



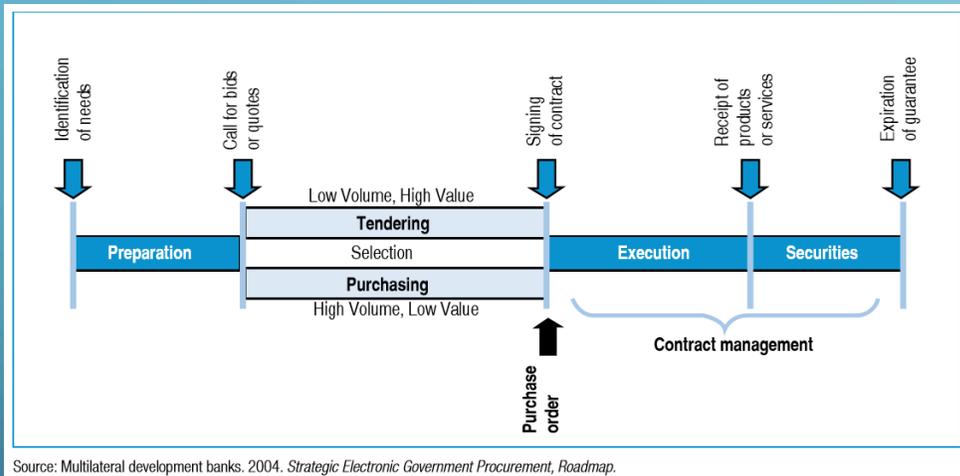
# MISSING PIECES IN END-TO-END PROCUREMENT: APPROACHES TO EXTERNAL IT SYSTEM INTEGRATION

ASIA PACIFIC PUBLIC ELECTRONIC PROCUREMENT NETWORK

3<sup>RD</sup> E-GOVERNMENT PROCUREMENT CONFERENCE

TBILISI, GEORGIA

# END TO END PROCUREMENT

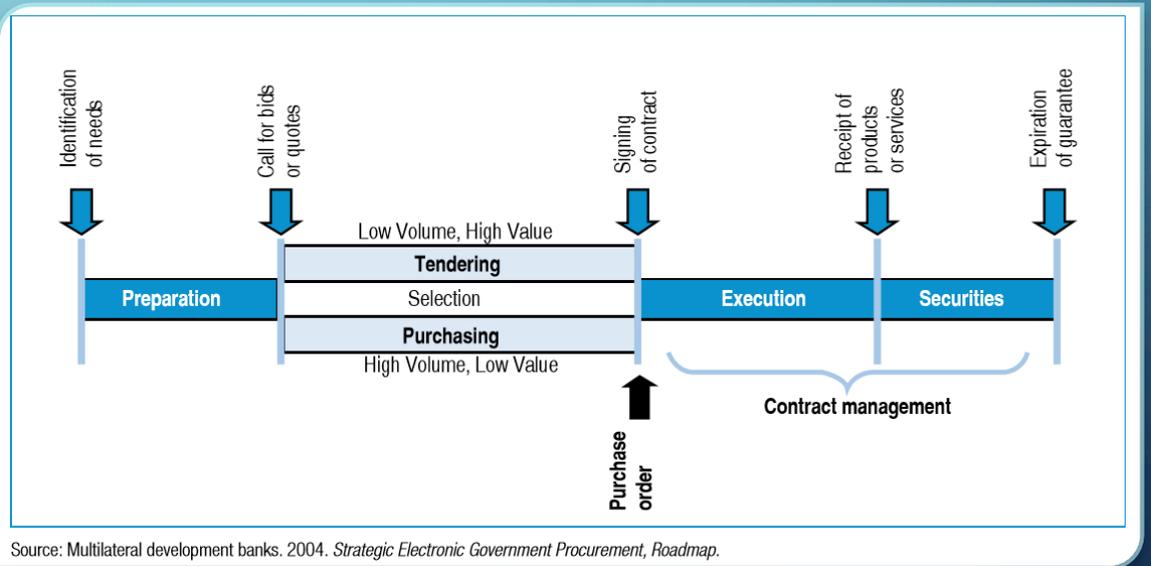


Source: Multilateral development banks. 2004. *Strategic Electronic Government Procurement, Roadmap*.

