

USE OF INFORMATION AND COMMUNICATION TECHNOLOGY AND NON-INTRUSIVE INSPECTION



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Australian Customs and Border Protection Service*

SESSION OBJECTIVES

1. *Introduce the WCO Data Model, the Single E-Window and other data technologies available today*
2. *Identify the main elements of a strategy for automating border management*
3. *Questions and Answers*

Strategy for building a single window environment

OVERVIEW

1. The WCO Data Model
2. The Unique Consignment Reference (UCR)
 - Advance Electronic Cargo Information

Case Studies:

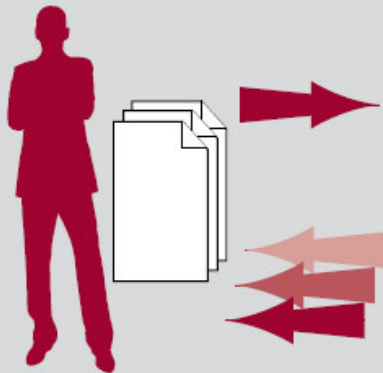
The Integrated Cargo System (ICS) Australian Customs and Border Protection Service

Online Customs Declarations – Russian Federation

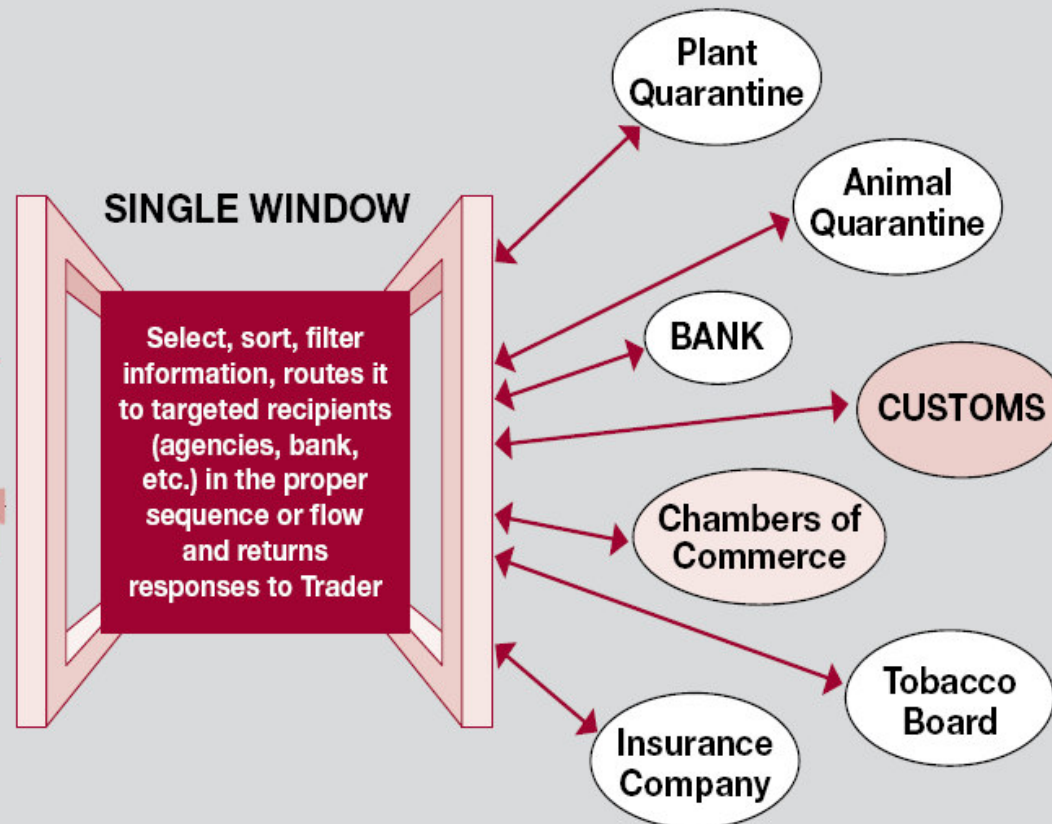
3. Policy and legislation to support E-commerce and advance information
4. Single e-window
5. Creating a strategy for automation of border management

RECAP – WHAT IS SINGLE WINDOW?

Trader or Agent submits all information required for shipment once to the Single Window service provider



Responses from the various authorities and financial institutions are returned to the Trader or Agent. An all-positive final response denotes cargo clearance

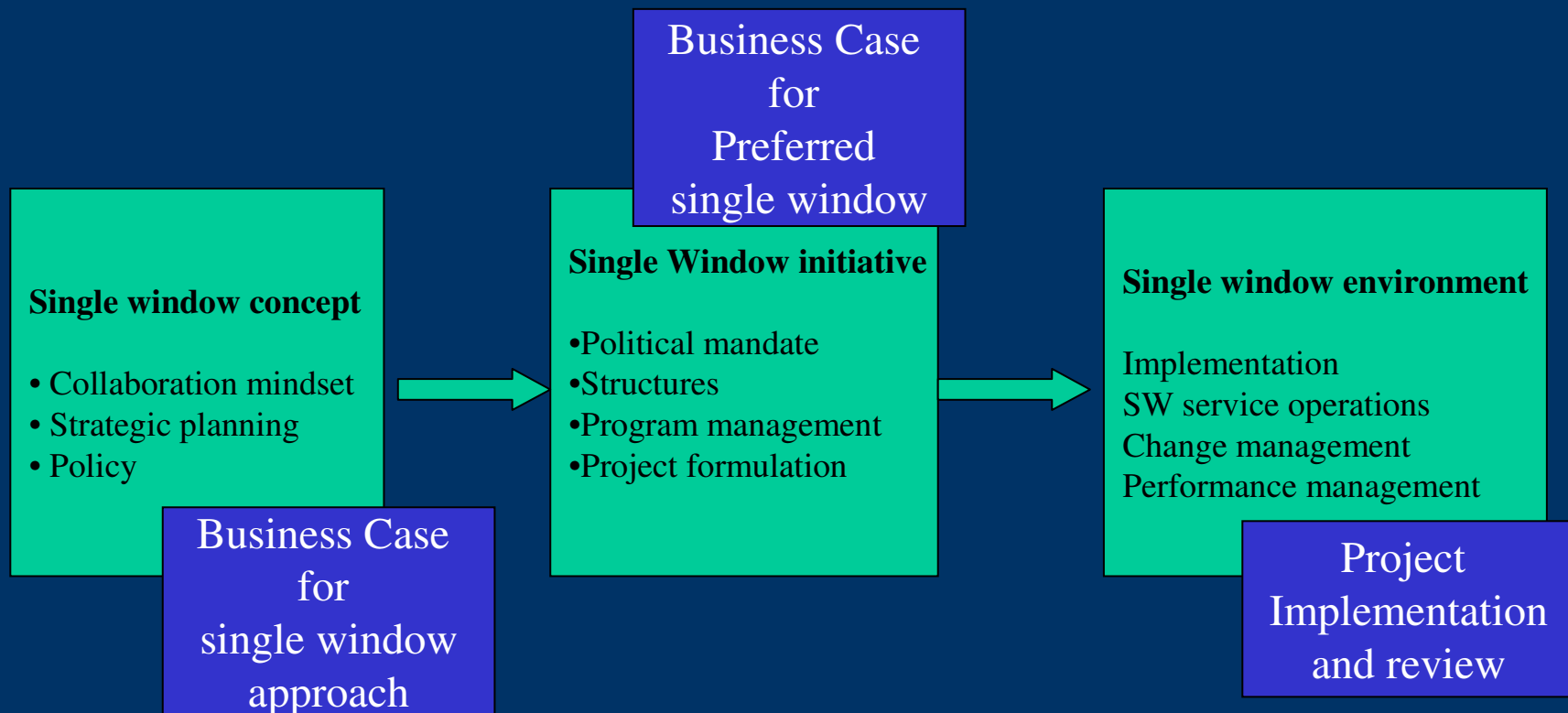


Source: UNECE, 2011

BACKGROUND

- HISTORICALLY – MANUAL SYSTEMS
- SINCE 1980S - AUTOMATED SYSTEMS – 30 YEARS OF DEVELOPMENT
- LAST FEW YEARS HAVE SEEN RAPID AND SIGNIFICANT IMPROVEMENTS IN INFORMATION TECHNOLOGY
- NEW CONCEPTS DEVELOPED TO FACILITATE TRADE SUCH AS “SINGLE WINDOW”
- A “philosophy of governance”
- Transparency of service delivery
- Seen through the eyes of the Trader
- A vehicle for shared services for users

