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DEVELOPMENT AGENCY



Ministry of  
Justice of  
Georgia

# UNIFIED MIGRATION ANALYTICAL SYSTEM (UMAS)

Public Service Development Agency  
Ministry of Justice of Georgia

October 30, 2017  
Geneva, Switzerland



# MAIN TOPICS

- ❑ Migration management in Georgia
- ❑ UMAS goal, concept, and stakeholders
- ❑ UMAS infrastructure
- ❑ UMAS data analysis architecture
- ❑ UMAS progress as of today and sample report
- ❑ Expected deliverables



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# Migration Management in Georgia

State Commission on Migration Issues (SCMI)

Chaired by the Ministry of Justice

12 member state agencies;



MIA



SSG



MRA



MFA



MoH



MoEd



MoF



MoE



MRDI



OSMEAI



GeoStat

12 Consultative Members (IOs, NGOs)



EU



UNHCR



IOM



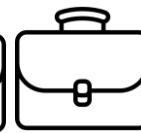
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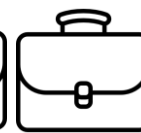
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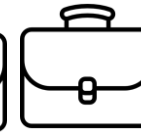
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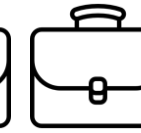
GIZ



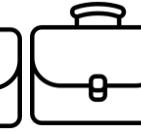
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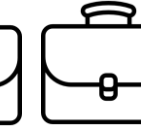
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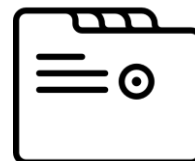
IRC



MC



UNAG



SCMI Secretariat

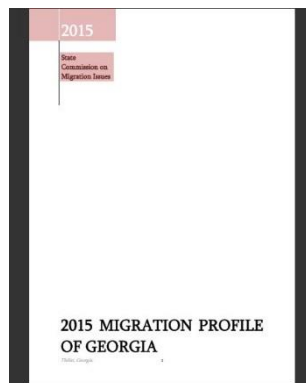


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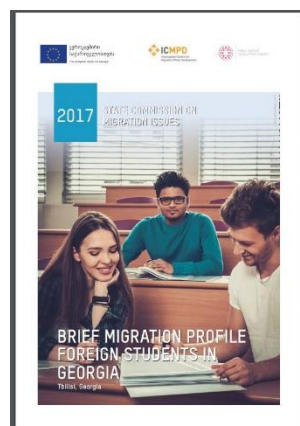
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# Migration Data in Reports



❑ Migration Profile (Medium) 2015.

❑ 2017 MP to be published by the end of 2017.



❑ Brief Migration Profiles 2016 and 2017.

❑ UMAS reports for public and internal use.



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# THE GOAL

“Combine (at 1<sup>st</sup> stage) the immigration-related administrative data stored at different line ministries and state agencies involved in migration management in Georgia and make it available and suitable for migration trend analysis, risk analysis, and forecasting.”

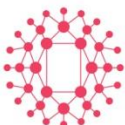
Border  
Management

Civil Registry +

Business  
Registry

Visa System

+ Other administrative registries at line ministries, such as data on international protection in Georgia, educational immigrants, irregular immigrants, revenues collected from non-citizens, labour immigrants and social assistance to non-citizens.

