Regional Cooperation – National Sovereignty

- Search and Match software solutions

- Focus on Identity and Employment markets

  - Border Management, Civil Identity, Justice & Public Safety

- In business since 1996

- Based in the Netherlands

- Deployments are organization-wide or nation-wide

WCC Overview and Offerings

Experienced in Interoperable Systems

EU-LISA Border Management

Fraud Prevention

Connects all member states

Extensible to additional applications

Mexico Quatemala Border – Integrated Border Mgmt

SECRETARÍA DE GOBERNACIÓN

INM

INSTITUTO NACIONAL DE MIGRACIÓN

Multiple Application

Migrant Worker

Global Entry

Detention Center

UNHCR Global Refugee Program

UNHCR
The UN Refugee Agency

Refugee Management

Local non-Connect Environment

Consolidate to Central System

Finland Police

POLIISI
POLICE OF FINLAND

Connecting 200 disparate databases

Universal Search

Migration Platform

WCC
SMART SEARCH & MATCH

A Technical Perspective Regional Cooperation with National Sovereignty

Data Standards

Standard Interfaces & Transaction Management

Communication Protocols

Protect
Control
Share

Regional Cooperation Starts with Robust, Interoperable National Systems – Each protecting, controlling, and sharing information

Country A → Country B

Country E Country C

Country D

OR

Country A Country B

Country E Country C

Country D
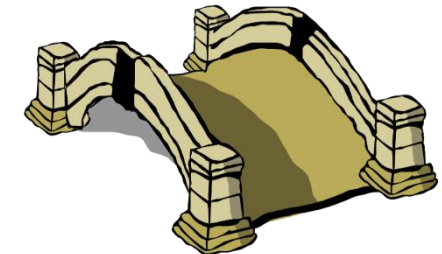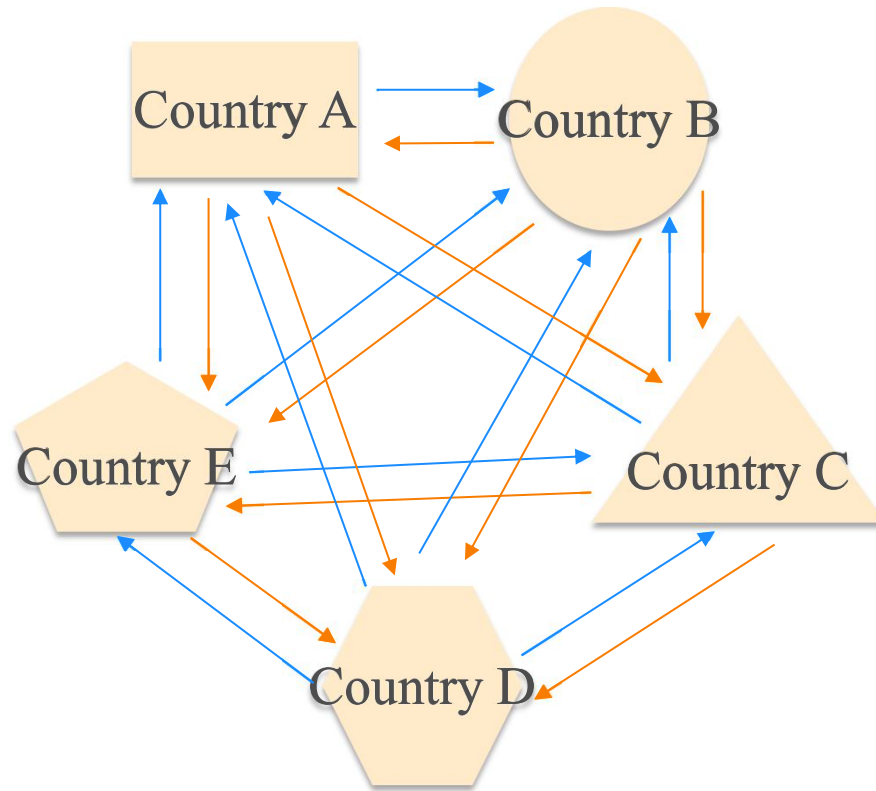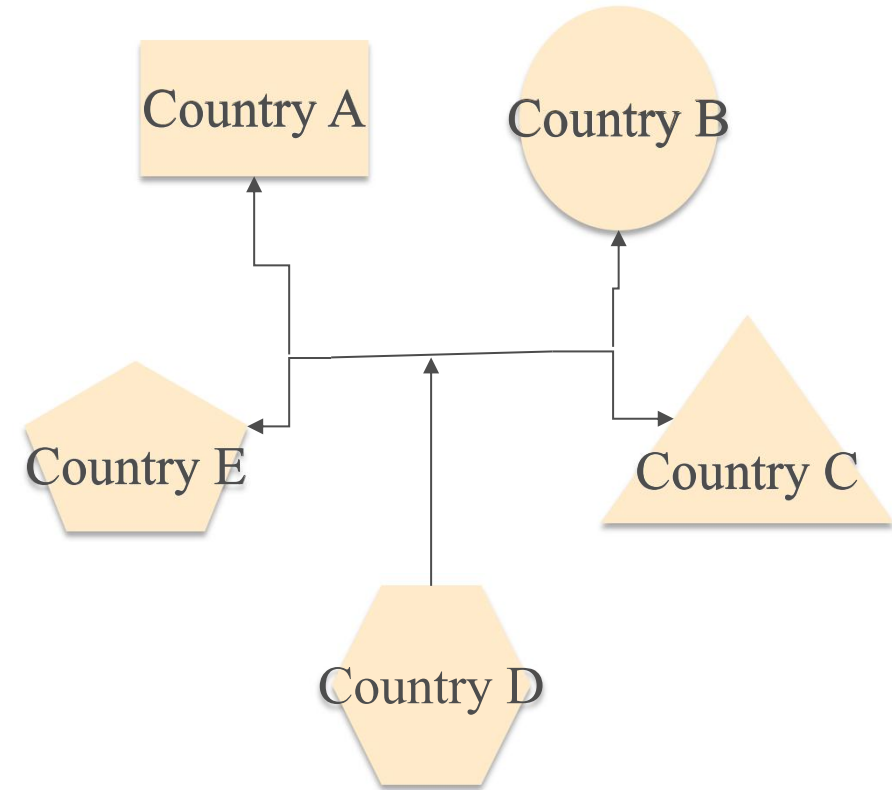
Common Interfaces and Communication Protocols reduce the complexity and cost by magnitudes