Strategy for building a single window environment



Strategy for building a single window environment

COMMON MODELS FOR SINGLE WINDOW

1. Single Authority Model
 - Entity that coordinates between all relevant agencies
2. Single Automated System
 - Processes information or co-ordinates with a group of systems that process the data that has been sent or received
3. Automated Information Transaction System
 - Transaction hub integrated to all authorities with seamless processing

Strategy for building a single window environment

Features of the “Environment”

- “Intelligent” system not merely a data switch or a gateway to a set of facilities nor is it just a unified access point through a web portal.
- It is also a vehicle for providing shared services to the users
- “One time” submission of data – cannot be achieved without standardizing information and documentation



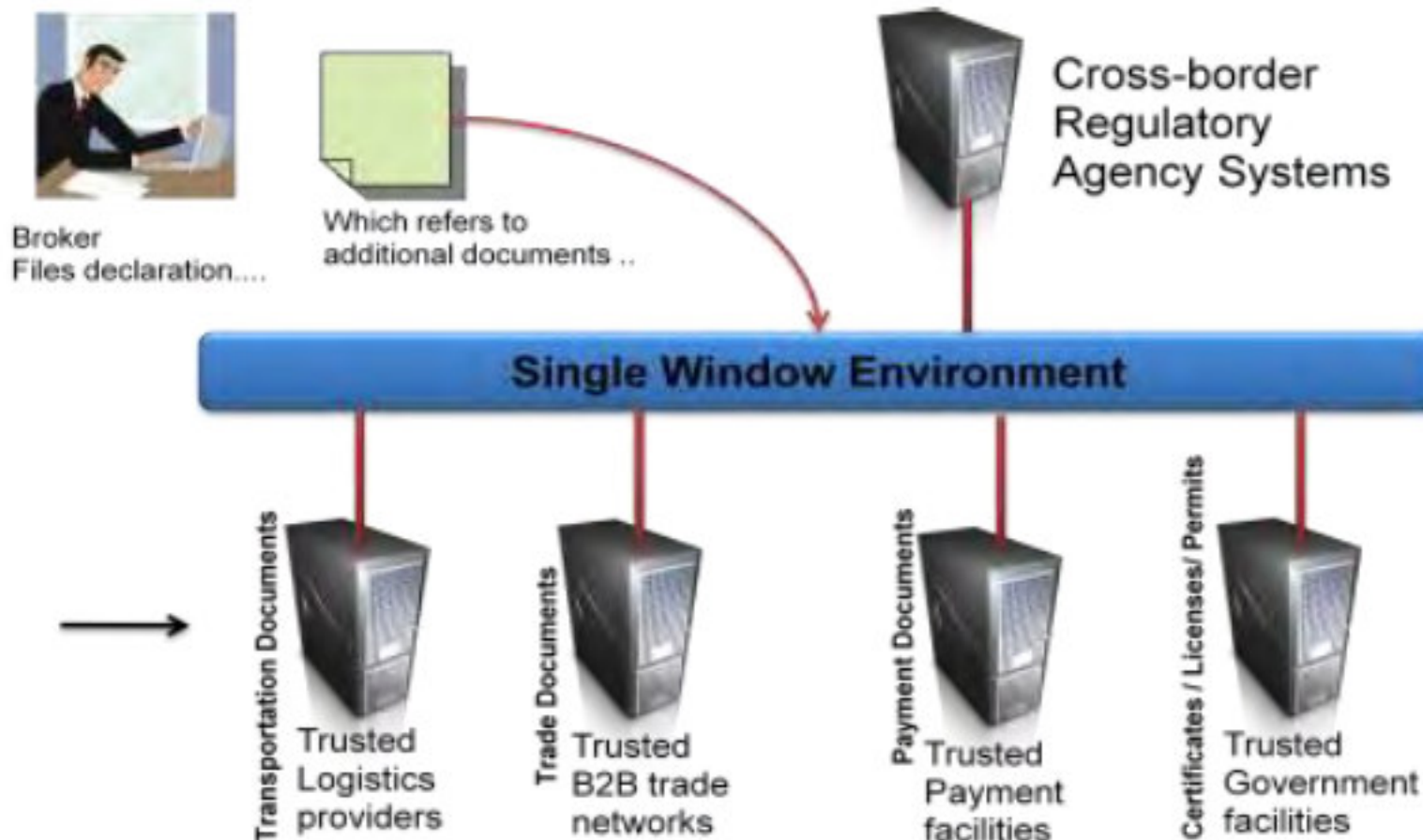
REQUIREMENTS FOR *building* SINGLE WINDOW

- Minimized legal data requirements
- Data sets harmonized
- Use of ICT to maximize data flows
- Use of WCO Customs data model



Strategy for building a single window environment

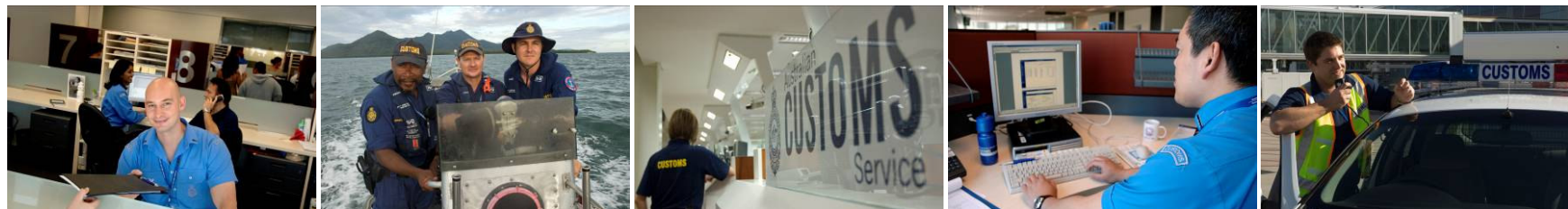
WCO 2011 – Single Window as a Network of co-operating facilities



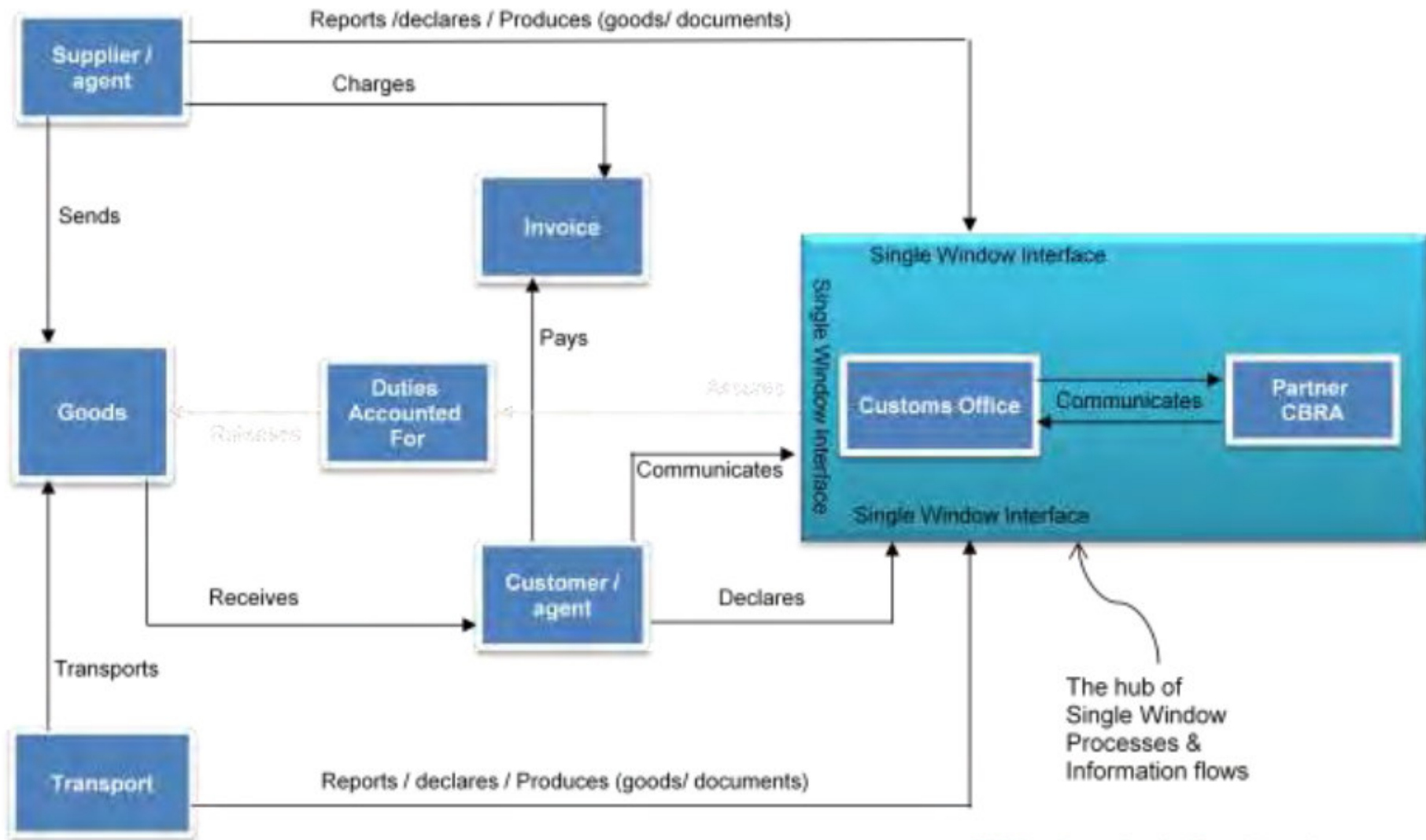
REQUIREMENTS FOR *building* SINGLE WINDOW

