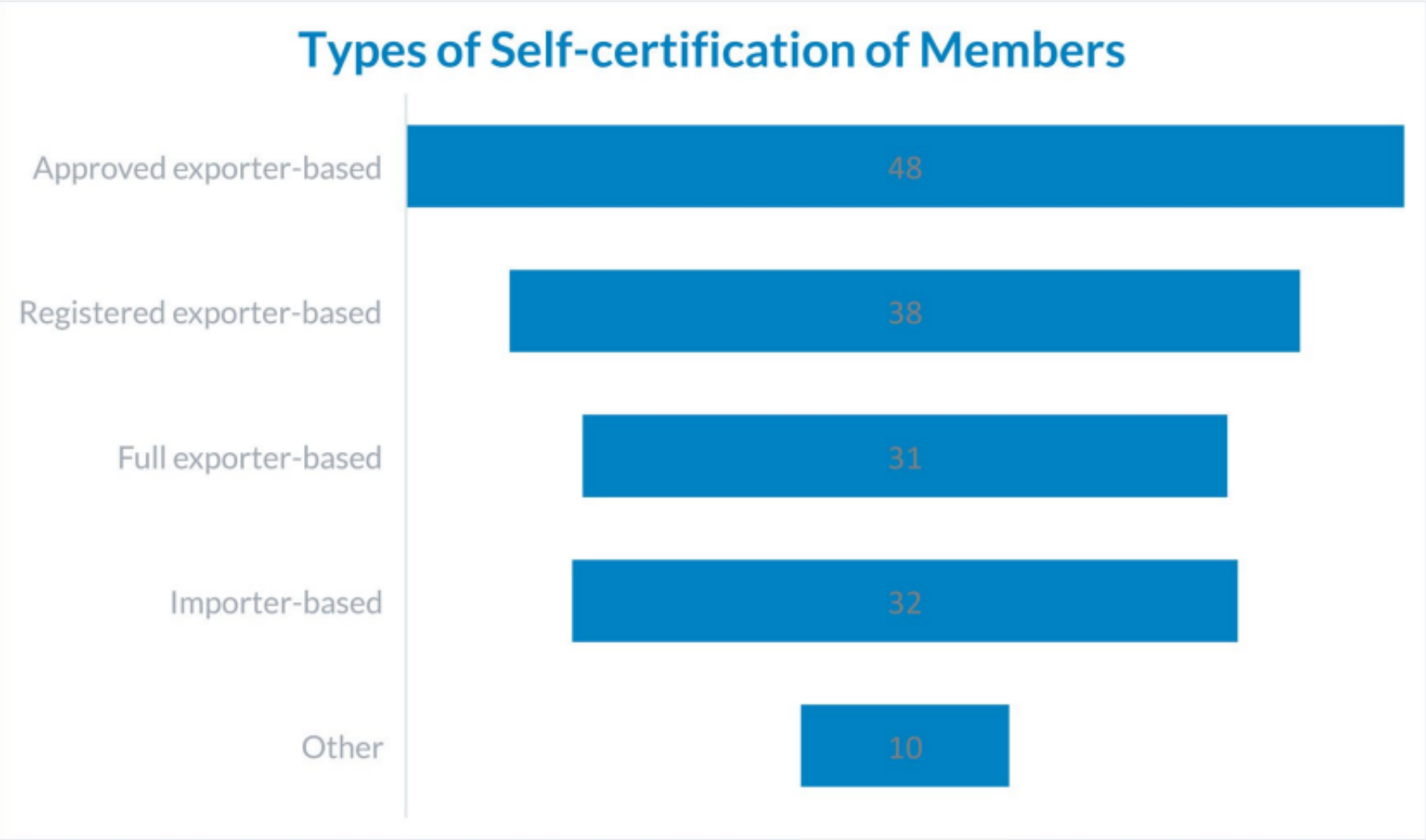

48 Members

38 Members

31 Members

32 Members

10 Members