- Planning and Budget Approval
- Procurement Management
  - Tendering / Purchasing
  - Evaluation
  - Award
- Contract Management and Payment
- Reporting / Analytics

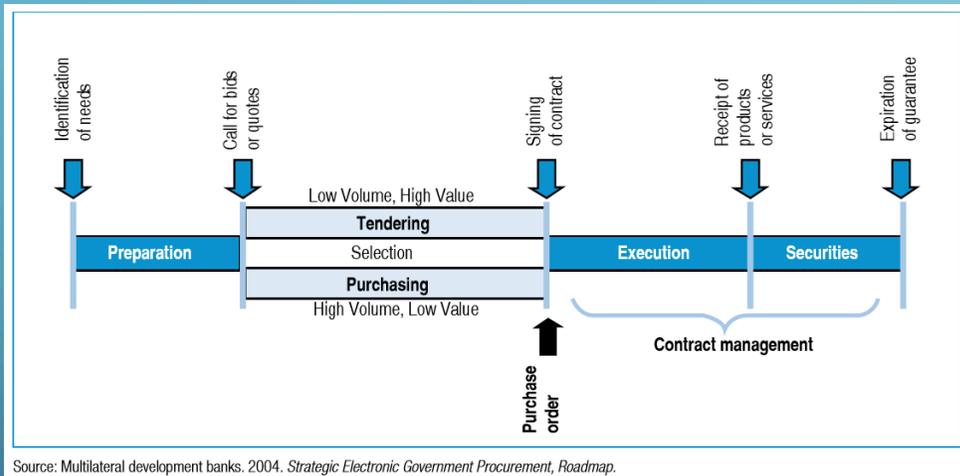
# INTEGRATION IN END TO END PROCUREMENT

- Overall Objectives
  - Efficiency
  - Effectiveness
  - Auditable Process



Source: Multilateral development banks. 2004. *Strategic Electronic Government Procurement, Roadmap*.

# INTEGRATION IN END TO END PROCUREMENT

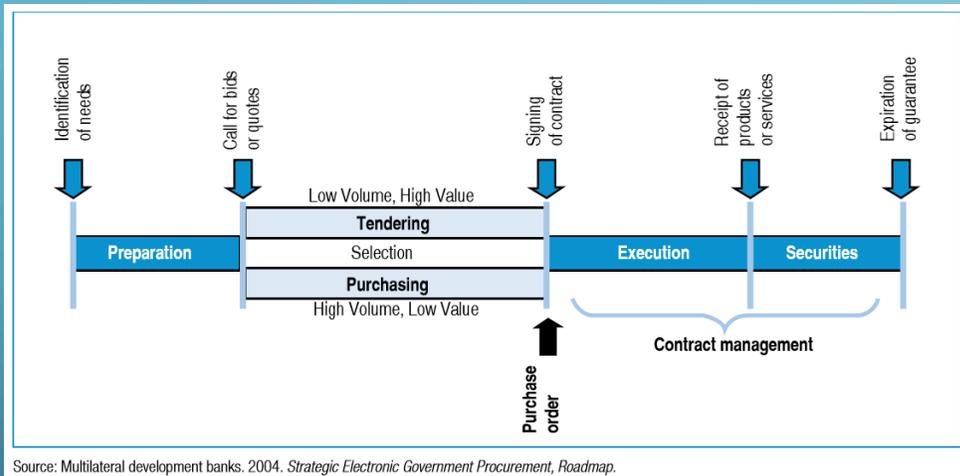


Source: Multilateral development banks. 2004. *Strategic Electronic Government Procurement, Roadmap*.

- Efficiency

- Reduce duplication of data entry
- Facilitate exchange of Data
- Support data validation and authentication of Data
  - Vendor Information
  - Project Budgets and Approvals

# INTEGRATION IN END TO END PROCUREMENT



Source: Multilateral development banks. 2004. *Strategic Electronic Government Procurement, Roadmap*.

- Effectiveness

- Reduction of time
- Reduction of cost
- Reduction of corruption and fraud
- Increase competition and source of supply

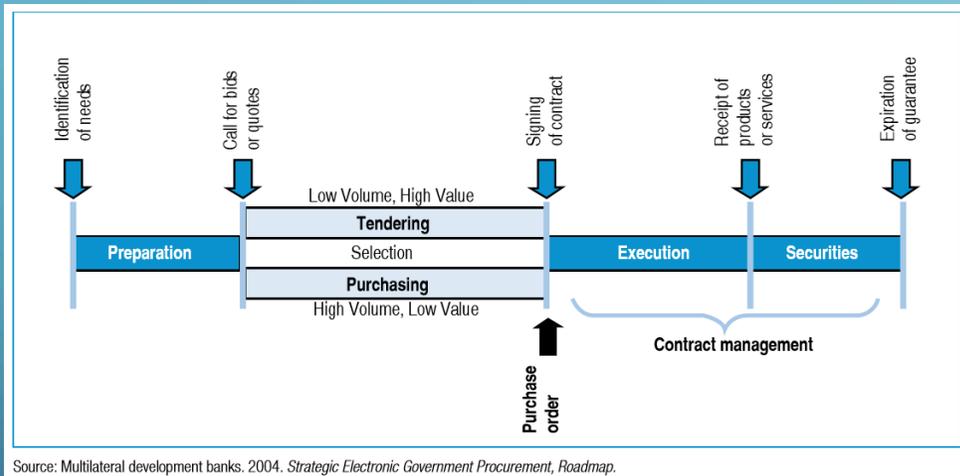
# INTEGRATION WITH END TO END PROCUREMENT

