

# From Ports to Corridors: Advancing Data Sharing & Collaboration

## Fostering Stakeholder Coordination

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# LAC Port Context: Why Data Sharing Matters

- Many ports in LAC continue to operate primarily as **cargo-handling centres**, without a fully integrated view of their role in global supply chains
- Persistent **fragmentation across agencies, private operators, and national borders** limits coordination and visibility
- Despite progress, **digital adoption remains uneven**, particularly among smaller ports and logistics actors
- **Capacity and financing constraints**, especially in small island states, limit the pace of modernization and innovation
- At the same time, **nearshoring and supply chain diversification** present a major opportunity—requiring faster, more coordinated and data-driven port ecosystems



# PCS Momentum

- **Growing adoption of Port Community Systems**, accelerated by the IMO Maritime Single Window (MSW) mandate as a key entry point for digitalization
- **A two-speed region**: major hubs advancing toward integrated digital platforms, while smaller ports—particularly in the Caribbean—remain in early stages
- **Increasing digital readiness** among customs and private operators (e.g. tracking systems, IoT, EDI) is creating a stronger foundation for integration
- **Strong donor and institutional support** (IDB, CAF, CDB) enabling readiness assessments, pilots, and implementation programs
- **Shift toward cloud-based and modular solutions** (SaaS, open-source) improving affordability and scalability, particularly for small states

# Persistent Gaps in Data Sharing and Collaboration

- Significant **interoperability gap**: customs, port authorities, and private operators continue to rely on incompatible systems and data standards
- **Adoption friction persists**, including stakeholder onboarding challenges, legacy IT systems, and the complexity of change management
- **Limited availability of scalable solutions for small ports**, where implementation costs often exceed immediate economic returns
- Continued perception that technology alone will deliver efficiencies, **without sufficient attention to institutional reform and governance**
- **Limited cross-border data sharing and end-to-end visibility**, reinforcing fragmentation across the supply chain

# From Ports to Corridors



Advancing data sharing beyond individual ports



Shift from port-centric to supply-chain-centric thinking



Connect ports with customs, logistics, and hinterland actors



Enable continuity of information along trade routes



Support proactive rather than reactive decision-making

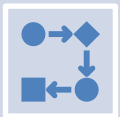
# Data Corridors



Structured cross-port data exchange



Include: vessel, cargo and arrival/stay/  
departure data



Enable pre-arrival processing and planning



Improve predictability and reduce  
uncertainty

# Unlocking Value Through Interoperability



Enhanced operational efficiency



Improved decision-making = Reduced congestion and dwell times



Stronger Customs risk management



Greater predictability and reliability = better service levels



Greater integration of small states into global trade

# Trust, Governance and Collaboration Models

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Trust as the Foundation - Data ownership and confidentiality concerns

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Clear legal and regulatory frameworks

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Cross-border data sharing adds complexity due to differing policies, standards, and data protection requirements

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Cybersecurity and data protection considerations for system integrity

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Effective collaboration models: PPPs, active private sector participation, institutional support from partners

## **Key Challenges**

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Scalability for small states with limited volumes

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Maintaining stakeholder engagement over time

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Aligning incentives across diverse actors

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Capacity and skills gaps

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Ensuring long-term financial and operational sustainability

# Leveraging AI in Port Data Ecosystems

## **Predictive planning and operations**

Forecasting allows more proactive port and logistics management

## **Enhanced customs and border risk management**

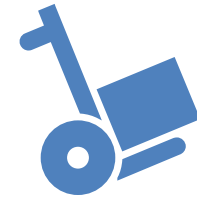
Improves targeting by analyzing larger, cross-border datasets

## **Pre-arrival processing and facilitation**

Automated analysis of advance data = faster clearance and better coordination of border agencies

## **Real-time decision support**

Advanced analytics = actionable insights for border agencies and policymakers across corridors



## Key Takeaways

- PCS is a foundation but not the endpoint
- Future lies in interconnected data ecosystems
- Data corridors can transform efficiency across regions
- Success depends on interoperability, trust, and governance
- Collaboration is a strategic necessity for small states
- AI enables smarter, predictive use of shared data across ports and corridors

Thank you!

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