



Introduction: WCO Data Model

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Brussels, Belgium, June 2017
Knowledge Academy

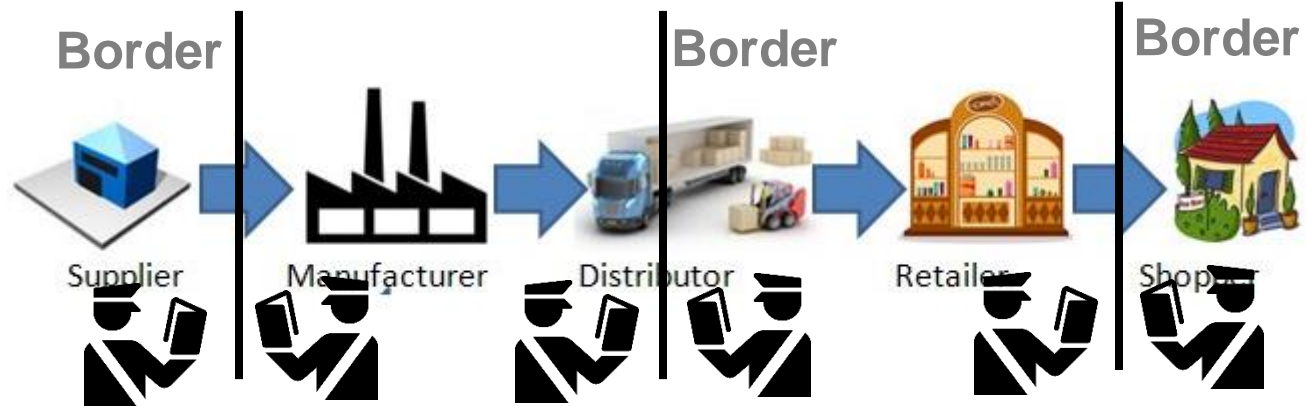
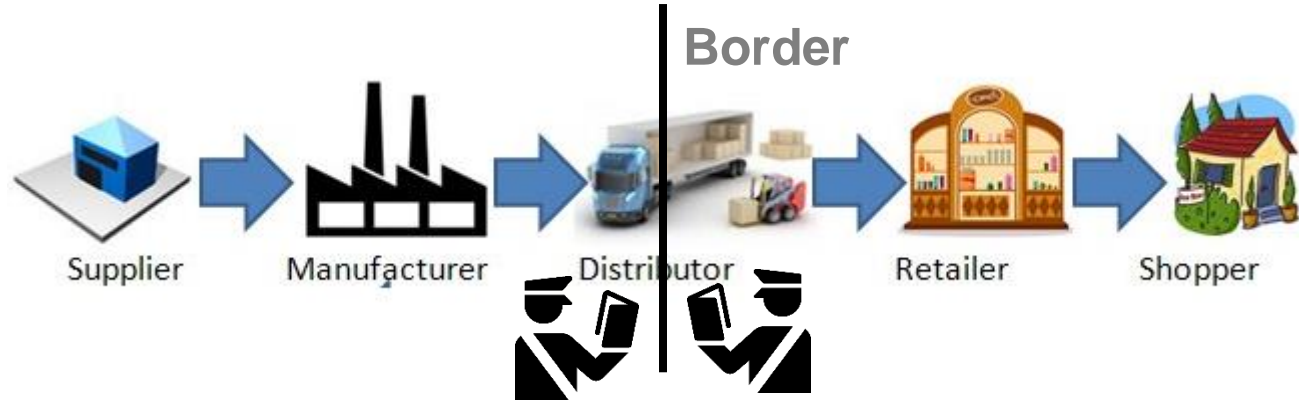


WCO Data Model

- What WCO Data Model is?
 - » Tool for global harmonization of data requirements.
- Why would we need international standards for Customs data requirements?

