



Logius
*Ministerie van Binnenlandse Zaken en
Koninkrijksrelaties*



Data Model (WCO)

How can standards improve
the connection of business
and government?

Cor Franke
National Platform Data Model

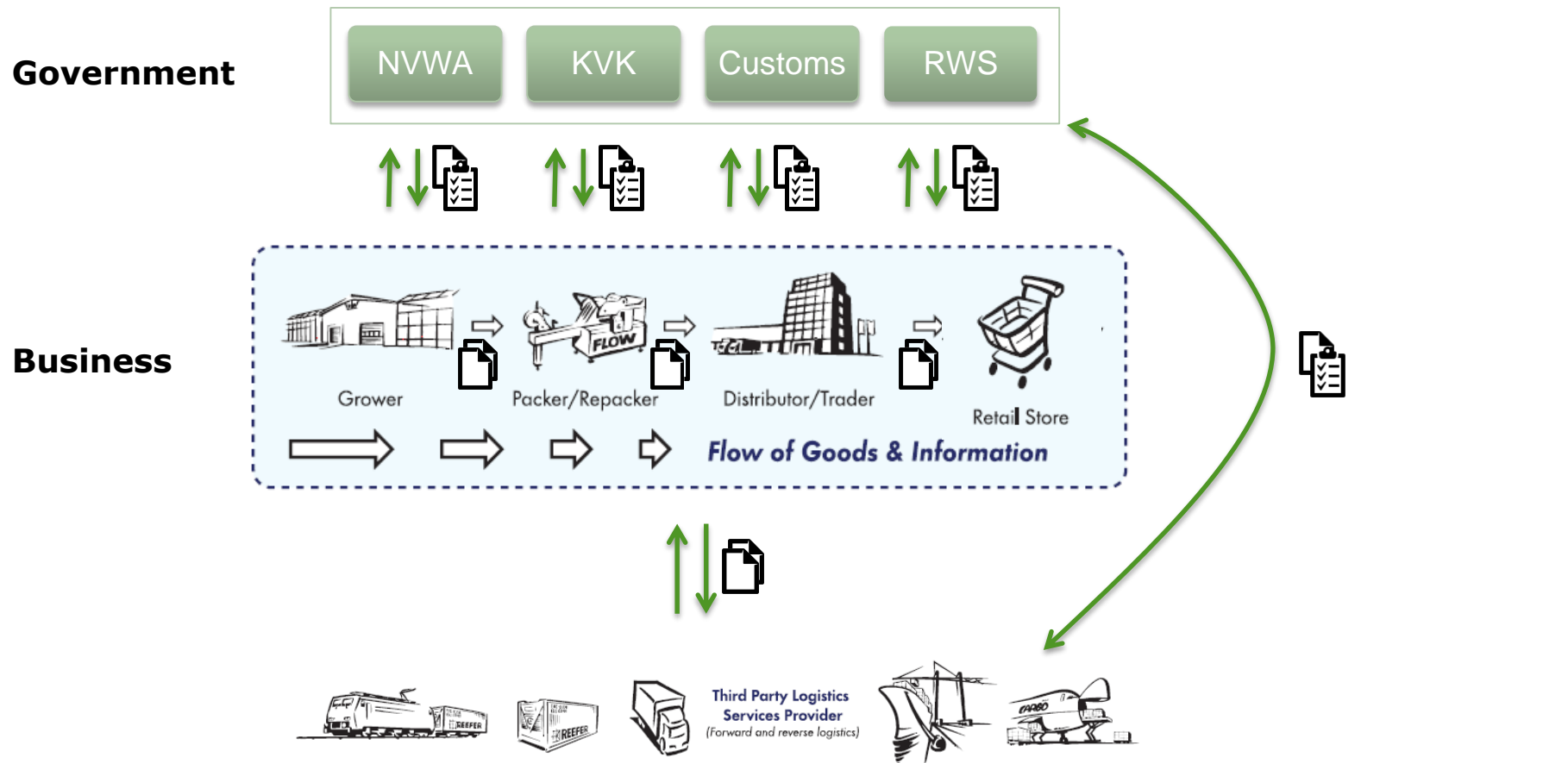


Agenda

- Business and government: information exchange
- (WCO) Data Model
- Current situation
- Data Harmonisation
- Single Windows
- Service: NPDM (Logius)