Without Standardization – Difficult to cooperate

Examples of Interoperability
From Less to More cooperation

| ICAO Passport	NATO Watch-listing	AAMVA Commercial Driver's License	India UID Aadhaar	EU-LISA Border Management
Interoperable Token ICAO MRZ	Standard Data Formats Published Interfaces	Standard Data Formats Defined Interfaces	Standard Data Formats Published Interfaces Certified Processes	Standard Data Formats Defined Interfaces
Drives Verification Only	Watchlisting and Vetting	Fraud Check	National Transactional Identity Verification	Multi-application for Border Management
No communication between partners	Partners can send information and retrieve information	Partners can send information and retrieve information	Registered Agents can enroll Verification from Source database	All parties are Active Participants
Limited to MRZ reader and verification applications	Can add functionality as need arise	Limited to Commercial Driver's License	Broadly available for Commercial and Government Applications	Systematic addition of capability
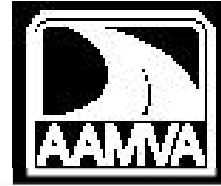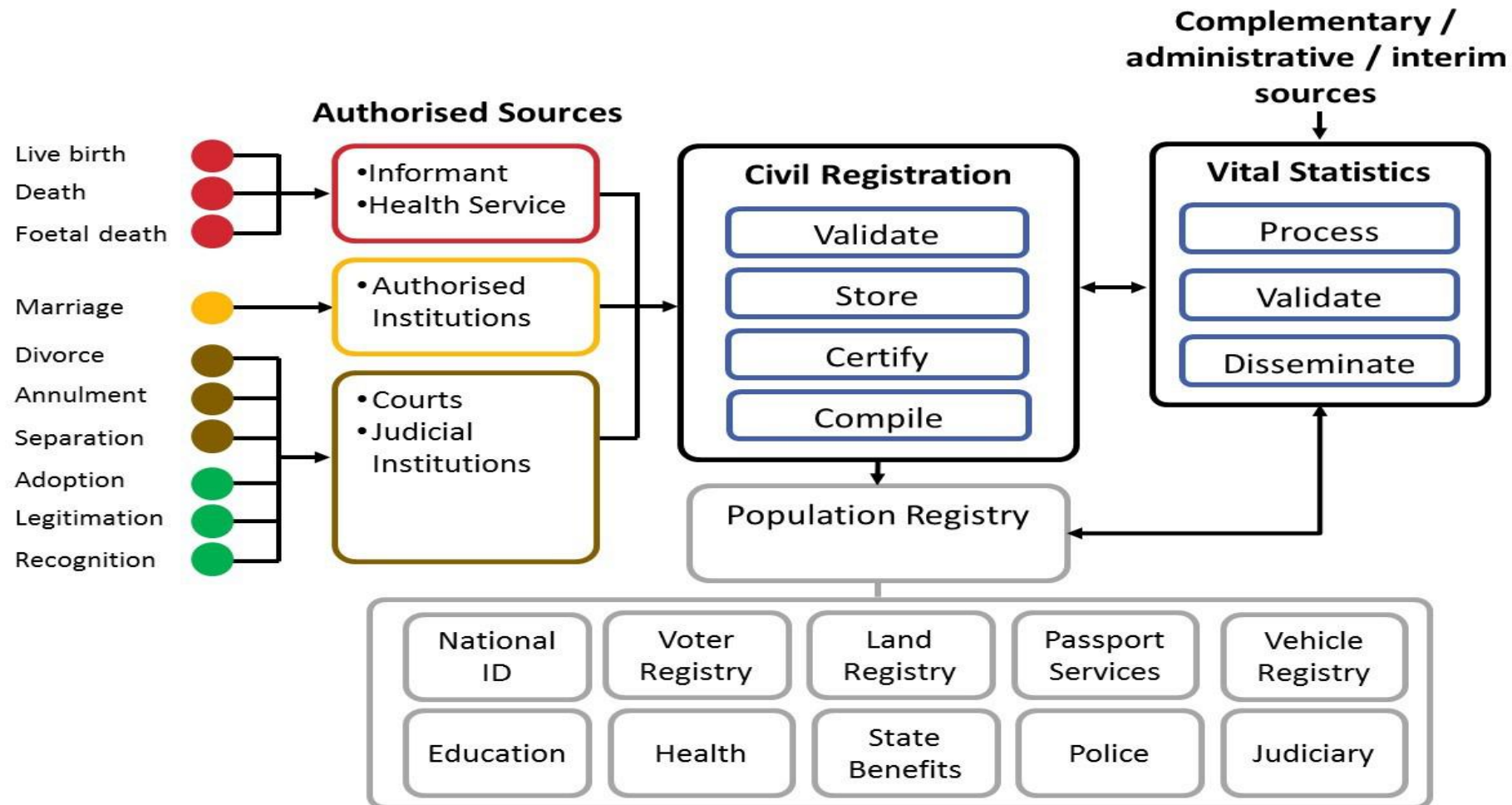
From CVRS Digitization Guidebook
African Programme for Accelerated Improvement of Civil Registration and Vital Statistics