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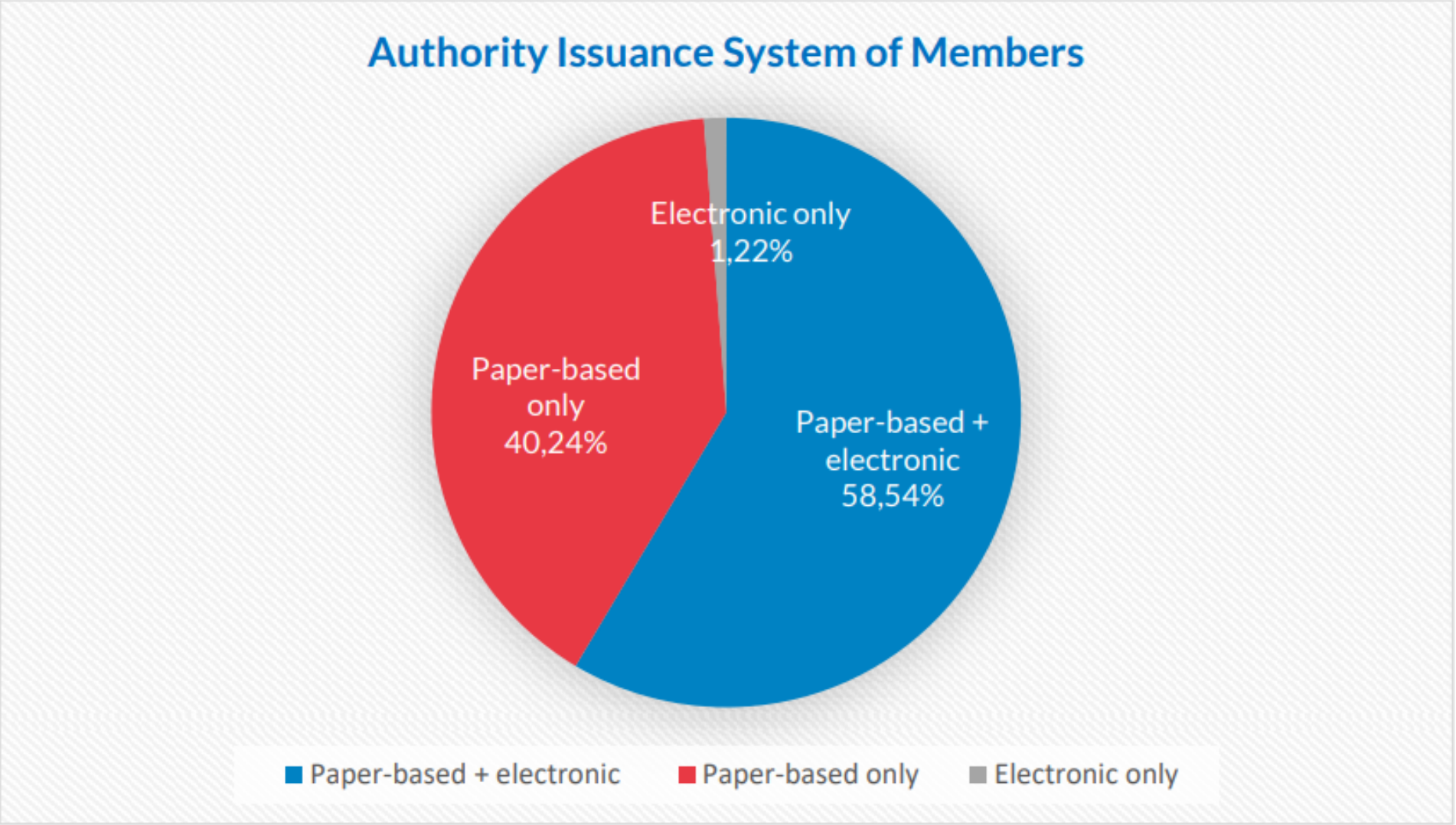