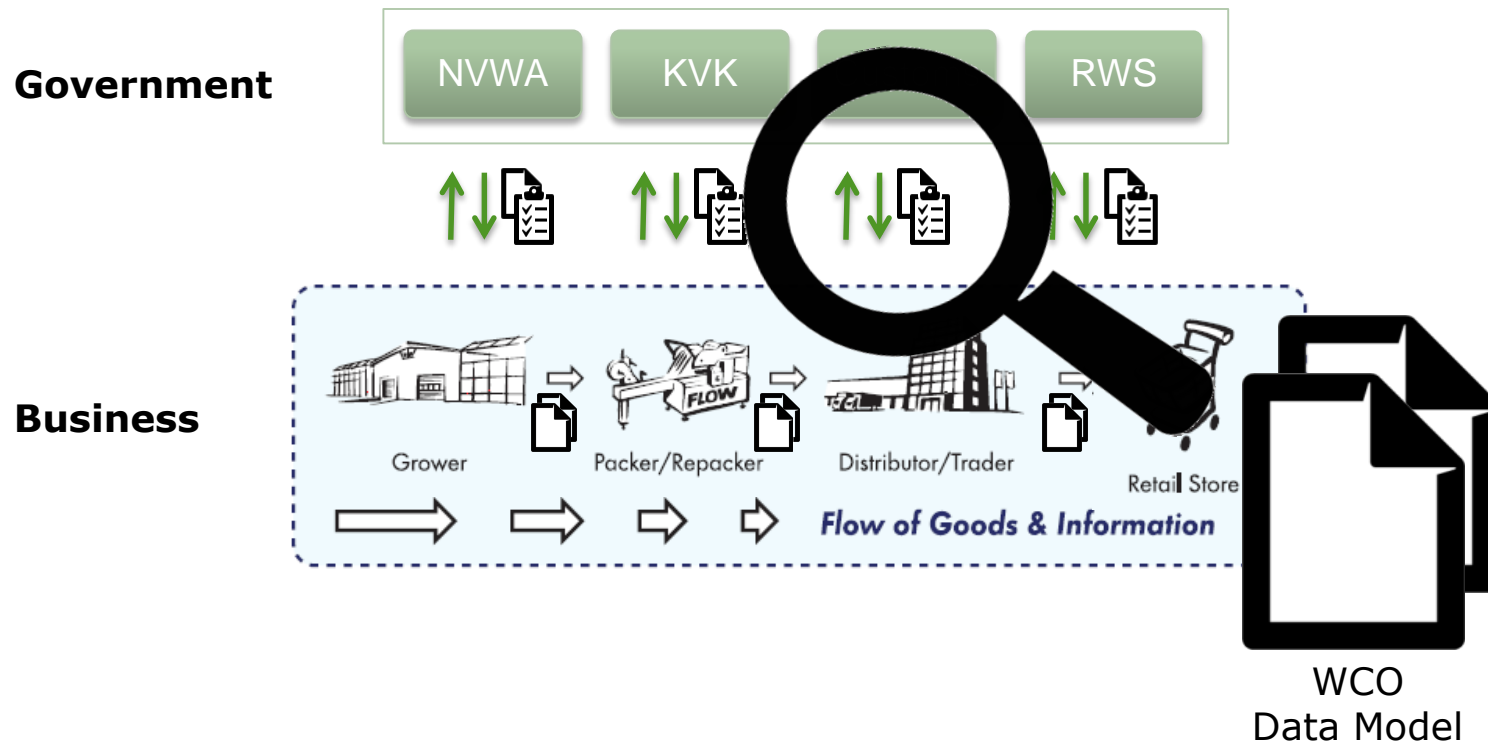
Business and government: information exchange