Data Standards

Standard Interfaces and Communication Protocols
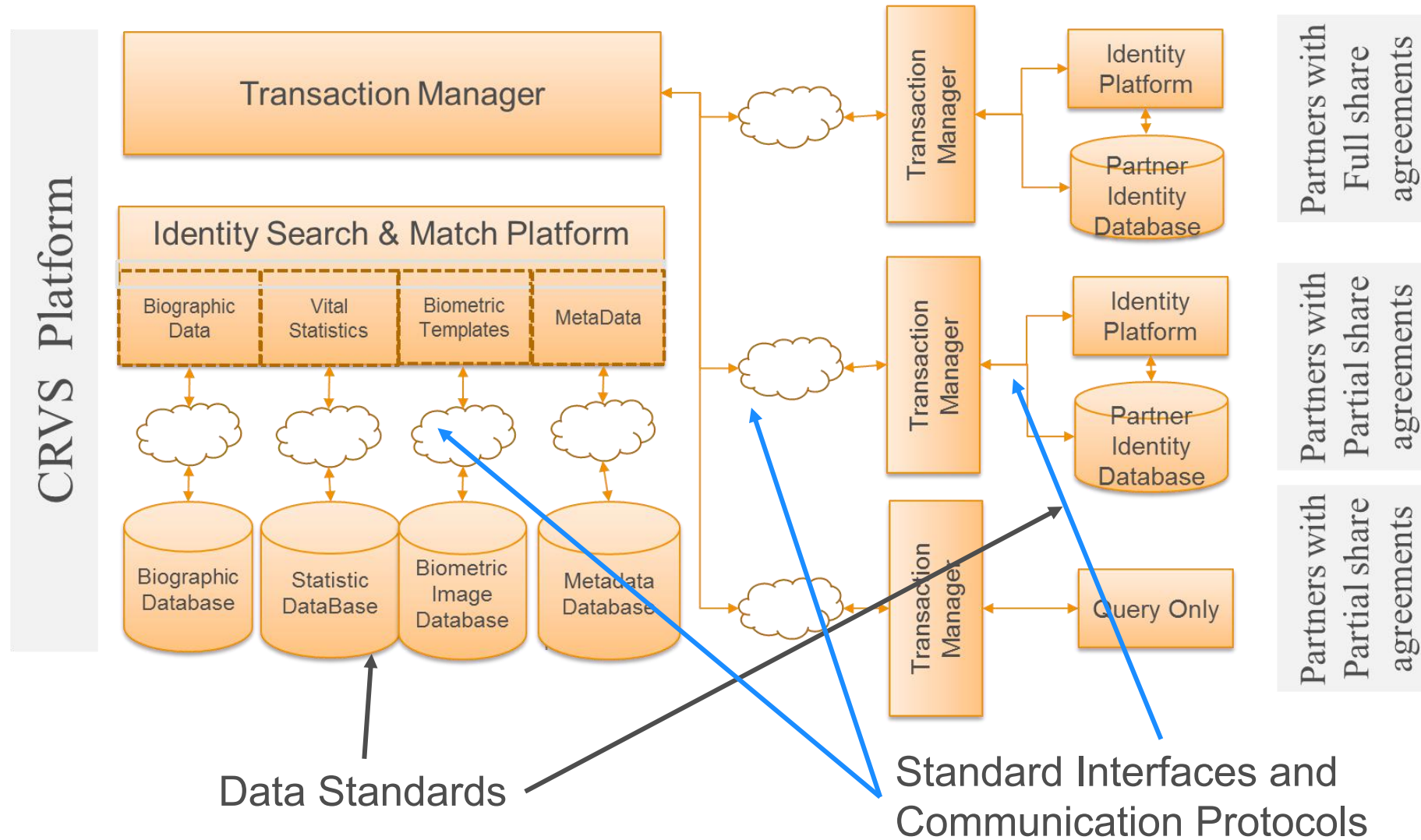