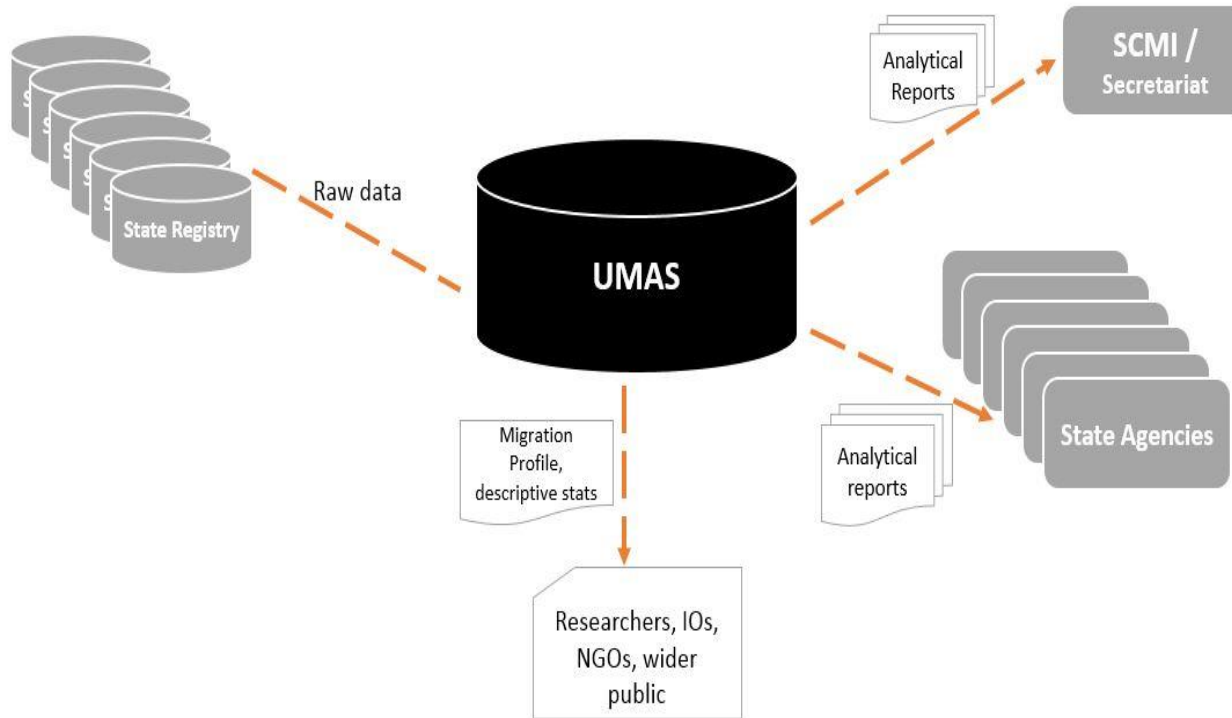


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# THE CONCEPT



- ❑ Linking datasets using person identification algorithms.
- ❑ Apply big data technology for high performance, low cost, and flexibility.



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# PROJECT STAKEHOLDERS



Supervising bodies	System Owner	Data Sources	System Users	Partner Organizations
<input type="checkbox"/> SCMI	<input type="checkbox"/> PSDA (SCMI Secretariat)	<input type="checkbox"/> MIA	<input type="checkbox"/> SCMI	<input type="checkbox"/> IOM
<input type="checkbox"/> GoG		<input type="checkbox"/> SSG	<input type="checkbox"/> Data source agencies	<input type="checkbox"/> ICMPD
<input type="checkbox"/> PDP		<input type="checkbox"/> PSDA		
<input type="checkbox"/> EU		<input type="checkbox"/> NAPR		
		<input type="checkbox"/> MoF		
		<input type="checkbox"/> MFA	<input type="checkbox"/> Other state agencies (incl. GeoStat)	
		<input type="checkbox"/> MRA		
		<input type="checkbox"/> MoESc		
		<input type="checkbox"/> MoLHSA		