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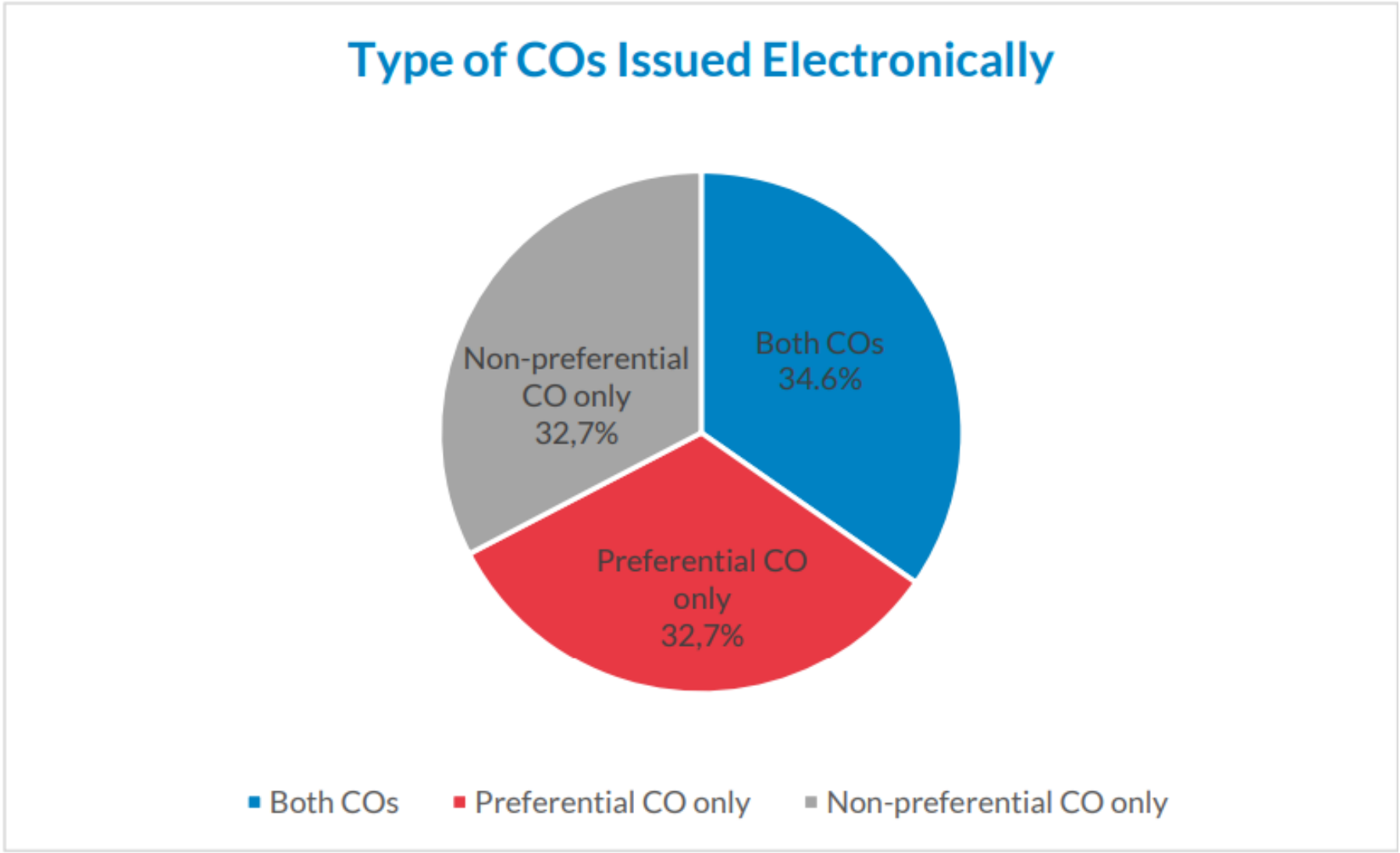