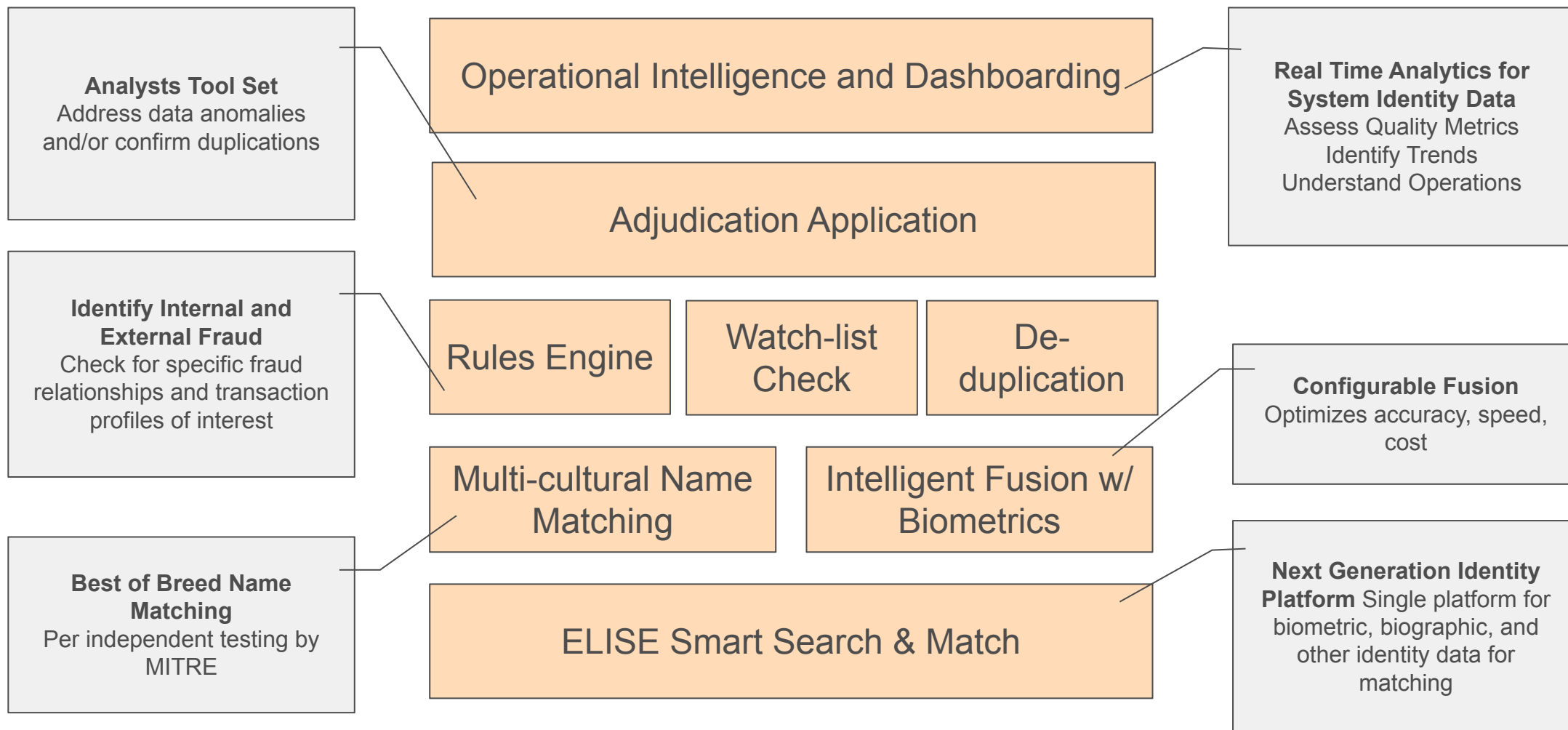
Transaction Manager – A Key Component