Business flow image: frugicom.nl



Business and government: information exchange



Business flow image: frugicom.nl



(WCO) Data Model

The Data Model

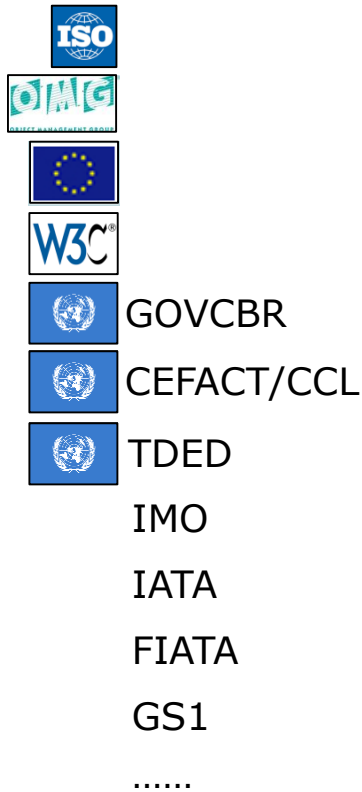
...provides a **MAXIMUM** framework of **STANDARDIZED AND HARMONIZED** sets of data and standard **ELECTRONIC MESSAGES (EDIFACT AND XML)** to be submitted by trade for **CROSS-BORDER REGULATORY AGENCIES** such as Customs to accomplish formalities for the arrival, departure , transit and release of **GOODS, MEANS OF TRANSPORT** and **PERSONS** in international cross border trade

Obligatory use of the Data Model for the Dutch Government!

Comply or Explain



(WCO) Data Model in practice



Used in e.g.:

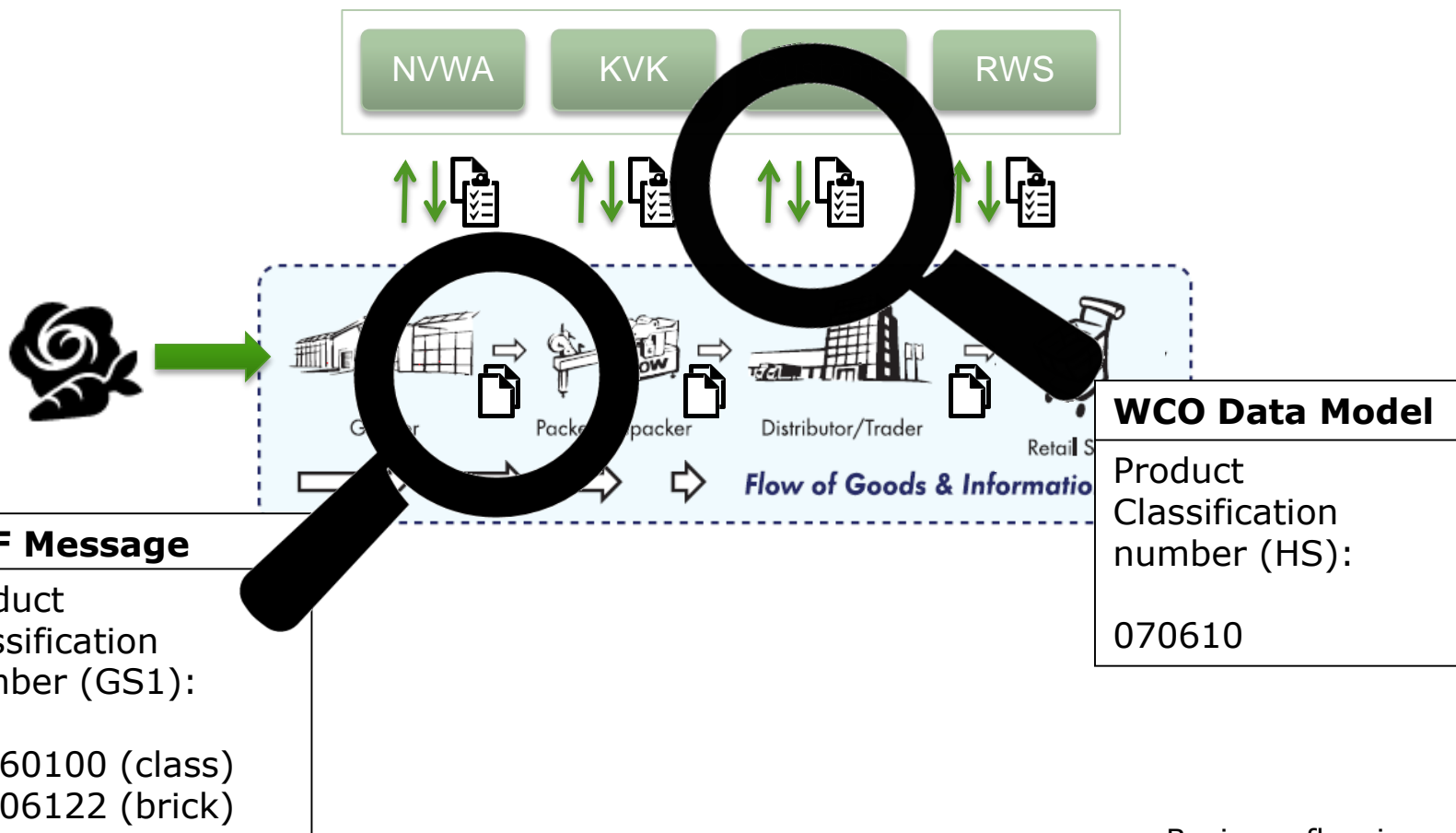
- **ASEAN Single Window**
- **MERCOSUR DUAM Project**
Cooperation in South America
- **SACU Regional IT Connectivity**
South African Customs Union
- **SADC**
Expansion of regional connectivity
- **ECOWAS**
Cooperation in West Africa
- **The EU**
Proces of Data Harmonisation