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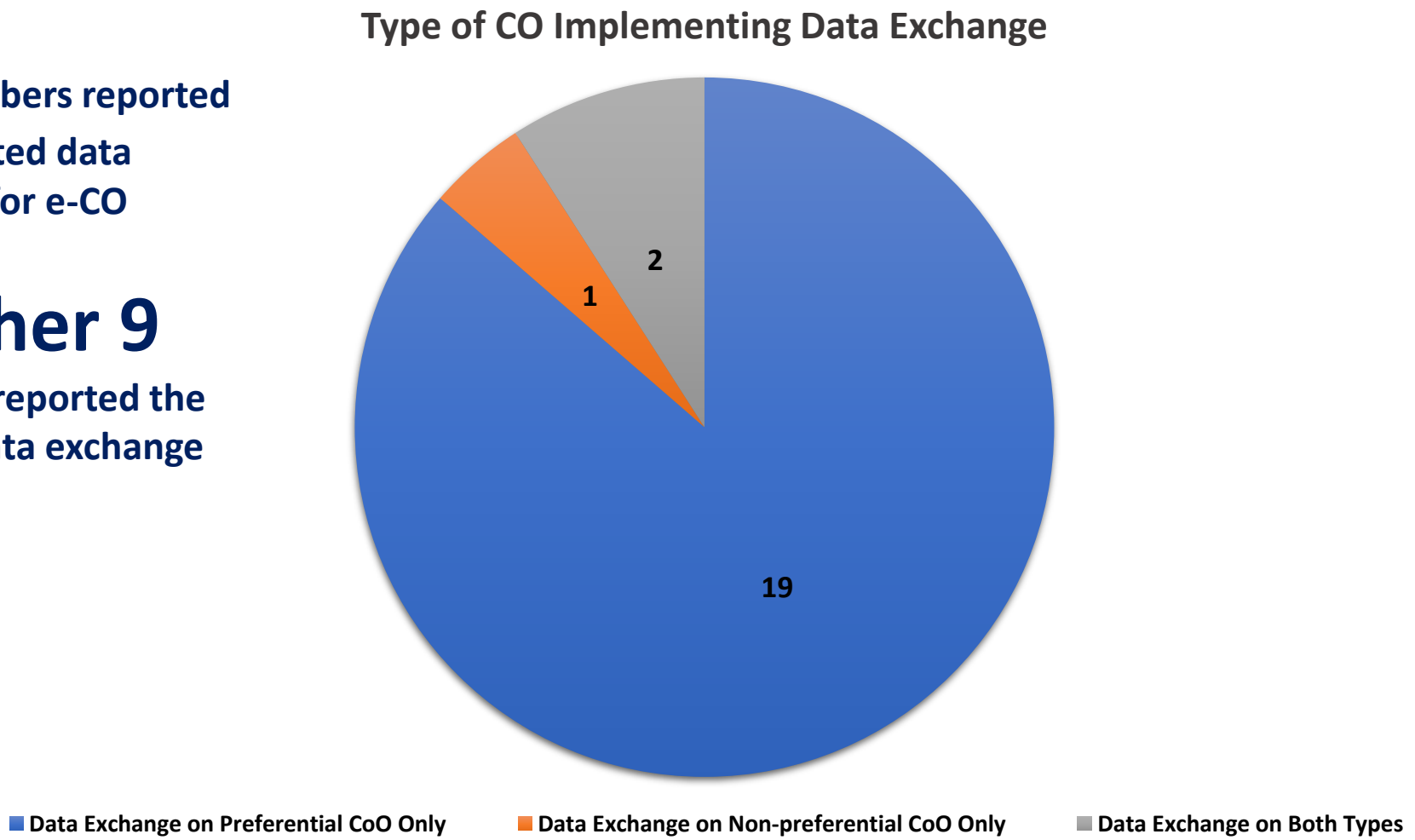
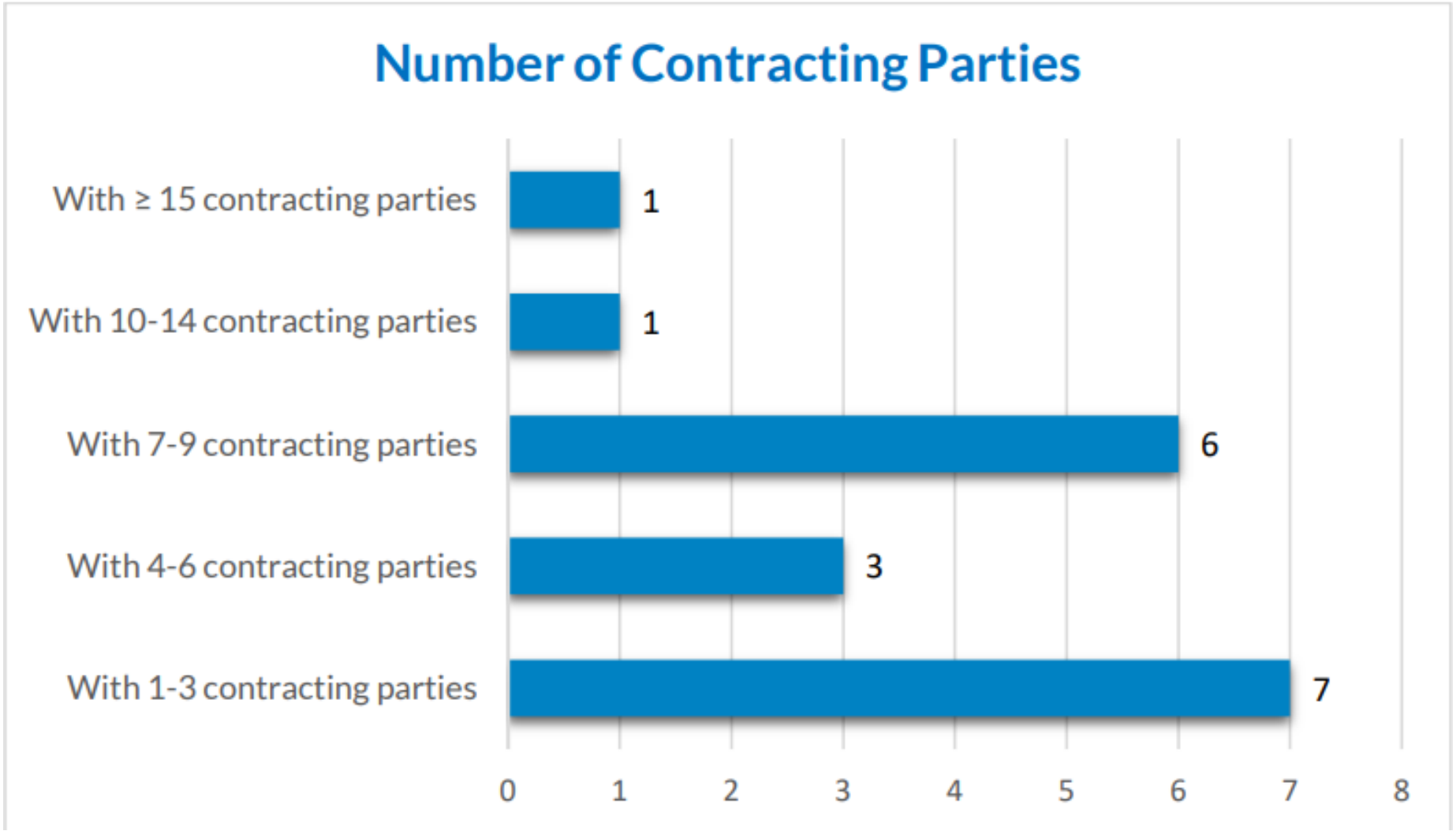
- **22** Members reported implemented data exchange for e-CO