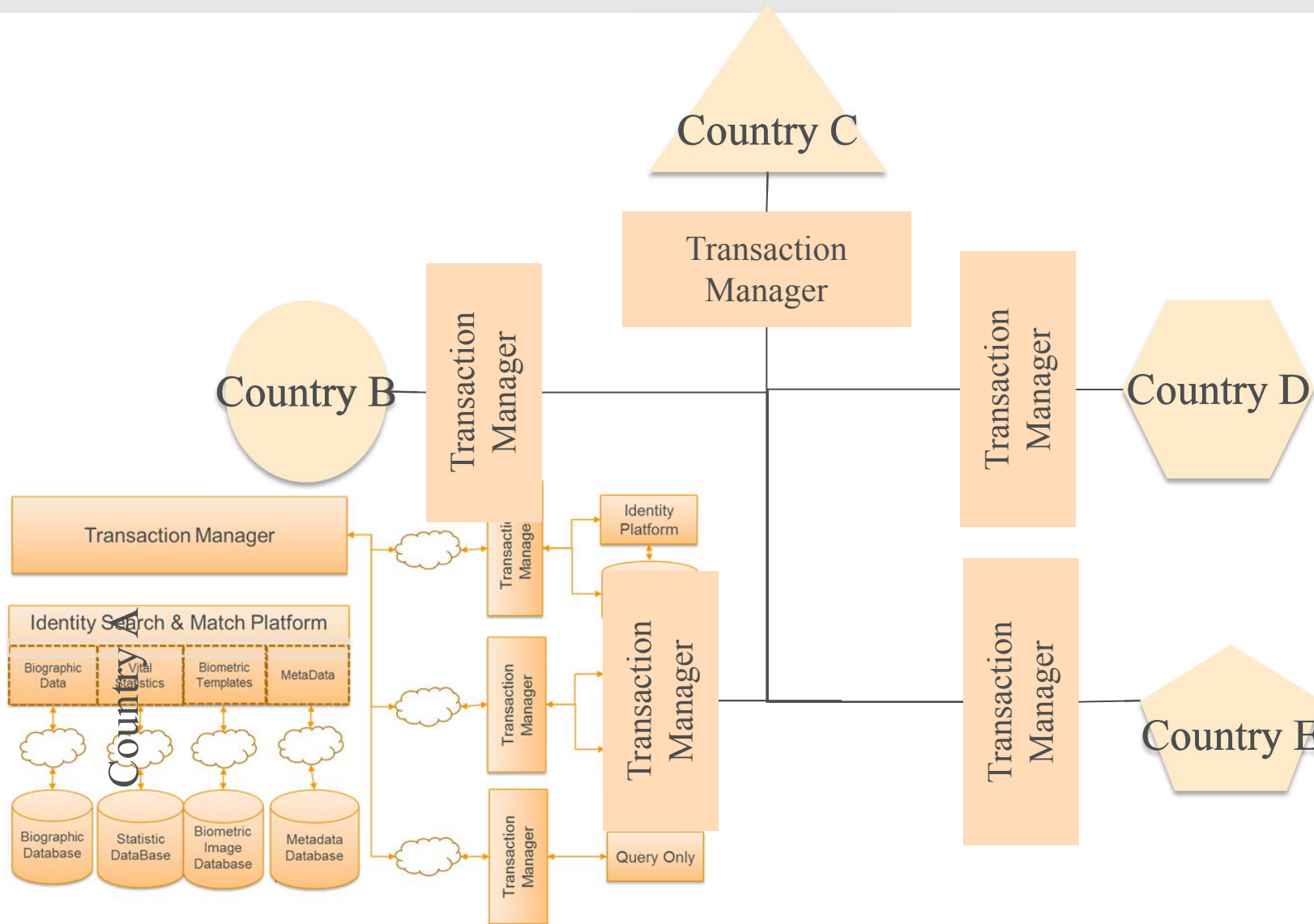
Role of the Transaction Manager:

- **GateKeeper**: Rules Based to accept queries that are allowed and provide results which are authorized.
- **Intelligent Query Manager**: Assess data in Query and parse to appropriate agency sources.
- **Load Balancing and Efficient Scaling**

Key Component – Identity Platform

Analysts Tool Set
Address data anomalies and/or confirm duplications

Identify Internal and External Fraud
Check for specific fraud relationships and transaction profiles of interest

Best of Breed Name Matching
Per independent testing by MITRE

Operational Intelligence and Dashboarding

Adjudication Application

Rules Engine

Watch-list Check

De-duplication

Multi-cultural Name Matching

Intelligent Fusion w/ Biometrics

ELISE Smart Search & Match

Real Time Analytics for System Identity Data
Assess Quality Metrics
Identify Trends
Understand Operations

Configurable Fusion
Optimizes accuracy, speed, cost

Next Generation Identity Platform Single platform for biometric, biographic, and other identity data for matching

The Identity Platform must be able to handle the full array of Identity Operations and Identity Data

SMART SEARCH & MATCH
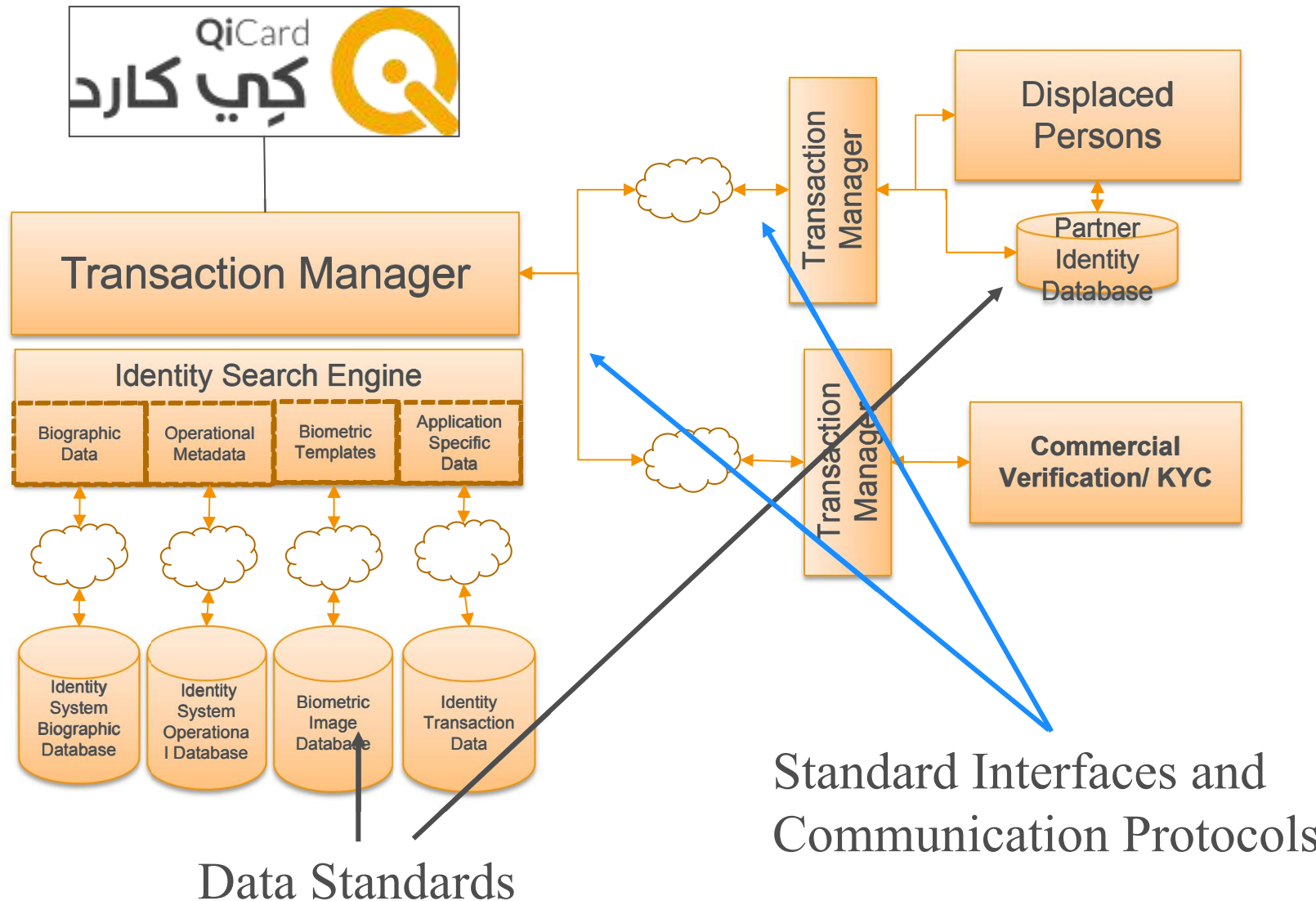
Initial Deployment Based on ROI

Second Deployment enabled efficient reaction by government in times of emergency

Commercial Application enable Transaction Sharing Model – Example KYC requirement