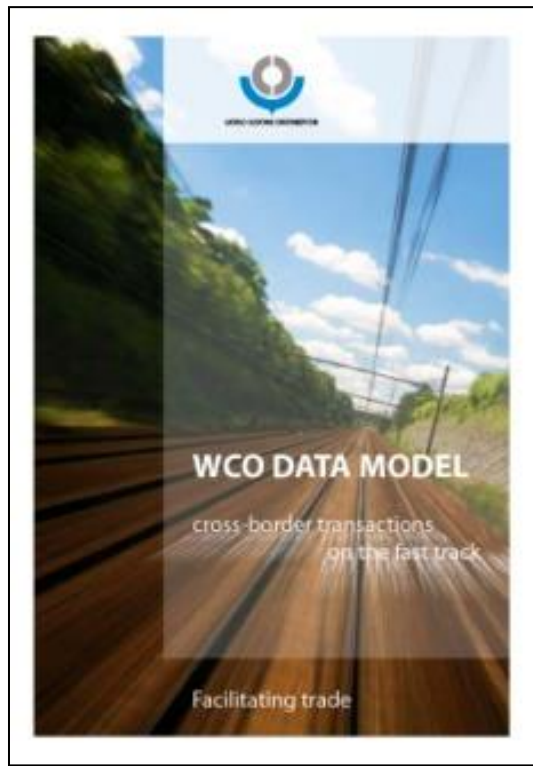


Customs with global perspective: Dealing with global entities





WCO Data Model



- » The WCO Data model is a compilation of clearly structured, harmonized, standardized and reusable sets of data definitions and electronic messages to meet operational and legal requirements of cross-border regulatory agencies, including Customs, which are responsible for border management

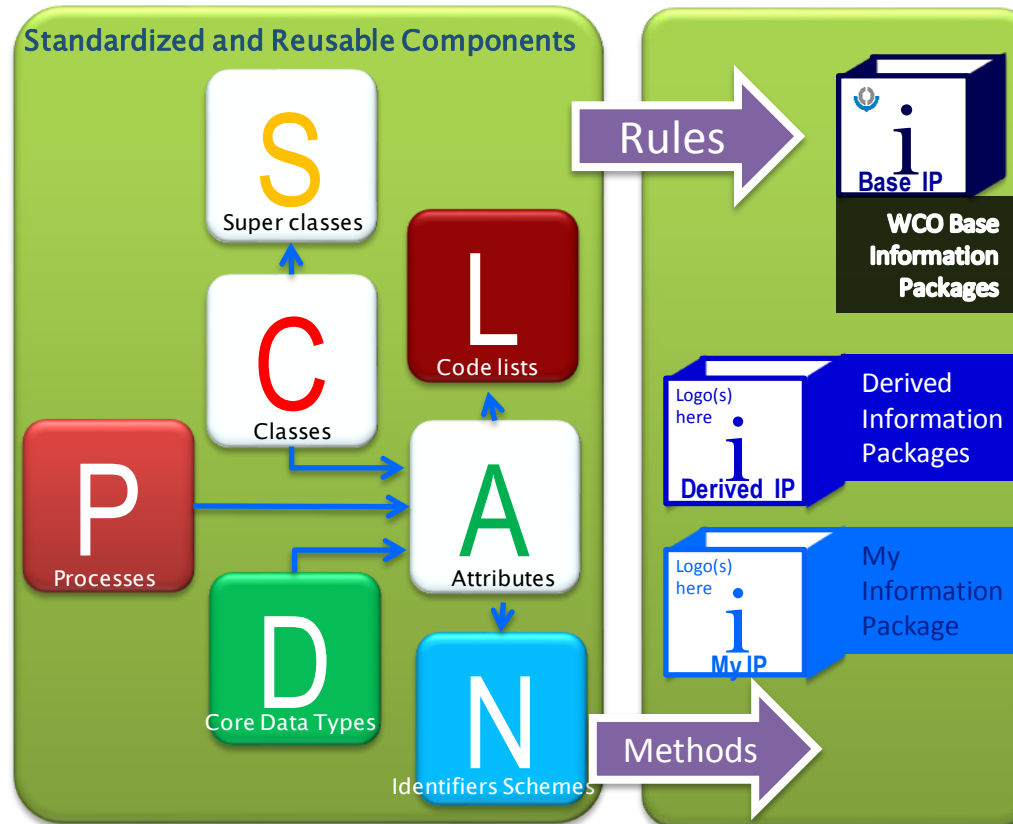


WCO Data Model Building Block

Syntax:	GOVCBR	XML
Structure:	Classes	Information Package
Content:	Maximum Dataset	International Code lists
Context:	Business Process Model	



