Facilitating Trade with New Technological Solutions

Customs Success Stories – An African perspective

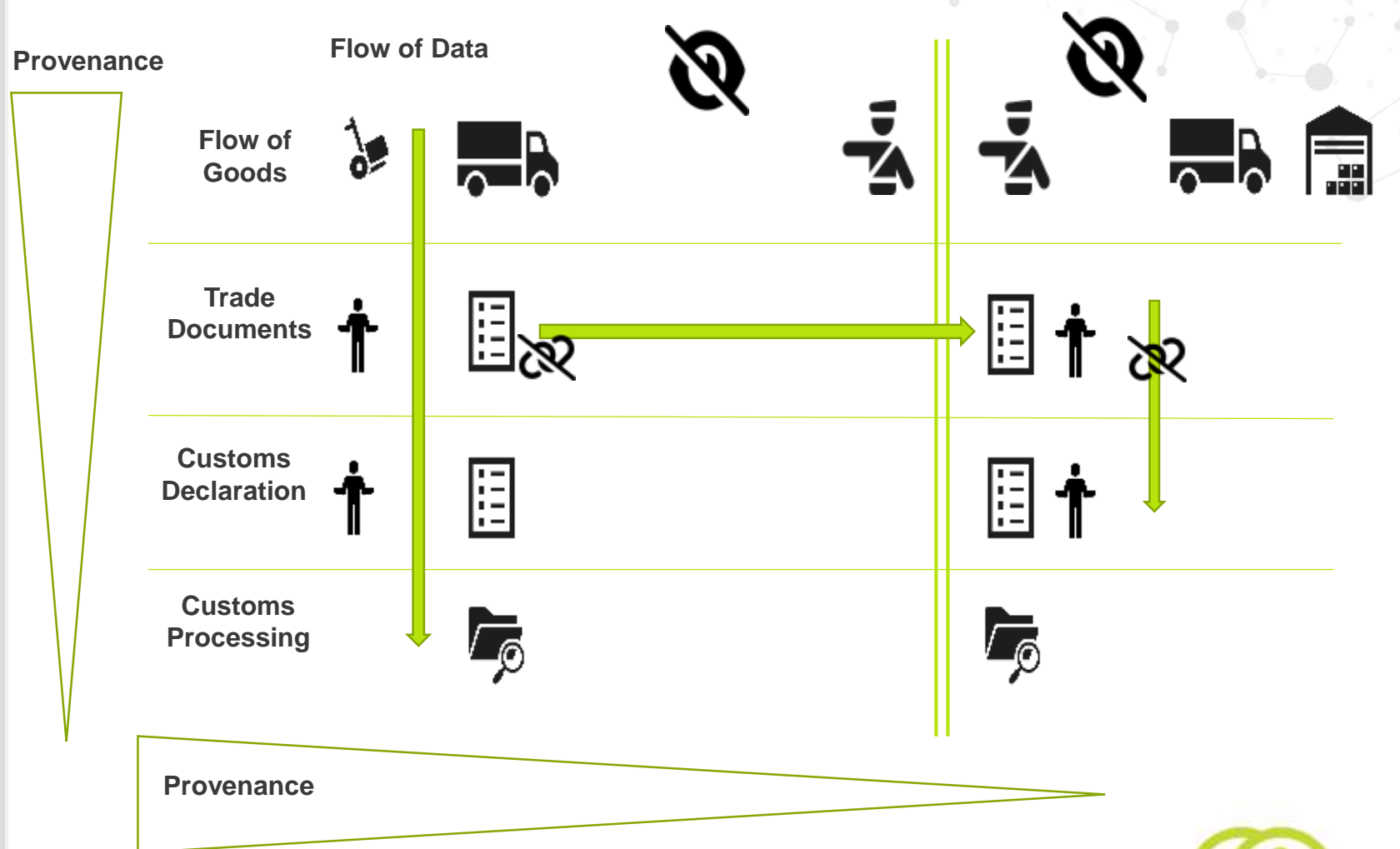# Central Customs Challenges

Traditional data requirements of Customs

- Very far removed from the source
- Multiple manual handover points creates errors and broken linkages
- No/limited visibility and security of consignment introduces risk

Result of the approach

- Scan or physical inspection of goods and documentation
- Customs resources
- Trade impact
  - Delays & interruptions
  - Add costs in the supply chain
  - Unreliability in delivery
  - Lack of data ownership

Provenance

Flow of Data

Flow of Goods

Trade Documents

Customs Declaration

Customs Processing

Provenance

New Technology Drivers for Customs & Trade

Cloud Computing

- Allow multiple stakeholders to collaborate

- Development of open APIs allow for connecting disparate systems & info flow

- Reduce cost of implementing new technologies

Internet of Things (IOT)