Budget System

Registry Systems

CA System

PMIS



Tax System

Financial System

Banking Systems

- Plans and Budgets
  - Budget System (ERP)
- Procurement Management
  - E-Procurement
  - Corporate Registry, Tax, National ID, DSC CA
- Contract Management and Payment
  - Financial Systems (ERP)
  - Banking Network
- Reporting / Analytics
  - PIMS
  - Open Contracting/Data

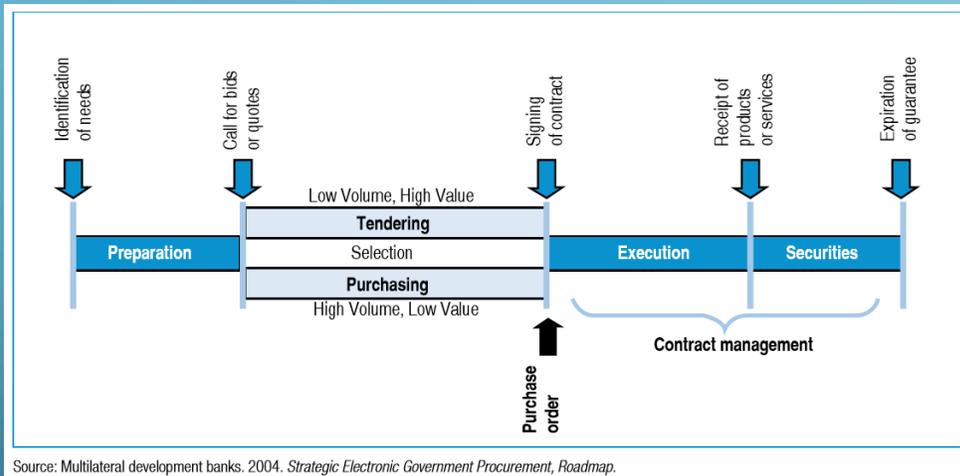
# INTEGRATION WITH END TO END PROCUREMENT

Budget System

Registry Systems

CA System

PMIS



Tax System

Financial System

Banking Systems

- End to End government procurement is generally the integration of multiple systems
- Integration Considerations
  - Real-time vs. Data validation
  - System Compatibility
  - Cost and Time
  - Roles and Responsibility
  - Data Standards
  - Security and Service Levels
  - Managing Internal and External Dependencies