- **Another 9** Members reported the pilot on data exchange




Number of Contracting Parties
With ≥ 15 contracting parties
1
With 10-14 contracting parties
1
With 7-9 contracting parties
6
With 4-6 contracting parties
3
With 1-3 contracting parties
7
0
1
2
3
4
5
6
7
8

Origin Digitalization and Interconnectivity



- **Benefit G2G Cooperation and Digitalization of CO:**
  - Eliminate the use of paper
  - Speed up the process around origin certification
  - Increase data quality, reliability, and accuracy
  - Mitigate certificate fraud
  - Enable advance risk management as the certificate is available before the arrival of shipments
  - Increase transparency and compliance

Origin Digitalization and Interconnectivity

- ✓The first data exchange on certificates of origin took place in 2004, when China implemented preferential origin data exchange with Hong Kong, China and Macau, China.
- ✓In another example, Colombia commenced the digitalization of origin data with Mexico in 2009.
- ✓From 2016 onwards, more and more Members have developed and implemented data exchange on certificates of origin, such as New Zealand, Korea, Association of Southeast Asian Nations (ASEAN) Members, Argentina, Uruguay, Chile and Peru.
- ✓Projects in other Regions: related to the African Continental Free Trade Area (AfCFTA), the Pan-Euro-Mediterranean (PEM) Convention are underway.