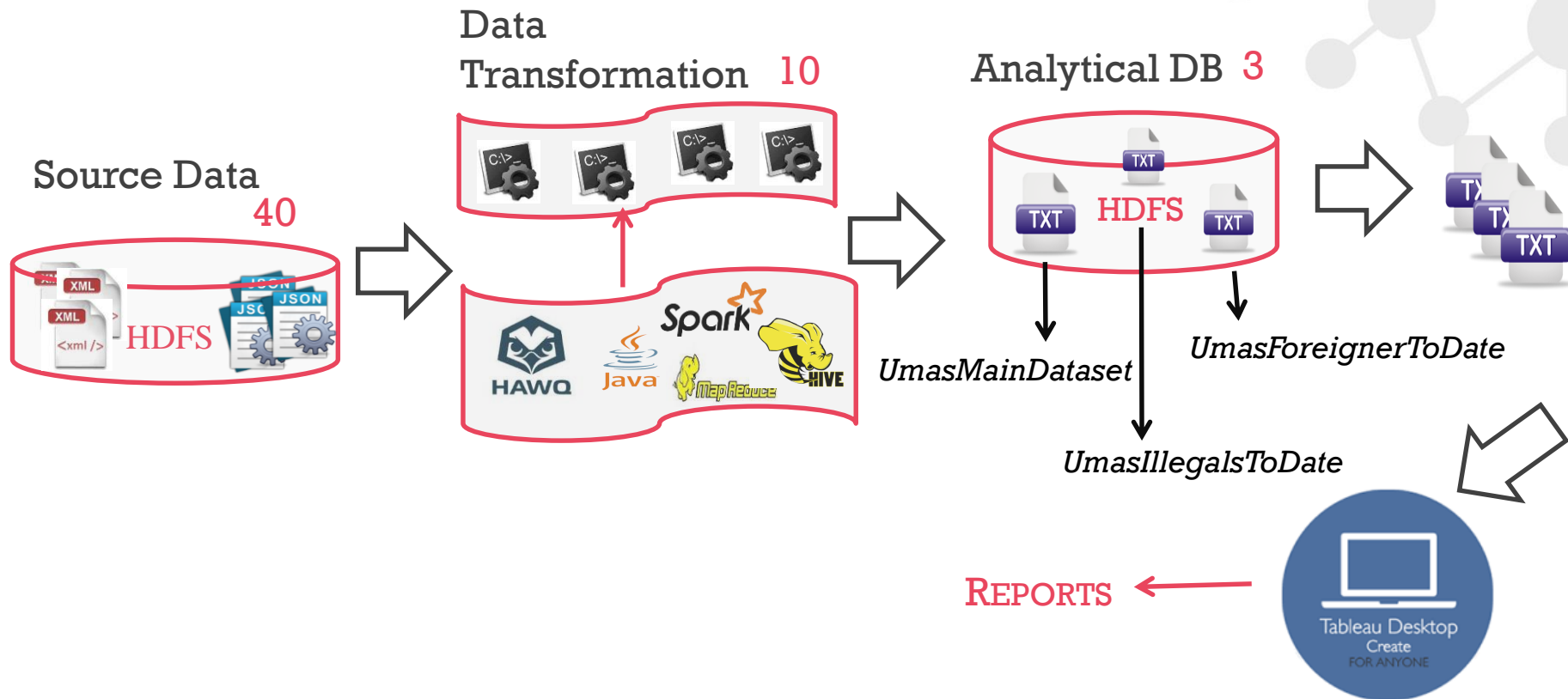


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# SYSTEM ARCHITECTURE, TEC. SOLUTION USED