Used for e.g.:

- WCO – Revised Kyoto Conventie
- IMO – FAL Convention
- UNEP - CITES Convention
- UNEP – Bazel Convention
- UN/ECE – TIR Convention
- SAFE Framework of Standards
- Globally Networked Customs (InterGov)
- Dutch Customs (Sagitta, AGS, etc.)
- Single Window (Maritime/Air)



Current situation

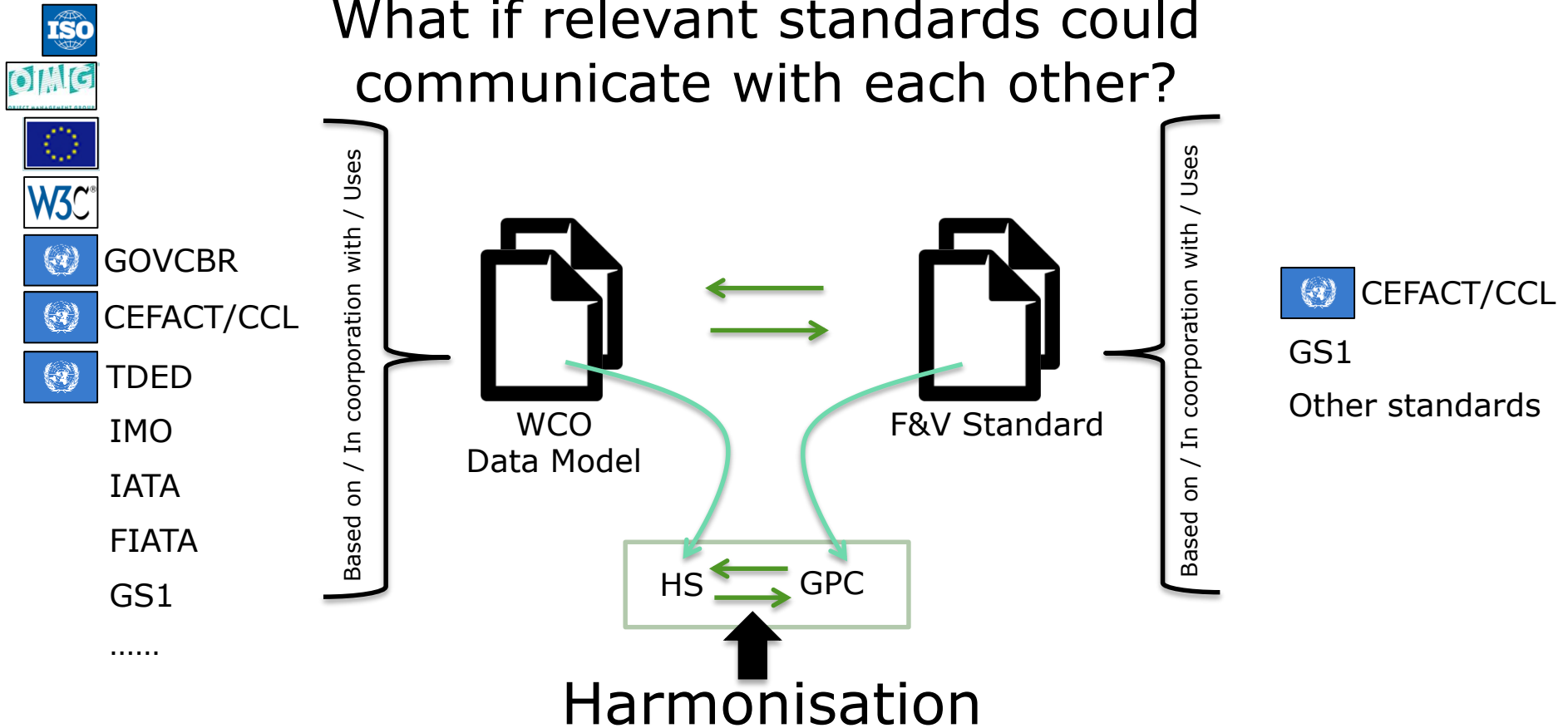


Business flow image: frugicom.nl



Current situation

What if relevant standards could communicate with each other?





Data Harmonisation

Reason: “The use of non-standard, country-specific, and/or agency-specific data is **highly inefficient** in terms of cost and accuracy for both **government and trade.**” (UN ECE CEFACT)

Principles:

- Not inventing one international standard
- Eliminating the differences between standards
- Based on existing international standards

Condition: Adjustments and effort are required

WCO Data Model: a broad comprehensive basis for harmonisation



Data Harmonisation

Short term:

- Adaptation of systems

Incurs costs for Government and Business sector!

Long term:

- Better match of message specifications
- Single Window environment

Advantages:

- Process speed up, reduce cost, timely & accurate information;
- Better end-to-end supply chain security;
- Gain in transparency, productivity and competitiveness (UN)