SELF ASSESSMENT QUESTIONNAIRE

Complete the survey for your
Customs administration



WCO DATA MODEL SIMPLE BUSINESS PROCESS DIAGRAM



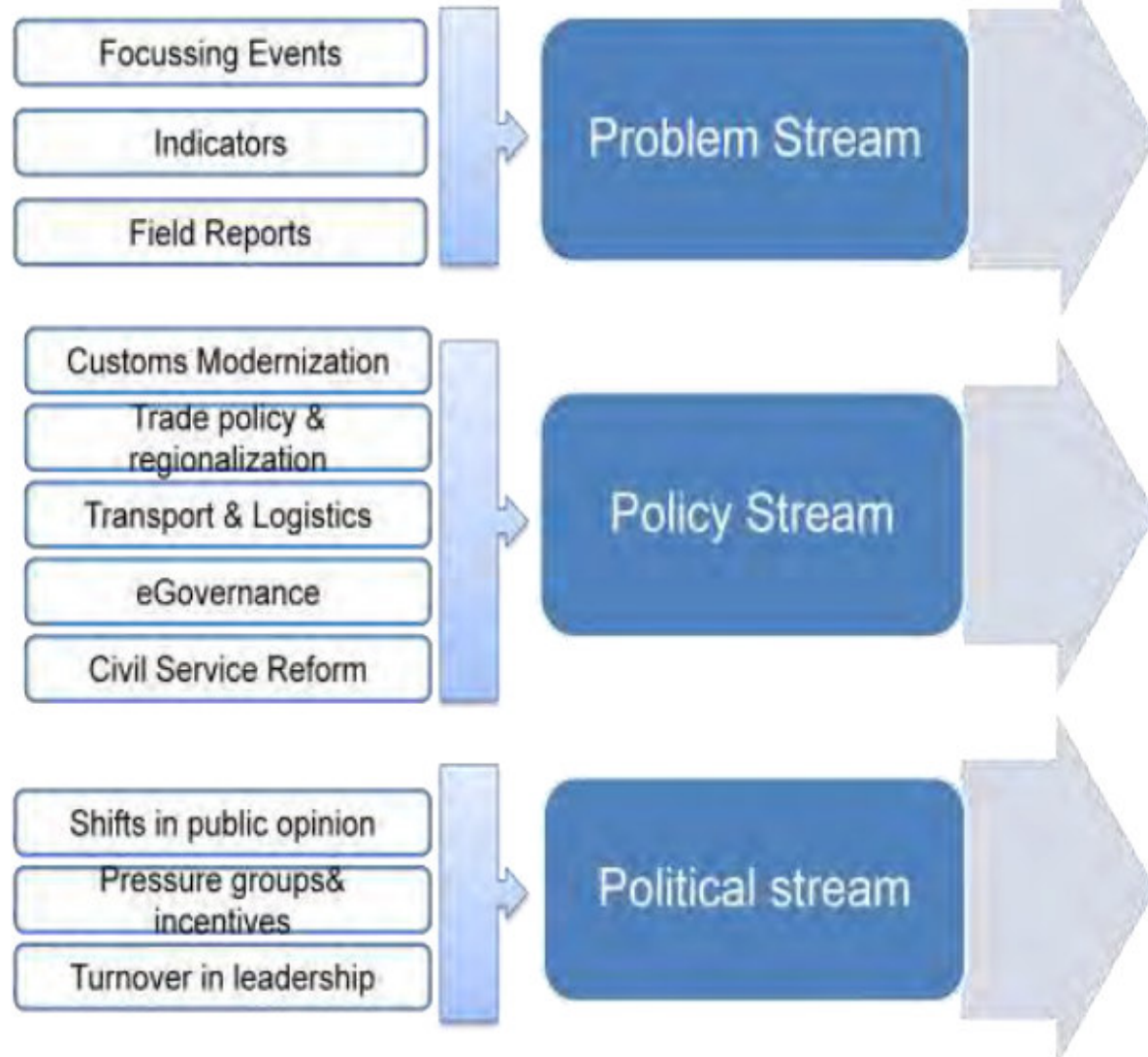
CBRA = Cross-Border Regulatory Agency

ADVANTAGES OF SINGLE WINDOW

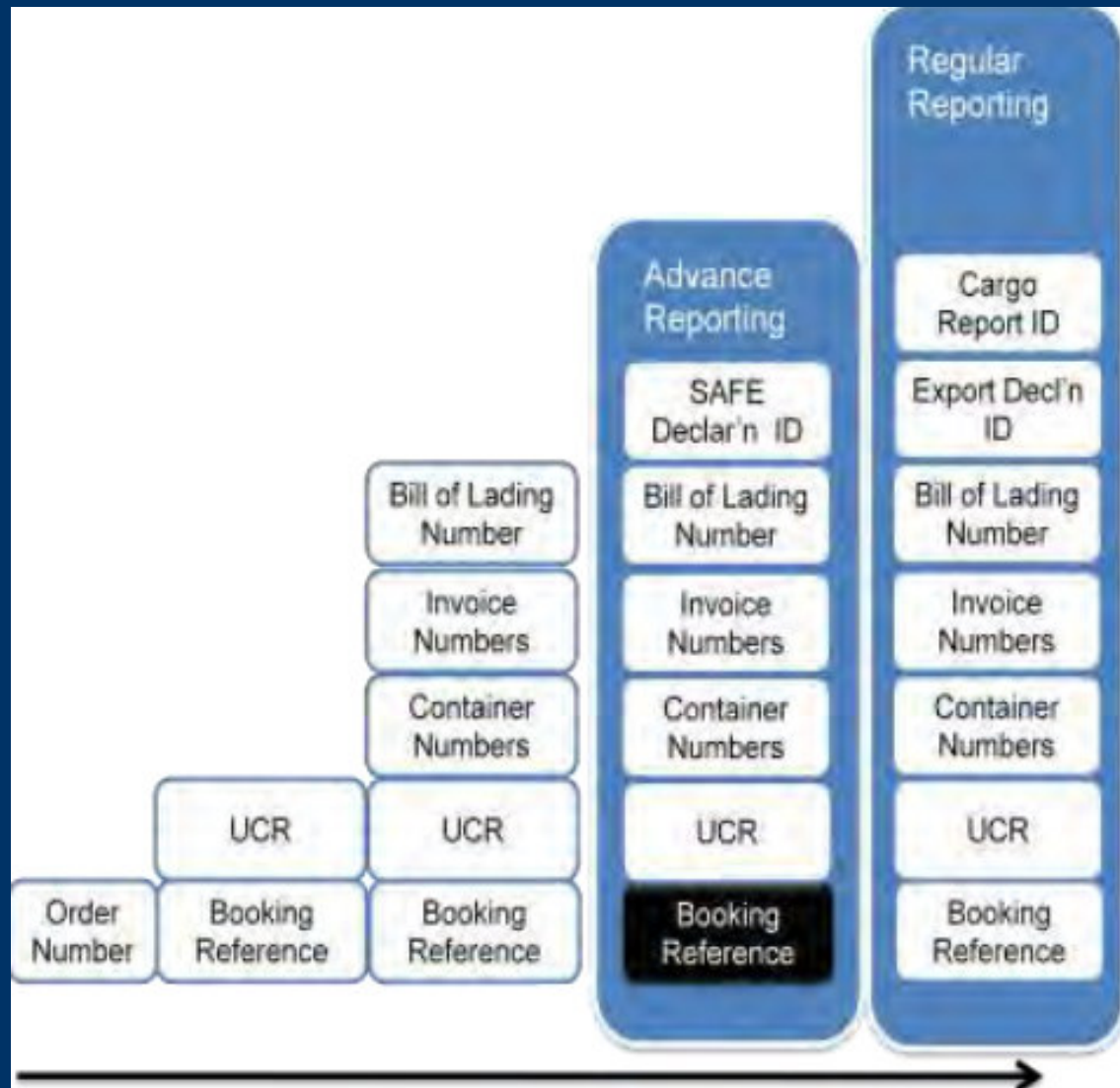
- Visibility and predictability of government processes and regulations
- Better use of resources
- Supports risk management and profiling and improved compliance outcomes