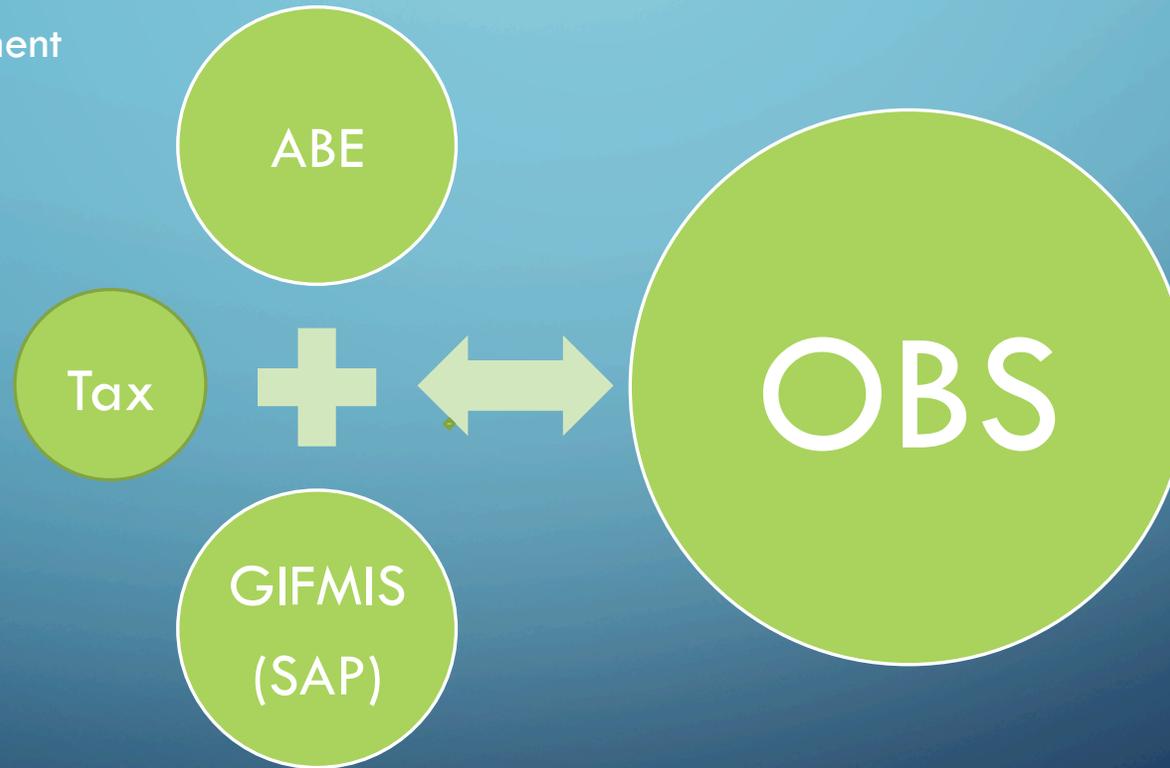
# SAMPLE END TO END PROCUREMENT INTEGRATION CANADA (FROM 2001 – 1997)

- Procurement Management

- Planning
- Requisition
- Purchasing
- Approvals
- Award

- Financial Management

- Budget
- Approvals
- Payment
- Audit Controls



- E-tendering

- Announcement
- Document Distributio
- Receipt
- Award Announcement
- Vendor Marketplace

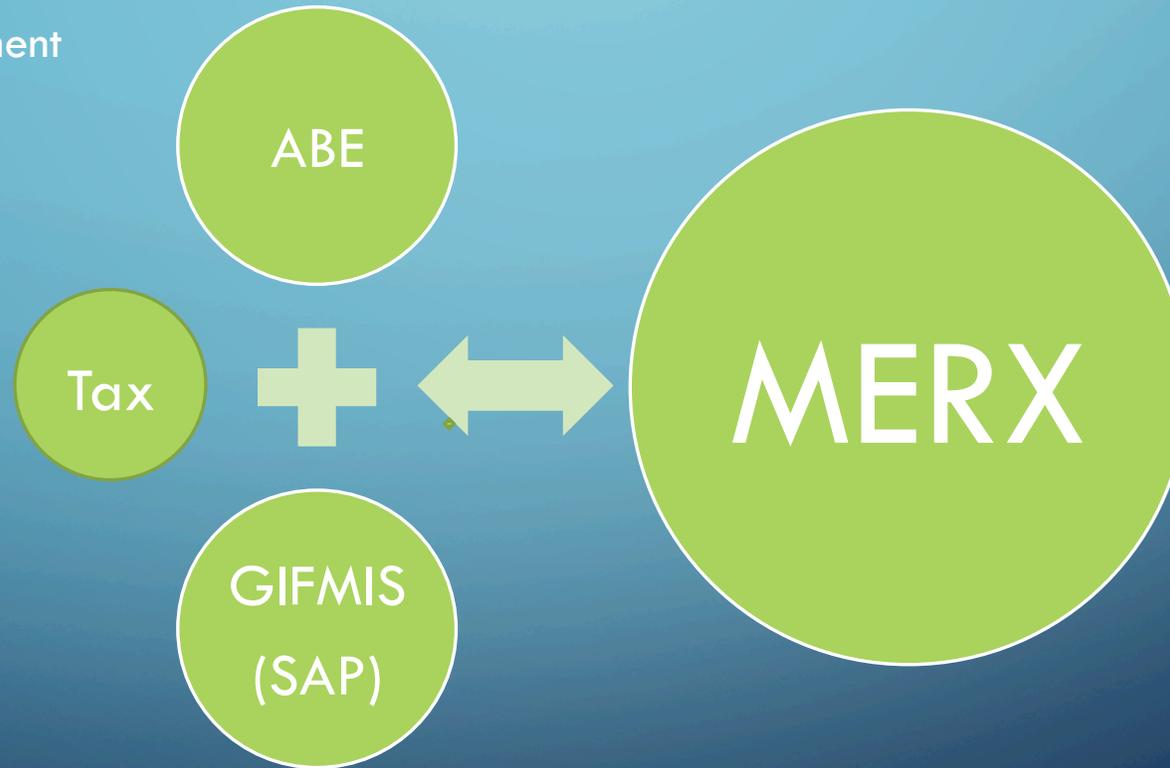
# SAMPLE END TO END PROCUREMENT INTEGRATION CANADA (FROM 1997 – 2012)