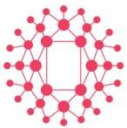
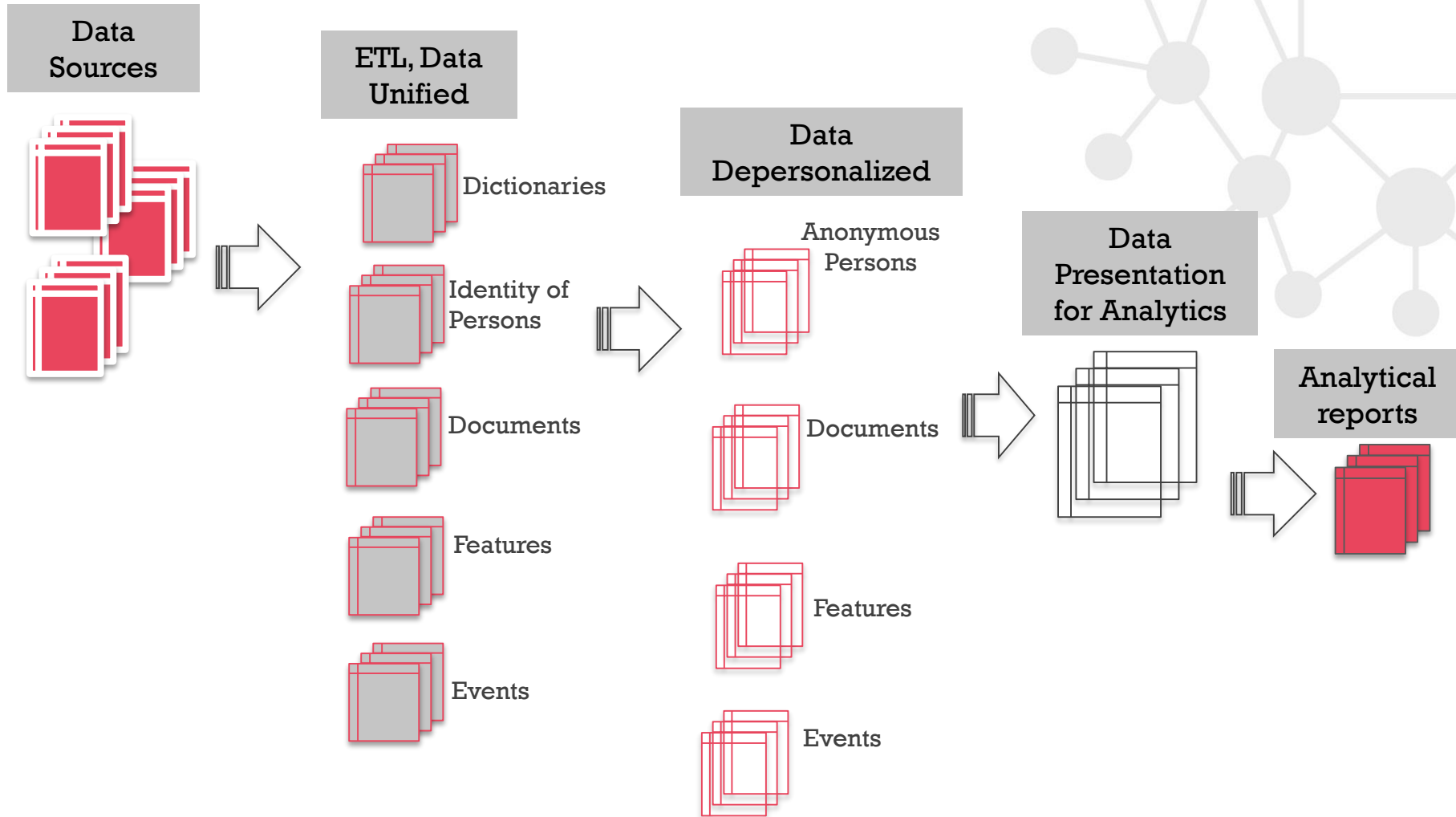
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# DATA TRANSFORMATION

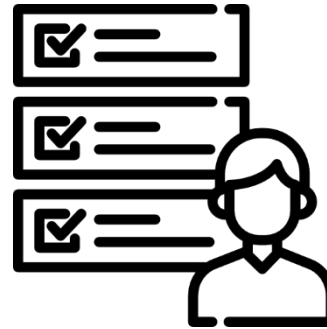


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# PROGRESS 2014 - PRESENT



Project  
concept  
developed

Legal  
framework  
adjusted

Project  
team  
staffed

Data  
sources  
secured

System  
trial  
version

Test  
analytical  
reports

Real  
reports  
produced

System  
concept  
revisited

Team  
staffing  
ongoing



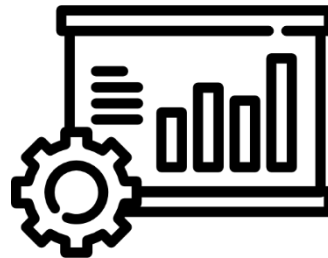
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# SAMPLE REPORT IN TABLEAU



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# EXPECTED DELIVERABLES

## Informed Policy Making

Issue specific  
analytic reports

Regular  
BI  
analysis

Filled in data  
gaps

Capacity  
building

Improved  
data  
management

### **SPECIFIC PRODUCTS:**

- ☐ Feed the Migration Profile(s);
- ☐ Source for Migration Risk Analysis WG;
- ☐ Issue reports for decision-makers;
- ☐ Data source for GeoStat;
- ☐ Introduction of common data storage standards;
- ☐ Recommendations for state agencies on data security, management, and administration.

