

Generative Al for Trade Facilitation

 $\mathbf{O} \mathbf{O} \mathbf{O}$

Lope Doromal Jr. Chief Technology Officer Microsoft Philippines



AI Trends in Customs Operations



New ways of engaging with employees and people Democratization of AI with Generative AI, Explainable AI, Sustainable AI

Leverage Al driven data Insights in the Cloud Smart Innovation and Automation for real time crosscountry and cross agency insights

Optimize employee time and skills Essential part of Process Improvement and Business Decision Making

Security & Trust

Benefits of AI & Copilots in Customs

When vendors were asked how the AI-bot performed, over 65% preferred negotiating with it instead of with an employee. EY 2024

Picking routes within warehouses, boosting workforce productivity by about 30% while slashing operational costs through optimized space and materials handling. <u>EY 2024</u>

Regarding data analysis the operational costs of GPT-4 are between 0.45% and 0.70% of that of a data analyst. WCO 2023



AI-led innovation in Customs and Ports Operations

UK Customs and Heathrow Airport



Multispecies AI model to detect illegal wildlife trafficking

Canada Marine Security Operations Center

凸



Enhancing situational awareness with Correlation engine powered by Al

Ports of Oulu, Finland



Intelligent customs and ports operations with Digital Twin

Inter-American Center of Tax Administrations (CIAT)



Unlocking insight and empowering tax agencies to spot illicit economic activity by embracing explainable AI



Object Detection | Action Recognition Image Classification | Semantic Segmentation

5G Connection | IoT and spatial data _____Intelligent data platform | Real

time 3D

Machine Learning | Anomaly detection

Network analysis | Intelligent Dashboards

INTERNAL. This information is accessible to ADB Management and Staff. It may be shared outside ADB with appropriate permission.

Microsoft Vision for Intelligent Trade

- Revenue Collection and • **Risk Profiling**
- Autonomy and Automation • thru Intelligence at the Edge
- **Border Situational** • Awareness

- Trust thru Data • Collaboration and Secured Identity
- Enhanced Capacity thru Customs **Ecosystem Development**



and

New Services

The importance of Responsible AI

It ensures:

- The highest standards of legality, ethics, transparency and accountability are met;
- That evidential/admissibility and data quality requirements are fulfilled;
- Public trust and confidence in the use of Al by the public sector is maintained;
- The data collected, transmitted, processed, and stored is secure; and
- Personal privacy and civil liberties are maintained

Governance

Office of Responsible Al Responsible Al Committee Al Handbook

Tools Understand | Protect | Control

Practices Guidelines | Checklists

Principles Fairness Accountability Transparency Inclusiveness Reliability & Safety Privacy & Security