✓ **Putting it on
the
government
agenda**



UNIQUE CONSIGNMENT REFERENCE (UCR)



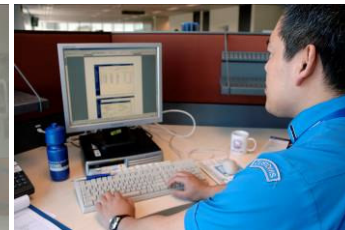
SINGLE ADMINISTRATIVE DOCUMENT (SAD)

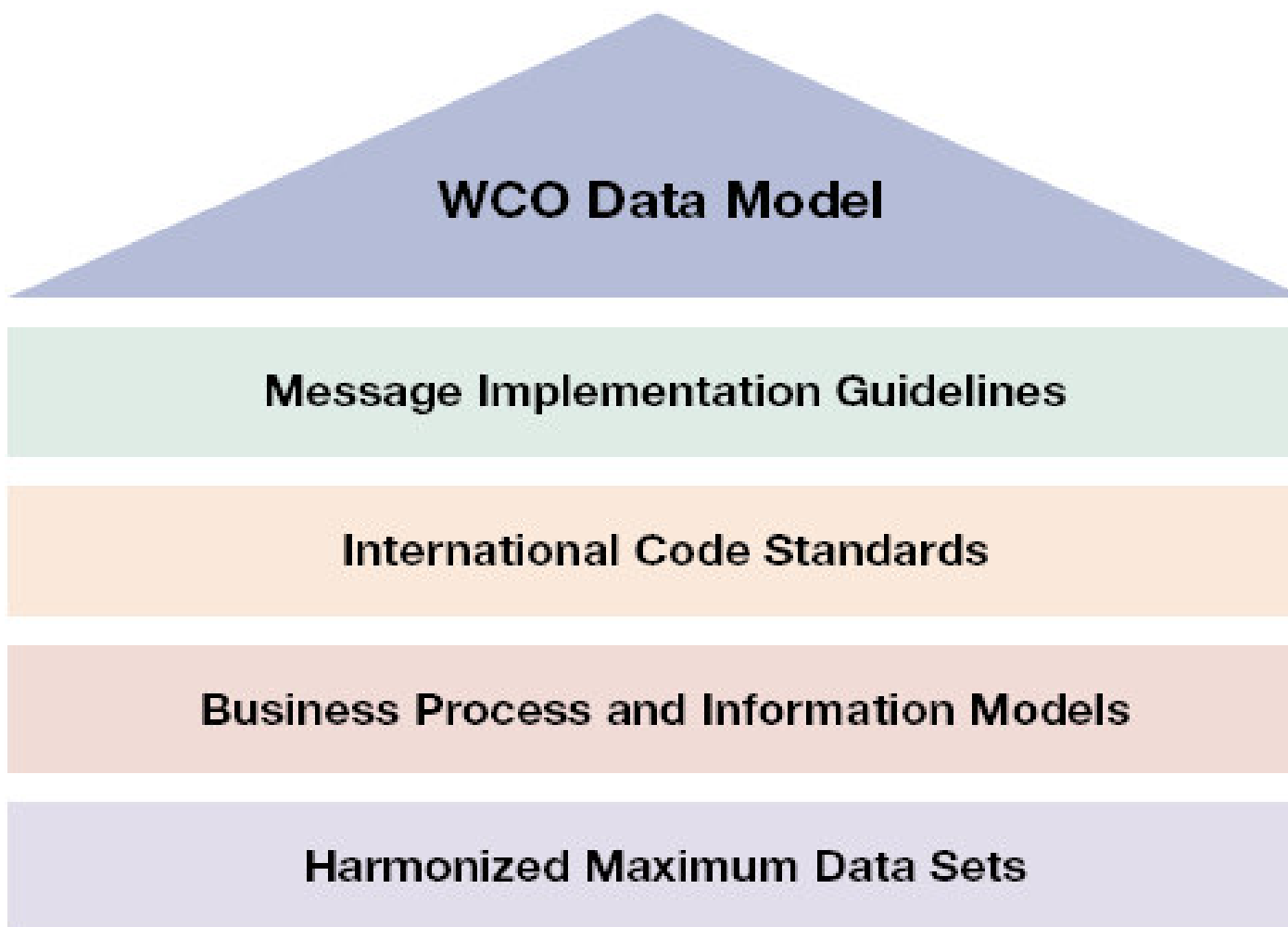
SAD – SUPPORTS HARMONIZATION

- An EU-wide common declaration document

Aims:

- to ensure visibility in administrative requirements
- Rationalize and reduce documentation requirements
- Reduce information requirements and standardize required data
- Create a single language understood by all states
- Common codes
- Compatible with the WCO Data model





CONSIDERATIONS IN SUPPORT OF E-TRADE:

- Certification Authority
- Electronic / On-line documents with e-signature
- Digital Signature
- Electronic Payment/funds transfer (EFT)
- International Commercial Arbitration Law (Judicial system and security)
- Cyber crime
- Intellectual Property

INTEGRATED CARGO SYSTEM (ICS)

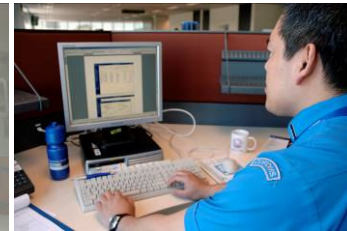
Australian Customs and Border Protection Service

- ICS provides an integrated imports and exports management system
- Electronic reporting and interface with Customs and other border agencies
- Provides a secure and transparent single window

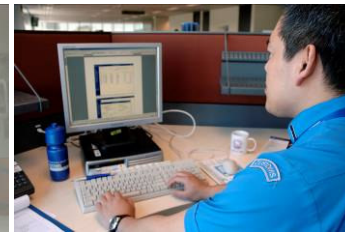
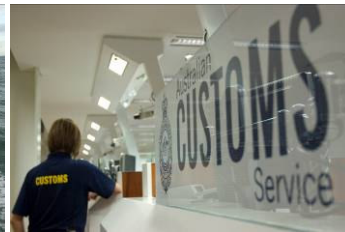


INTEGRATED CARGO SYSTEM (ICS)

Features:



- **Electronic lodgement**
- **Cargo Risk Assessment**
- **Client register**
- **Cargo Tracking**
- **Interactive for Industry with Electronic Messaging**
- **Certainty of “status”**
- **TAPIN (Tariff Precedents)**
- **Tariff Concessions**
- **Electronic Funds Facility**
- **Links to Banks, other government agencies**
- **EXAMS database links**
- **PROFILE engine and Behavioural Risk Assessment Module**
- **Cargo Research Environment**



ONLINE CUSTOMS DECLARATIONS Russian Federation

- Declarations via the internet using e-signature
- Early notification including additional documents
- Remote users via web portal
- Includes remote release
- Reduction in heavy truck traffic at border points
- Reduced costs and time



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The Single Window environment is a complex technical issue, but it cannot work without the politics and other non-IT issues being examined first.