- Create visibility into the physical world

- Smart devices connected into management systems

Artificial Intelligence and Big Data

- Automation of repetitive tasks

- Advance risk management and insights

- Multiple data points for decision making

- Reduce resourcing

Blockchain

- Created trusted networks by ensuring provenance of data

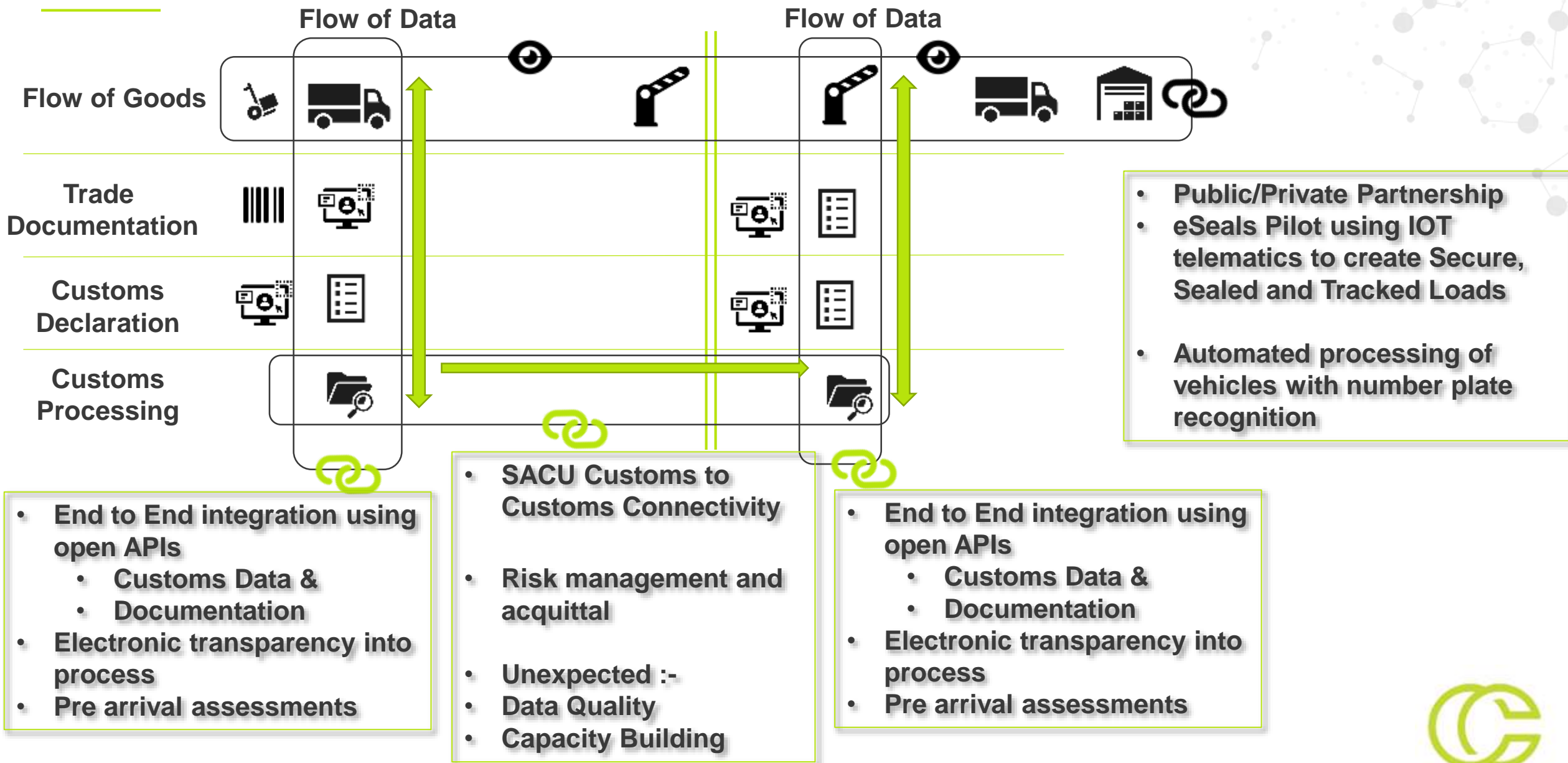- Permissioned data stores ensuring segregation of data

- Data Protection

End to End Visibility

Re-envisioned Processes and Procedures

Success with SACU Initiatives using Digital Solutions

Flow of Data

Flow of Data

Flow of Goods

Trade Documentation

Customs Declaration

Customs Processing

- **Public/Private Partnership**
- **eSeals Pilot using IOT telematics to create Secure, Sealed and Tracked Loads**

- **Automated processing of vehicles with number plate recognition**

- **End to End integration using open APIs**
  - **Customs Data &**
  - **Documentation**
- **Electronic transparency into process**
- **Pre arrival assessments**

- **SACU Customs to Customs Connectivity**

- **Risk management and acquittal**

- **Unexpected :-**
- **Data Quality**
- **Capacity Building**

- **End to End integration using open APIs**
  - **Customs Data &**
  - **Documentation**
- **Electronic transparency into process**
- **Pre arrival assessments**

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