Origin Digitalization and Interconnectivity

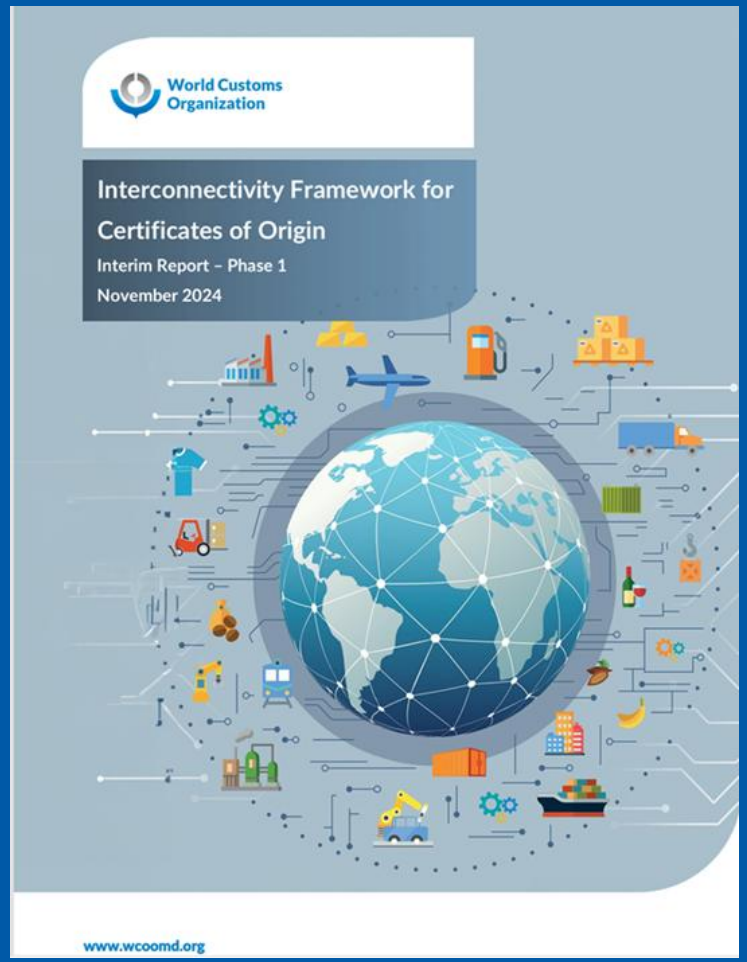
Key Findings

- Majority of the responses (74%) indicates the implementation of both issuance system by competent authority and self-certification system.
- More than half of the responses (58%) indicates the implementation of issuance of electronic certificate of origin.
- The practices on origin data exchange programme is reported to be implemented in different regions.
- Mutual agreement with contracting parties is the key challenge and success factor for the establishment of digitalization on CO, especially on data standard and business process specification.
- WCO Data Model is commonly recognized and utilized as basis for message format for CO data exchange.

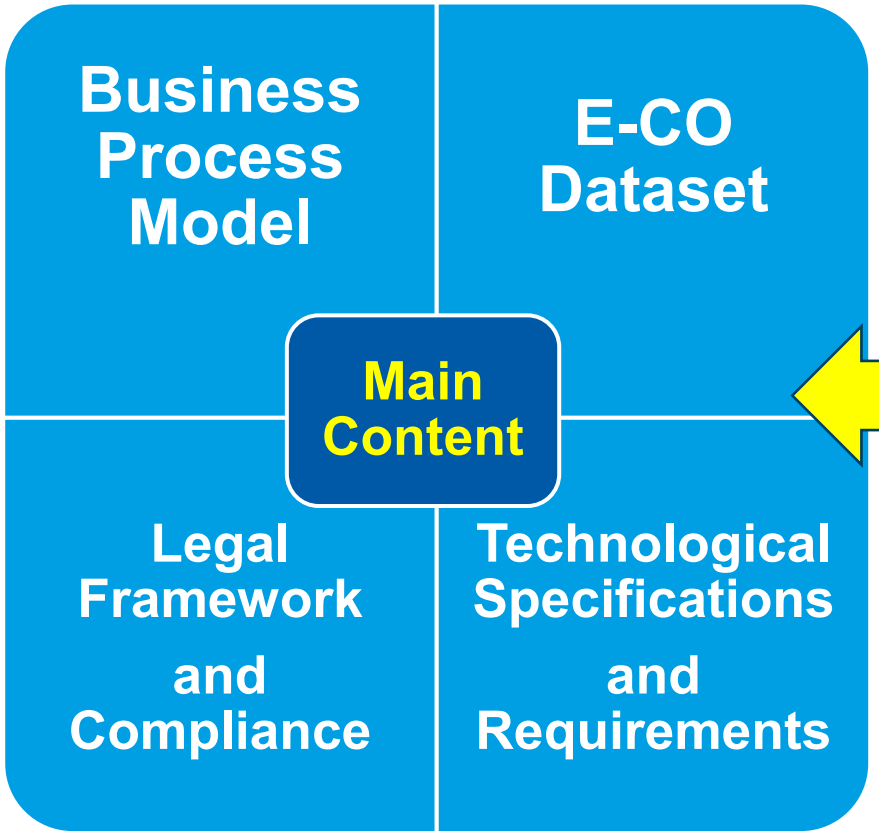
WCO Interconnectivity Framework for Certificates of Origin

The objective was to develop standards for each element

- would provide partners with a standardized approach for enabling the exchange of CO data under FTAs,
- a guide for the development of a technological solution for CO interconnectivity.



Full Report



Main Content

- Annex I: Business Process Description
- Annex II: Data Elements to be Exchanged
- Annex III: Semi-Automated Pull Model for Certificate of Origin
- Annex IV: Push Model for Self-Declaration of Origin
- Annex V: Comparative Information on Technological Specification on CO Interconnectivity

Global Forum on Origin Interconnectivity

Presentations & Report





https://origin2025.wcoevents.org/en/presentations







World Customs Organization

Thank you

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