Be sure to get the policy, legal and administrative frameworks analysed and sorted before looking at technical options.

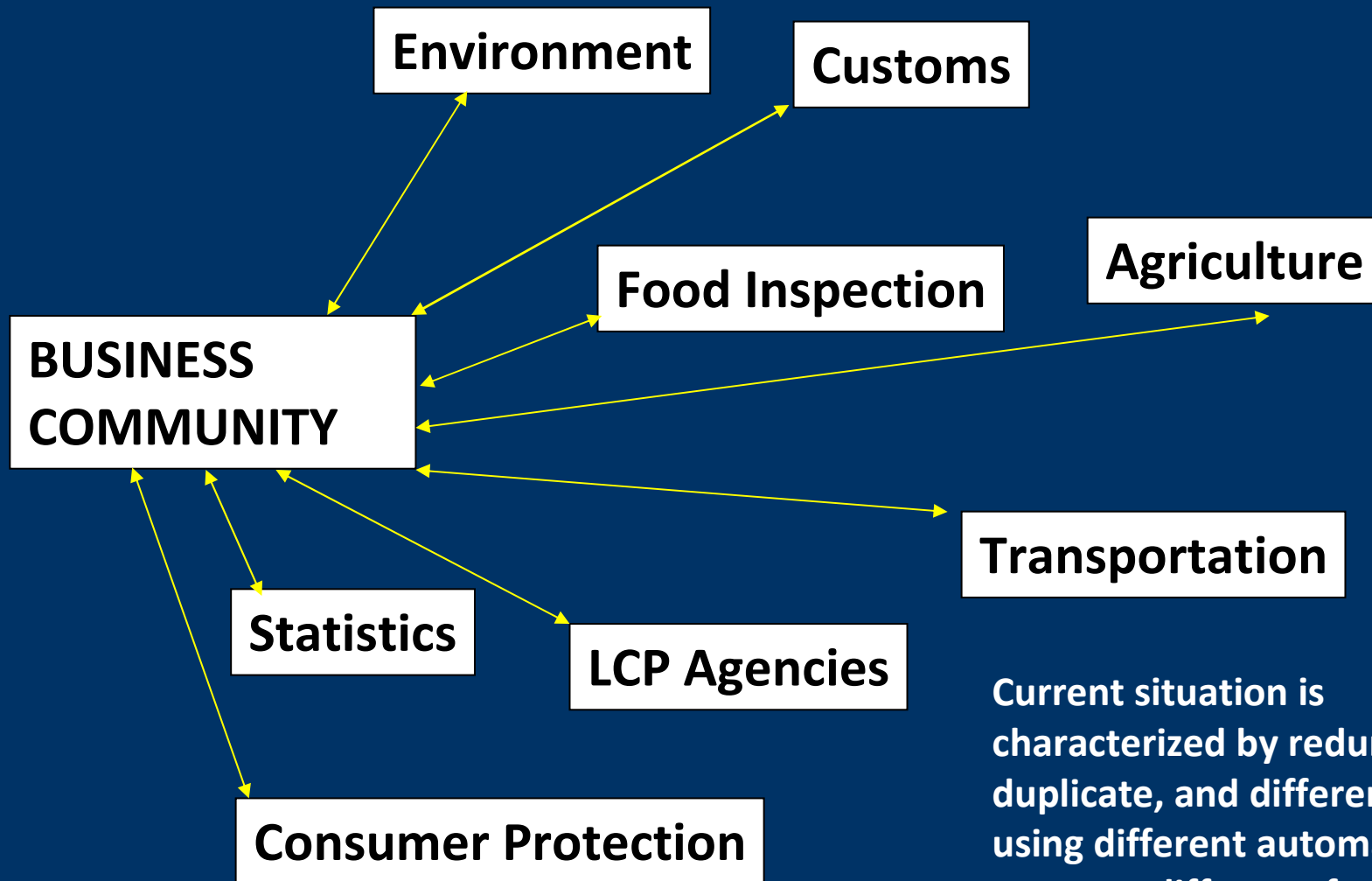
SINGLE WINDOW FEATURES

- Single point of data submission
- Transmitted to appropriate authorities
- Ability to reuse data – submit once use many times
- Single point of response
- Data standardisation
- Combined online trans. status
- Online report capability

SINGLE WINDOW FEATURES

- **Customs has the dominant role at the border**
- **US ITDS and SAFE Port Act**
- **Similar legislative/administrative arrangements in CA, AU, KO, NL etc.**
- **APEC SWWG, ASEAN**
- **Technological neutrality for data standards**
- **Adopting a whole-of-government approach to border regulatory processes and associated data**

Previous Situation



Current situation is characterized by redundant, duplicate, and different data using different automated systems, different forms, or both.

A Single Window environment will allow the transmission of one standard set of data, distributed and used by all cross-border regulatory agencies.