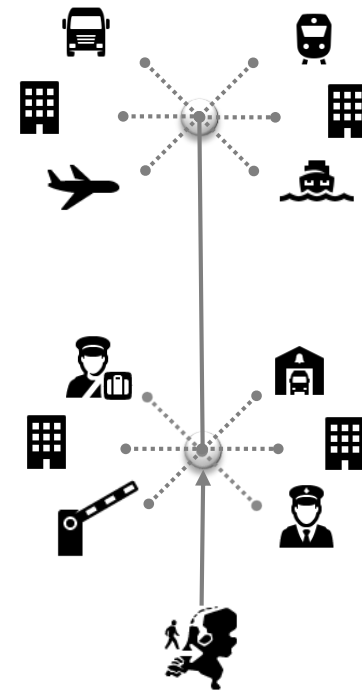
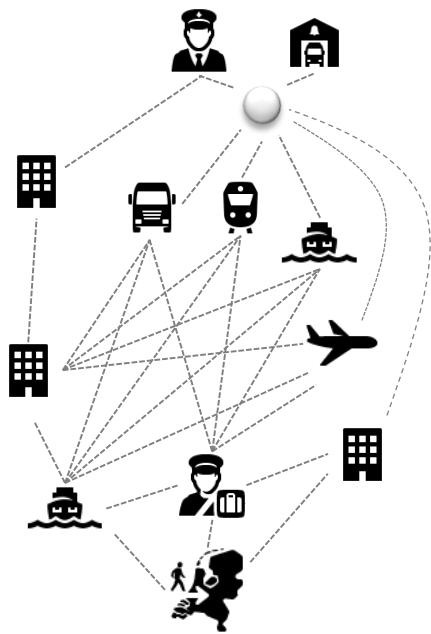
Single Window

UN Recommendation 34:

Recommending to **Governments and traders** the establishment of a “Single Window”, whereby **trade-related** information and/or documents need only be **submitted once** at a single entry point to fulfill all **import, export, and transit-related** regulatory requirements.



Single Window overview





Single Window developments

- Maritime Single Window (Published)
- Air Single Window (IATA conforms to DM)
- Rail..
- Road..
- Inland shipping..

Information exchange with Single Windows will be based on the (WCO) Data Model in NL



National Platform Data Model (Logius)

- Communication and Coordination – About Data Model
- Promote - Use of the Data Model
- Inform - Users about (future) developments of the Data Model
- Advice - Use and implementation of the Data Model
- Maintain - NL Data Model components (e.g. NL MIG Base Set)
- Publish - Dutch MIG's
- Review - Data Maintenance Requests (DMR)

- Helpdesk
- Implementation support - with Customs (production of MIG's)

More information: www.npdm.nl (dutch)



Thank you for your attention

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Further questions or registration for membership of the NPDM:
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