- Procurement Management

- Planning
- Requisition
- Purchasing
- Approvals
- Award

- Financial Management

- Budget
- Approvals
- Payment
- Audit Controls



- E-tendering

- Announcement
- Document Distributio
- Receipt
- Award Announcement
- Vendor Marketplace

# SAMPLE END TO END PROCUREMENT INTEGRATION CANADA (FROM 2012 – 2017)

- Procurement Management

- Planning
- Requisition
- Purchasing
- Approvals
- Award

- Financial Management

- Budget
- Approvals
- Payment
- Audit Controls



- E-tendering

- Announcement
- Document Distributio
- Receipt
- Award Announcement
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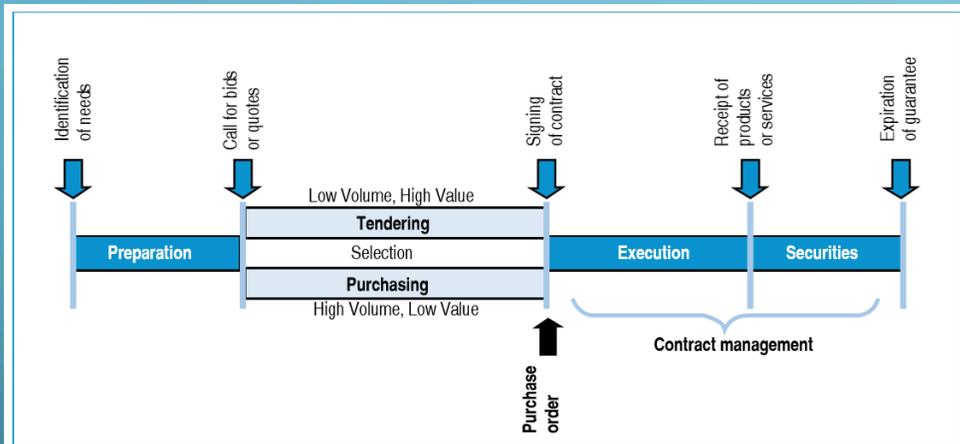
Local Registry

Industry

Telcos And Banks

Foreign E-GP

# MISSING PIECES WITH END TO END PROCUREMENT



Source: Multilateral development banks. 2004. *Strategic Electronic Government Procurement, Roadmap*.

Price Monitor

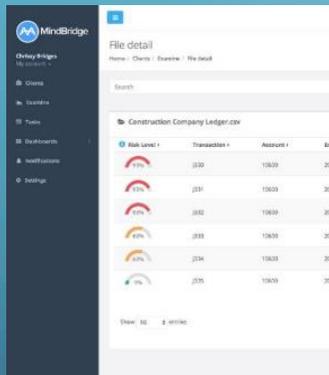
Amazon Ariba

E-GP Systems

- Data validation
  - Local Registries
  - Professional Qualifications
  - Financial Capacity
  - Telcos and Banks
  - Past and On-going projects
  - Foreign Government systems
- Price Monitoring
  - Web resources,
  - other Country e-GP

# MISSING PIECES WITH END TO END PROCUREMENT

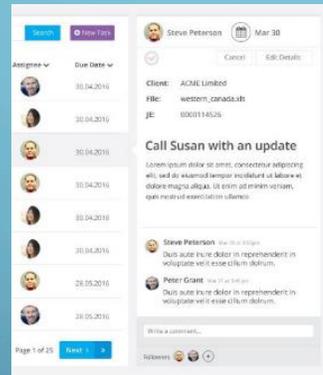
## Identify



## Assess



## Investigate



- Audit and Monitoring
  - Analytics
  - Real-Time Audit
  - Capacity Assessment
- What if analysis?
  - Assess criteria and evaluation results
- Project Results
  - Assess project / program after completion

# OPPORTUNITIES FOR COLLABORATION

- Data validation
  - Foreign Vendor Registration,
  - Signatures
- Price Monitoring
  - Applying Standard Classification
  - Sharing Price Data
- Project Planning
  - Terms of Reference
  - Criteria and results





THANK YOU

Joseph Fagan

ADB e-GP Specialist