**Business
Community (B2G) or
Other Government**

Single
Window

Data source can be
another government's
Single Window, G2G

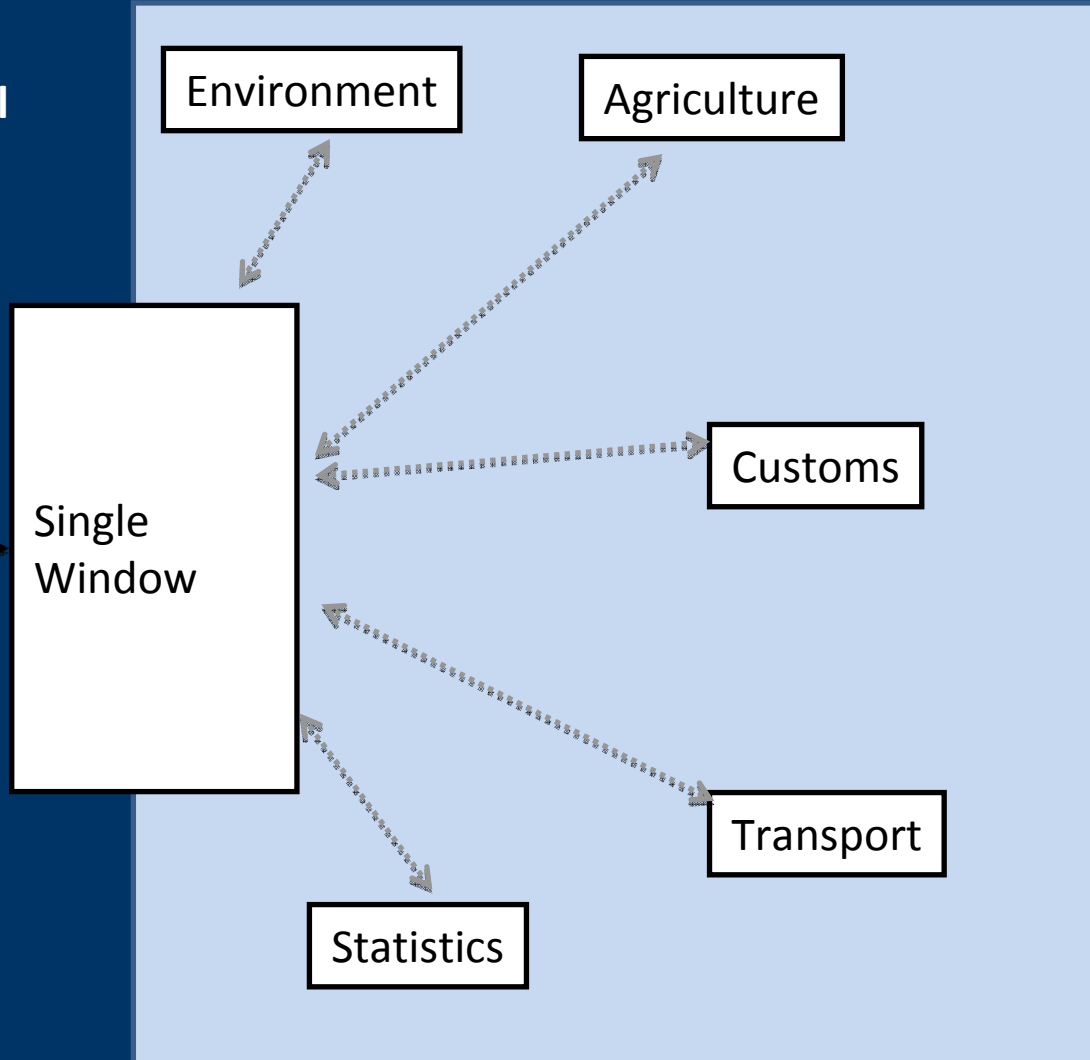
Environment

Agriculture

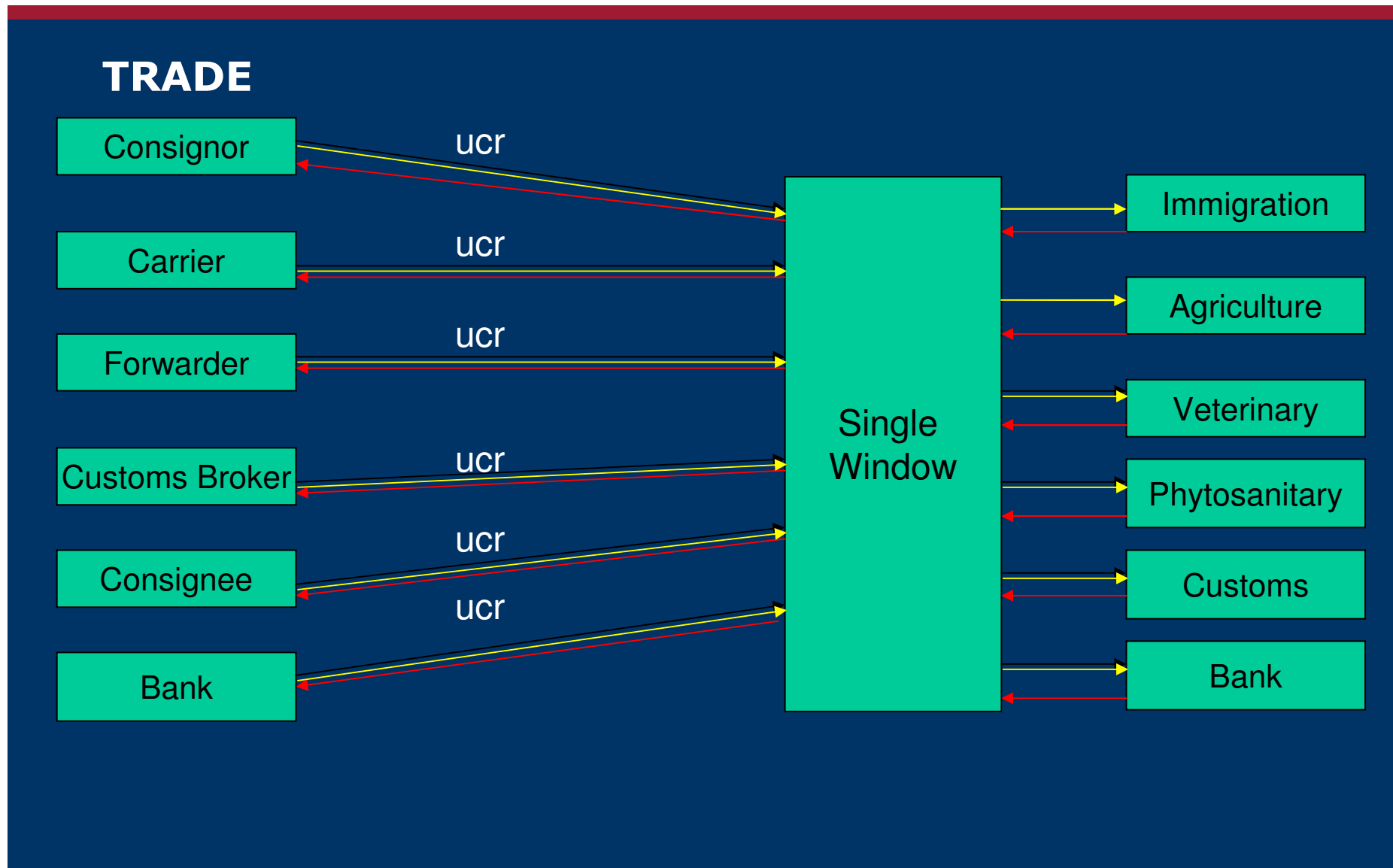
Customs

Transport

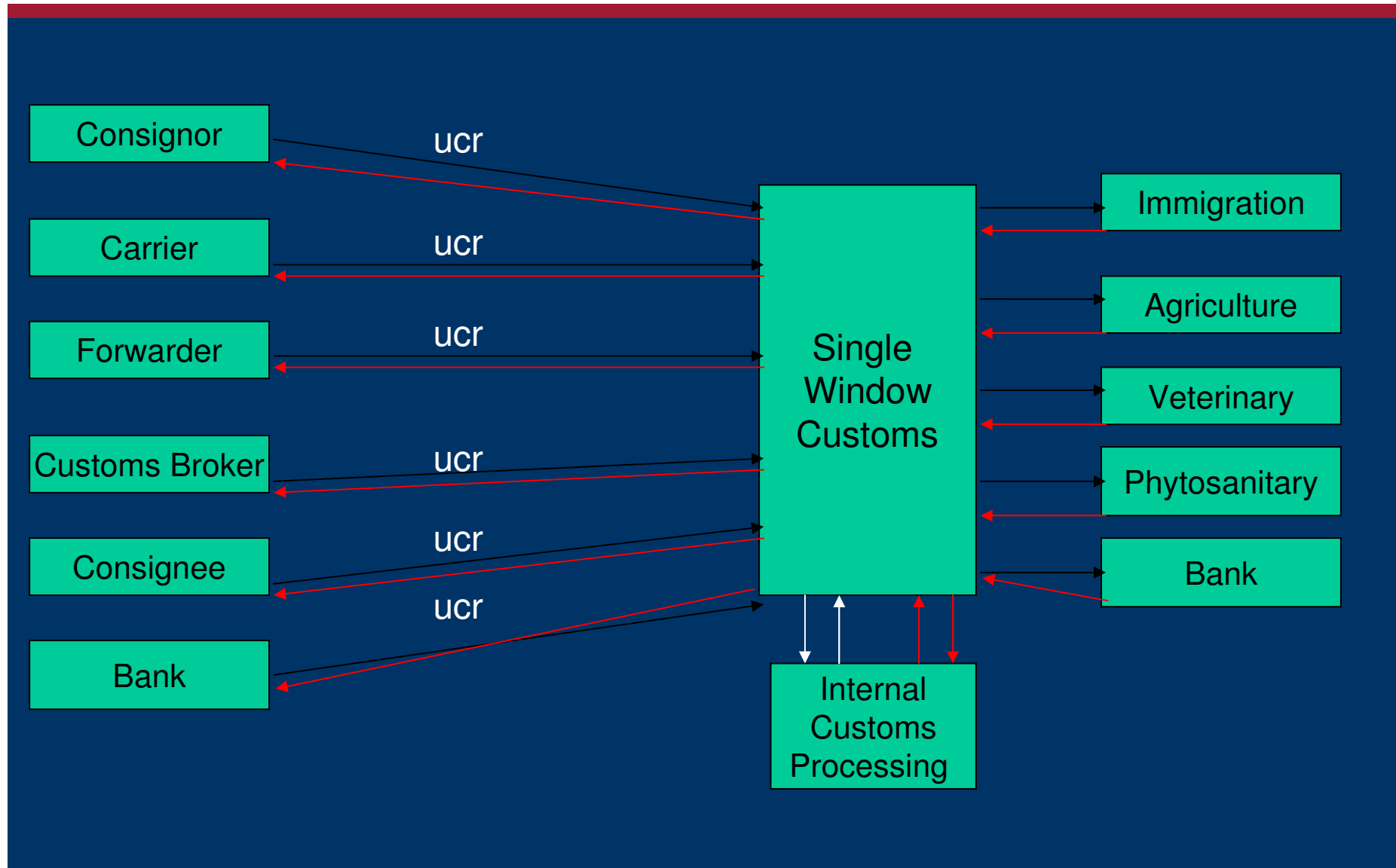
Statistics