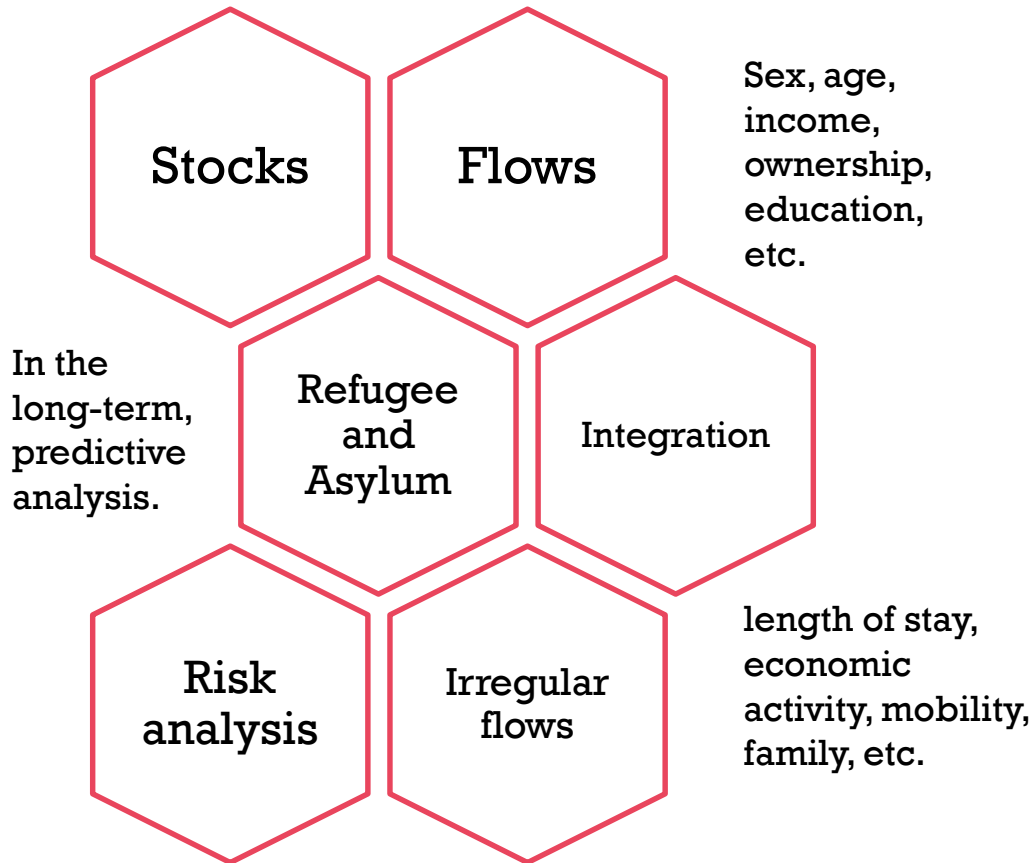


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# ANALYTICAL REPORTS



## UNDERLYING PROCESSES:

- ☐ Regular dialogue with stakeholders to:
  - ☐ understand & shape their needs and expectations;
  - ☐ 'generate demand';
  - ☐ keep them involved in data quality and management issues;
- ☐ Revisiting and refining system architecture and algorithms;
- ☐ Institutionalizing UMAS at PSDA;
- ☐ Building a team of analysts;
- ☐ Adding new data sources;



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# THANK YOU

SECRETARIAT OF  
THE STATE COMMISSION ON MIGRATION ISSUES (SCMI)

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