Data Standards

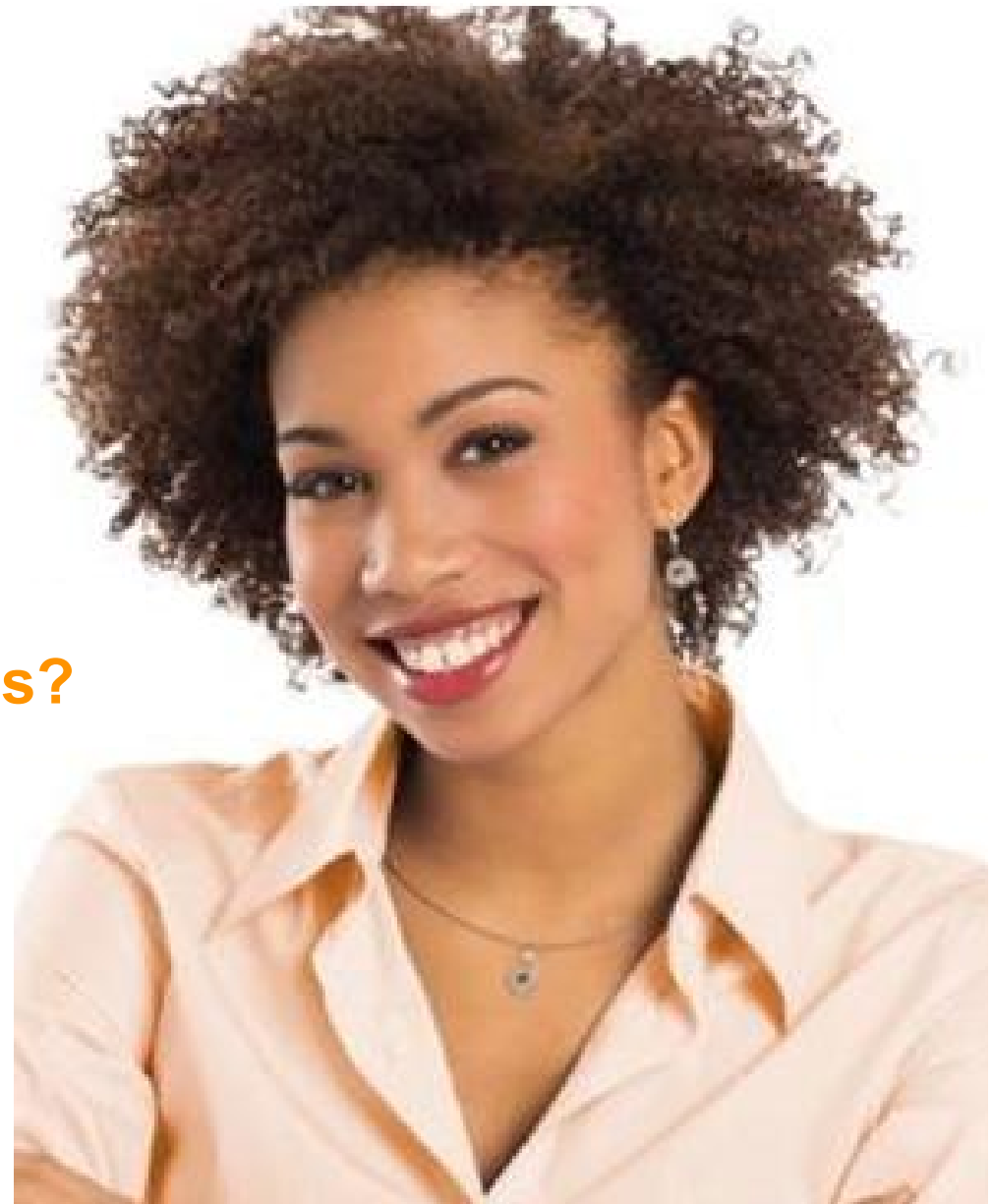Standard Interfaces and Communication Protocols

- **International Interoperability** requires a system that uses a
- **Transaction Manager** using
- **Standard Interfaces** and defined **Communication Protocols**
- With an **Identity Platform** that can handle identity functions on
- All **Identity Data** that is stored with appropriate **international and regional standards**

Tarvinder S. Sembhi
VP Identity Market

tsembhi@wcc-group.com
+1 856 261 8639

Questions?

VISIT OUR BOOTH B32