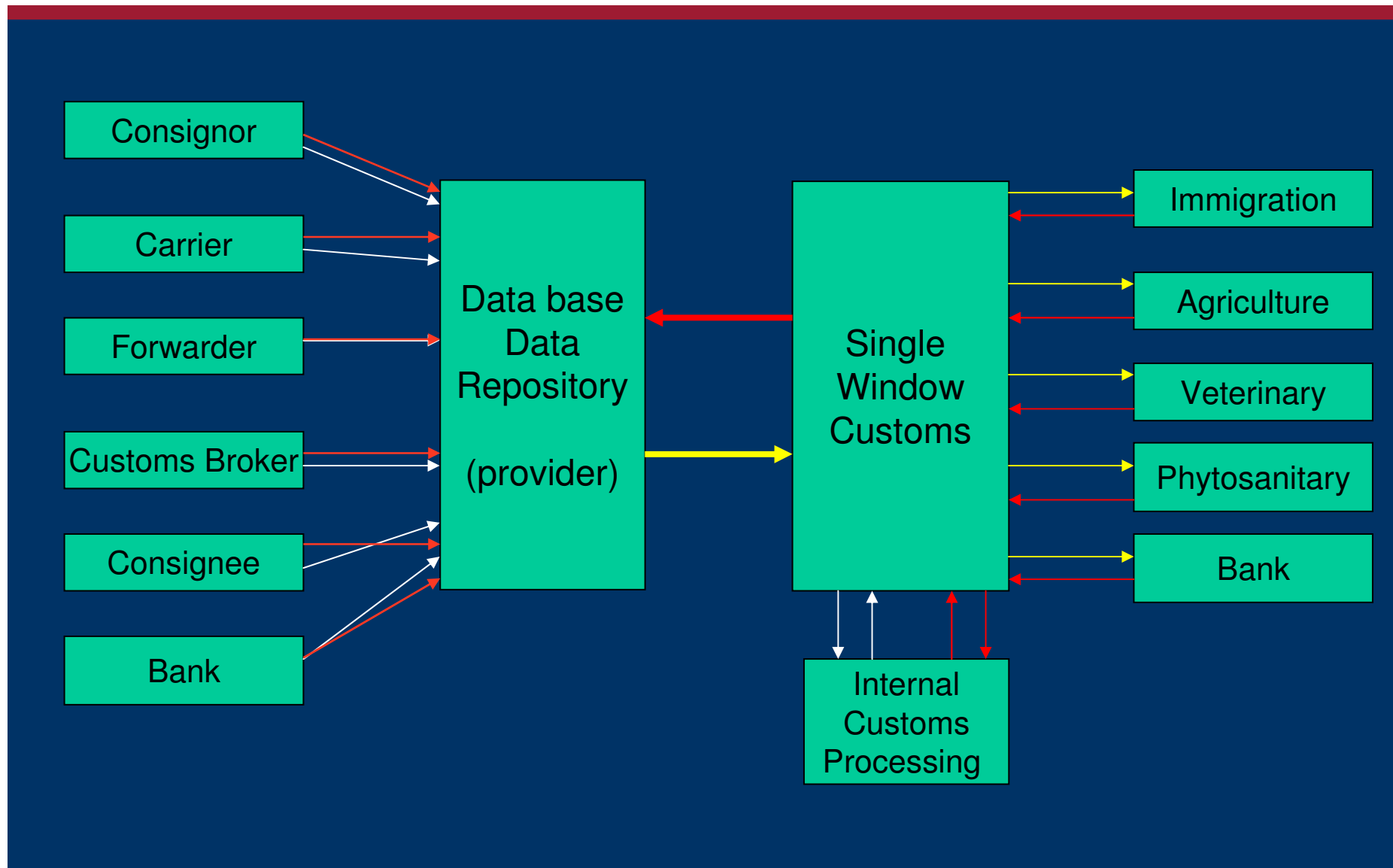
Single Window- Typology of design – I



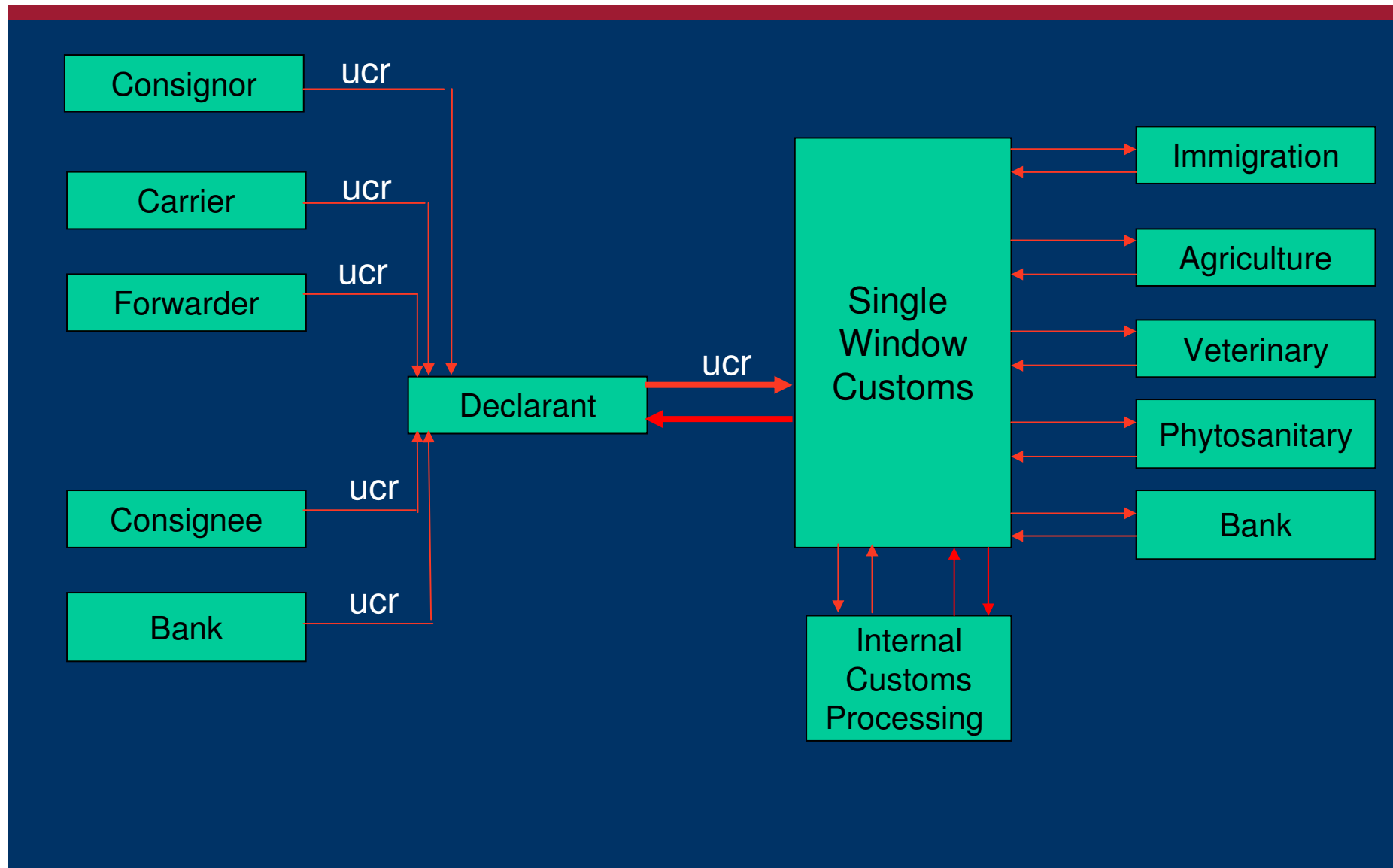
Single Window- Typology of design – 2



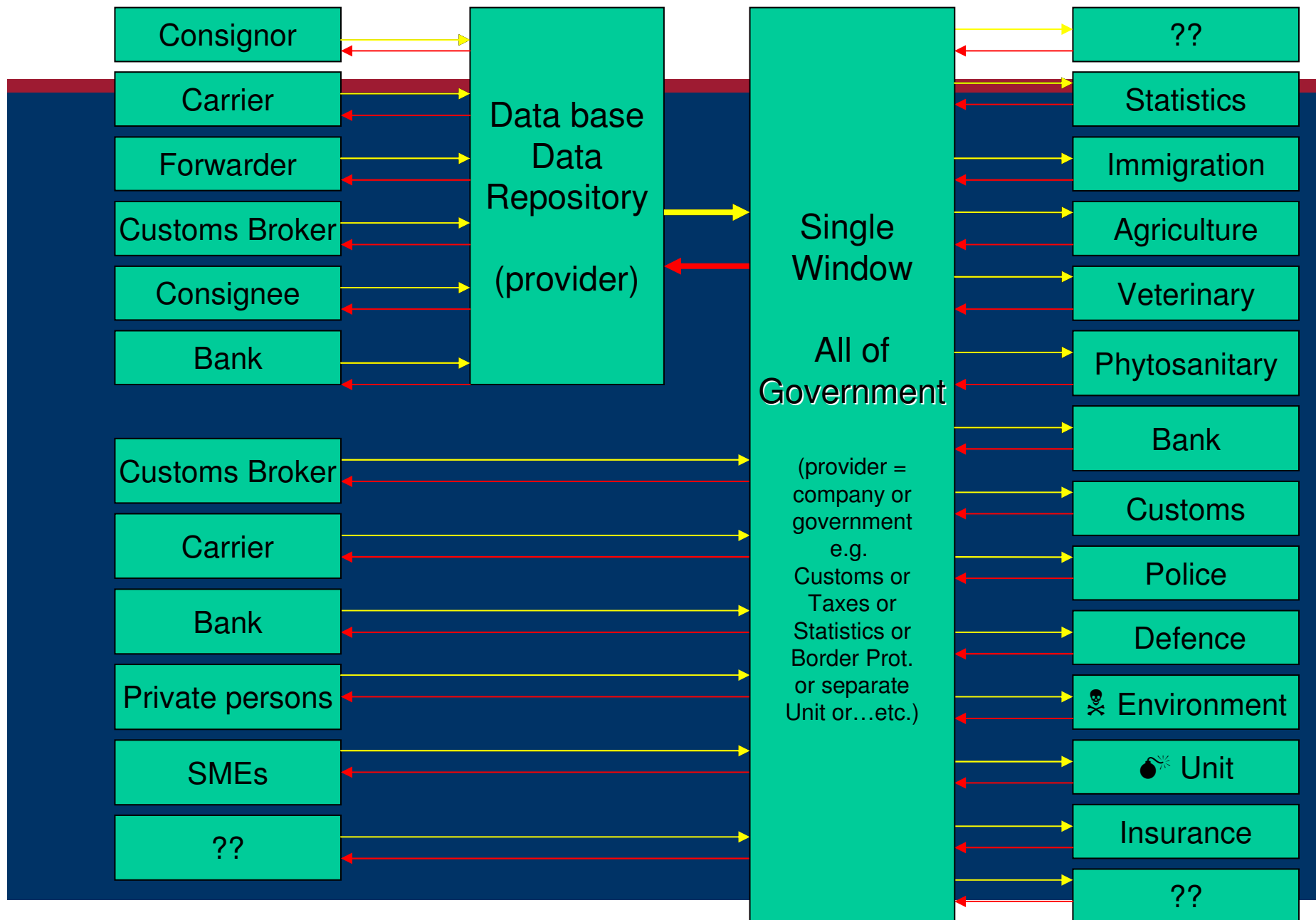
Single Window- Typology of design – 3



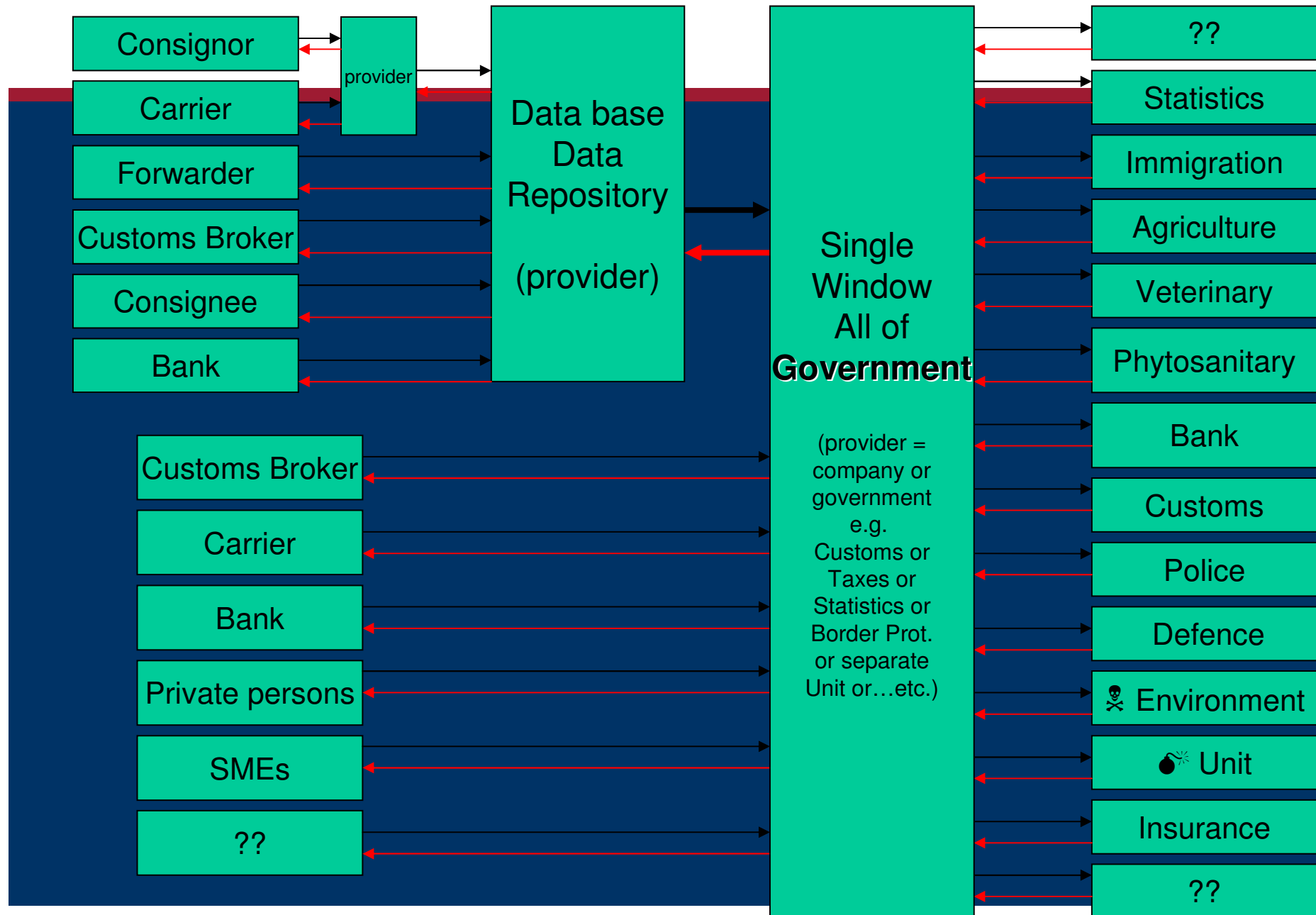
Single Window- Typology of design – 4



Single Window- Typology of design – 5



Single Window- Typology of design – 6



KEY MESSAGES:

- The Volume of trade is increasing along with the *SPEED*
- Increasing complexity of trading environment
- Legal and Regulatory minefield
- Need sound governance and procurement processes



THANK YOU



QUESTIONS