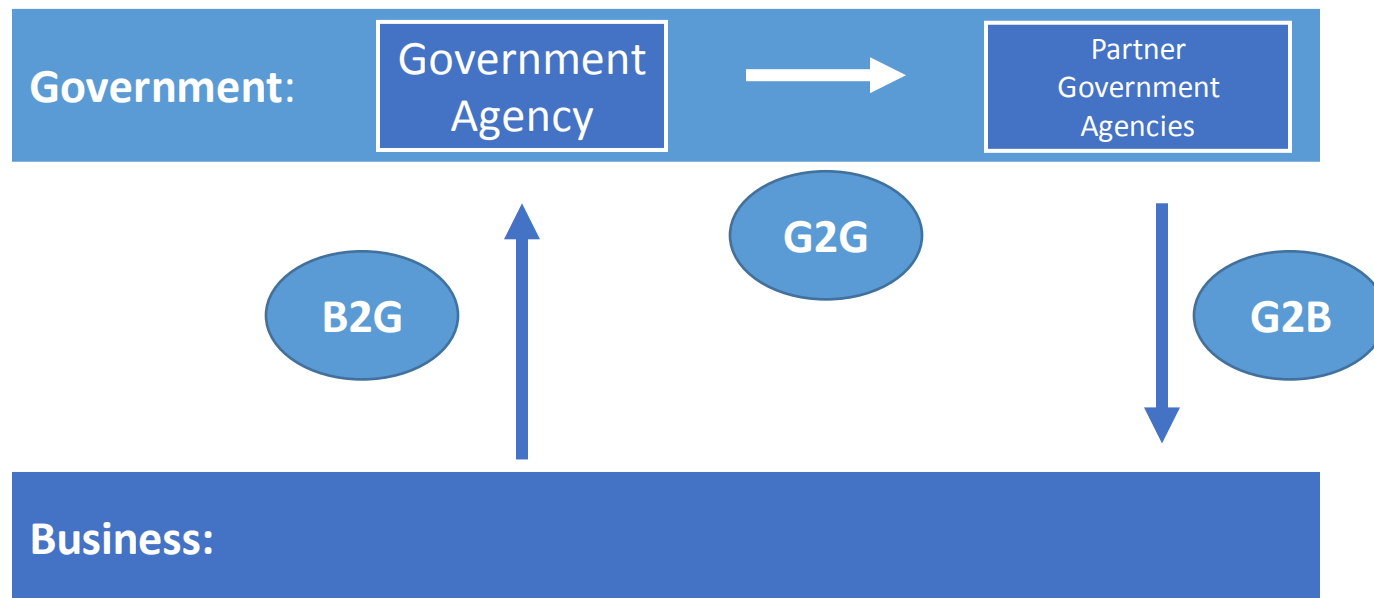
Information Package Concept



- » WCO Data Model: regulatory data requirement library that consist of standardized and reusable components: as it is doesn't serve any specific function
- » Information Package: Logical organization of standardized and reusable component of DM library to serve more specific purpose
- » Derived Information Package: Derived from legislation / convention



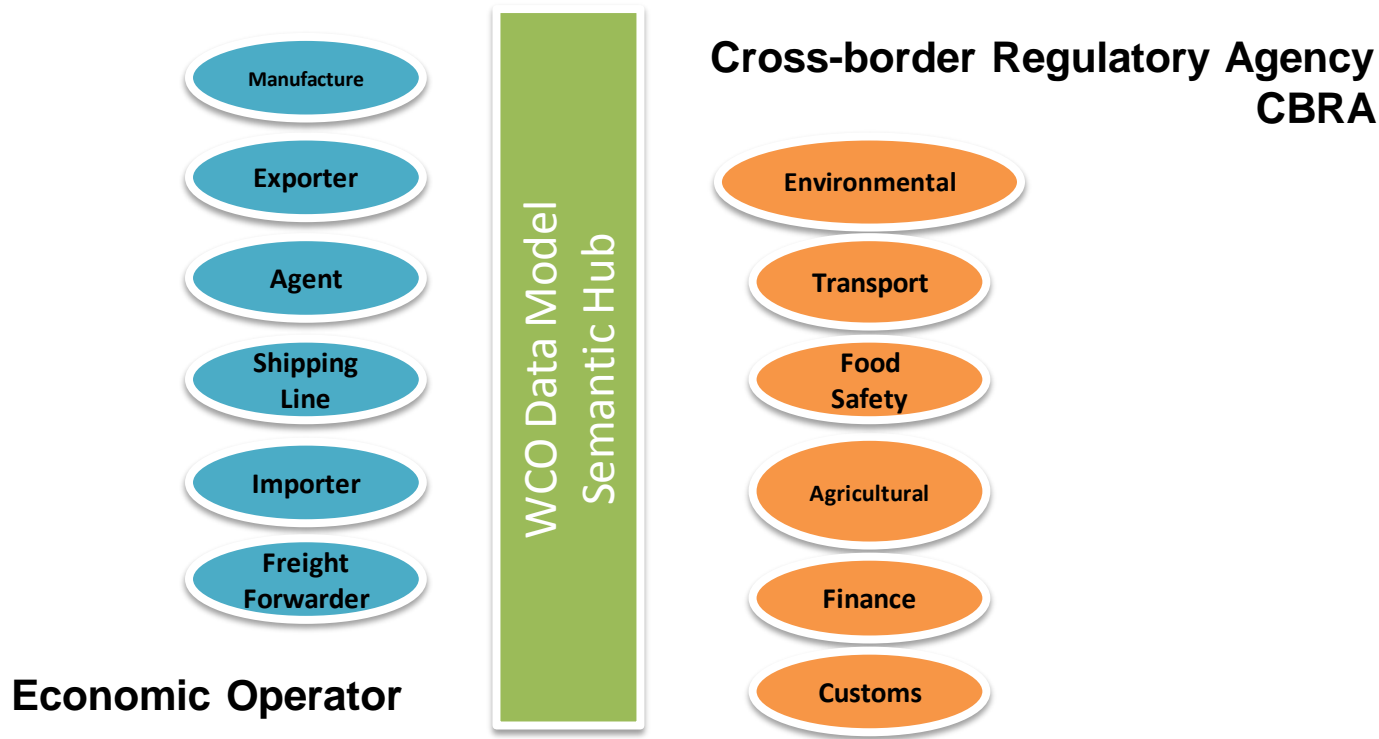
WCO Data Model Coverage: Regulatory Space





