World Customs Organization
Organisation Mondiale des Douanes

DATA ANALYSIS FOR EFFECTIVE BORDER MANAGEMENT

Central Asia Regional Economic Cooperation Program

16th Customs Cooperation Committee Meeting

19 September 2017

Dushanbe, Tajikistan

WCO Annual Theme

- 2015: "Coordinated Border Management - An inclusive approach for connecting stakeholders"

- 2016: "Digital Customs: Progressive Engagement"

- 2017: "Data Analysis for Effective Border Management"

International Customs Day 2017

DATA ANALYSIS FOR EFFECTIVE BORDER MANAGEMENT

- "Анализ данных в интересах эффективного управления границами"
- "有效边境管理之数据分析"
- "El análisis de los datos para una gestión eficaz de las fronteras"
- "Análise de Dados para uma Gestão Eficaz das Fronteiras"
- "تحليل البيانات لأجل إدارة فعالة للحدود"

Message from WCO Secretary General

- ***Data*** – new opportunities to advance mission-critical objectives
- ***Quality*** data obtained in a ***timely*** manner
- ***Harmonization*** of data to be circulated
- ***Skills*** to be developed pursuant to the IT challenges
- ***Privacy*** and ***confidentiality*** laws

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Secretariat's research outcome

- **Challenges and opportunities**
  - Standards – data formats
  - Risk management – crucial questions about data accuracy, availability and admissibility in decision making
  - Internet of Things (IoT) – Customs would be able to concentrate on their analytical tasks, while having commercial operators function as 'caretakers'

Secretariat's research outcome

- **Challenges and opportunities**
  - E-commerce – a very data-rich environment, in which Customs could potentially embrace voluminous data concerning trade in goods
  - Security concerns – fight against terrorism/violent extremism/organized crimes with predictive analytics
  - Emerging threats – money laundering/ terrorist financing

Discussion at a working level committee

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- ***Objective***

  - Be aware of certain trading patterns

  - Selectivity (cargoes/travelers)

  - Trade facilitation effect

Discussion at a working level committee

- ***Data collection***

  - Data quality/Data integrity

  - Private sector burden / Feedback (incentive) mechanism

  - Interoperability of systems

  - Cooperation with and support from other governmental agencies (or partner agencies)

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Discussion at a working level committee

- ***IT solutions***

  - Open source tools for data analysis

  - A cost/benefit analysis to be performed before introducing an IT solution

  - Training required for proper utilization of IT solutions

  - Insourced/outsourced

IT Conference & Exhibition (June 2017, Tbilisi, Georgia)

- **E-commerce** and risk management
  - Lack of data, poor data quality
- **Data exchange** mechanism
  - Question of trust in the data being provided
  - Necessity of standardized requirements
- **Utilization of data**
  - The right data, from the right people, at the right time

Upcoming event

Towards Customs

- WCO calls on Customs administrations across the globe to leverage the potential of data
  - To advance and achieve their objectives
  - To respond to the expectations of traders, transport and logistic operators, as well as governments

Thank you for your attention.