WCO DM Enable Digital Collaboration

WCO DM play the role as **semantic hub** that connect Border management stakeholders





WCO DM Enable Digital Collaboration

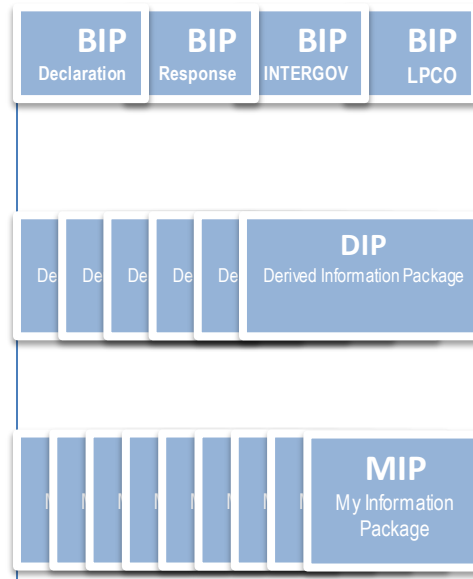
WCO DM play the role as Global **semantic hub**





WCO Data Model Information Package

- » Systematic hierarchical organization and categorization of the usage of WCO Data Model components and the reuse of its structure.
 - Base Information Package
 - Derived Information Package
 - My Information Package
- » At Regional and National level it provide information the relation and mapping between Regional / National specific specification of national information model to WCO Data Model.





WCO DM Enable Digital Collaboration

WCO DM play the role as Global **semantic hub** :
status of the global adoption of the WCO Data Model

Year	S		P			M			IP			NA		Total
2014	62	34.6	41	22.9	42	11	6.2	14	0	0	2	65	36.3	179
2015	71	39.7	42	23.5	43	11	6.1	14	0	0	2	55	30.7	179
2016	72	40.0	49	27.2	51	12	6.7	15	0	0	2	47	26.1	180
2017	71	39.0	50	27.4	54	15	8.2	18	0	0	3	46	25.2	182



Actively maintained

- By the WCO Data Model Projects Team
 - » Meets regularly 3-4 times a year, Next meeting will be in January 2017
 - » Processed Data Maintenance Requests (DMR)
 - » Further develop WCO DM based on regulatory requirements
 - » DMPT is an Open meeting for WCO Member Administrations, IOs, IGOs, as well as private sector

WCO Governing Bodies

Permanent Technical Committee (**PTC**)

Information Management Sub Committee (**IMSC**)

Data Model Projects Team (DMPT)



WCO Data Model:

○ Top Benefits

- » Reduces costs to trade by simplifying data requirements
- » Improves reporting and compliance by improving the quality of data.
 - Meets requirements of several international conventions.
 - Is aligned with widely used international standards
- » Enables Single Window implementation
 - Can be used as the basis for Data Harmonization
 - Includes data requirements from Customs, food, agriculture, veterinarian environment & marine safety Agency
 - Provides an electronic messaging solution for Single Window



• Thank you

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