Countywide Data Efforts Updates

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January 20, 2022

Setting the Stage

- Building blocks of Information and Knowledge

- Governance of Data
  - Synergy across partners

- Resources for Data
  - Information Frameworks/Programs/Applications

- Today's Data Focus: Data Analytics and Data Sharing
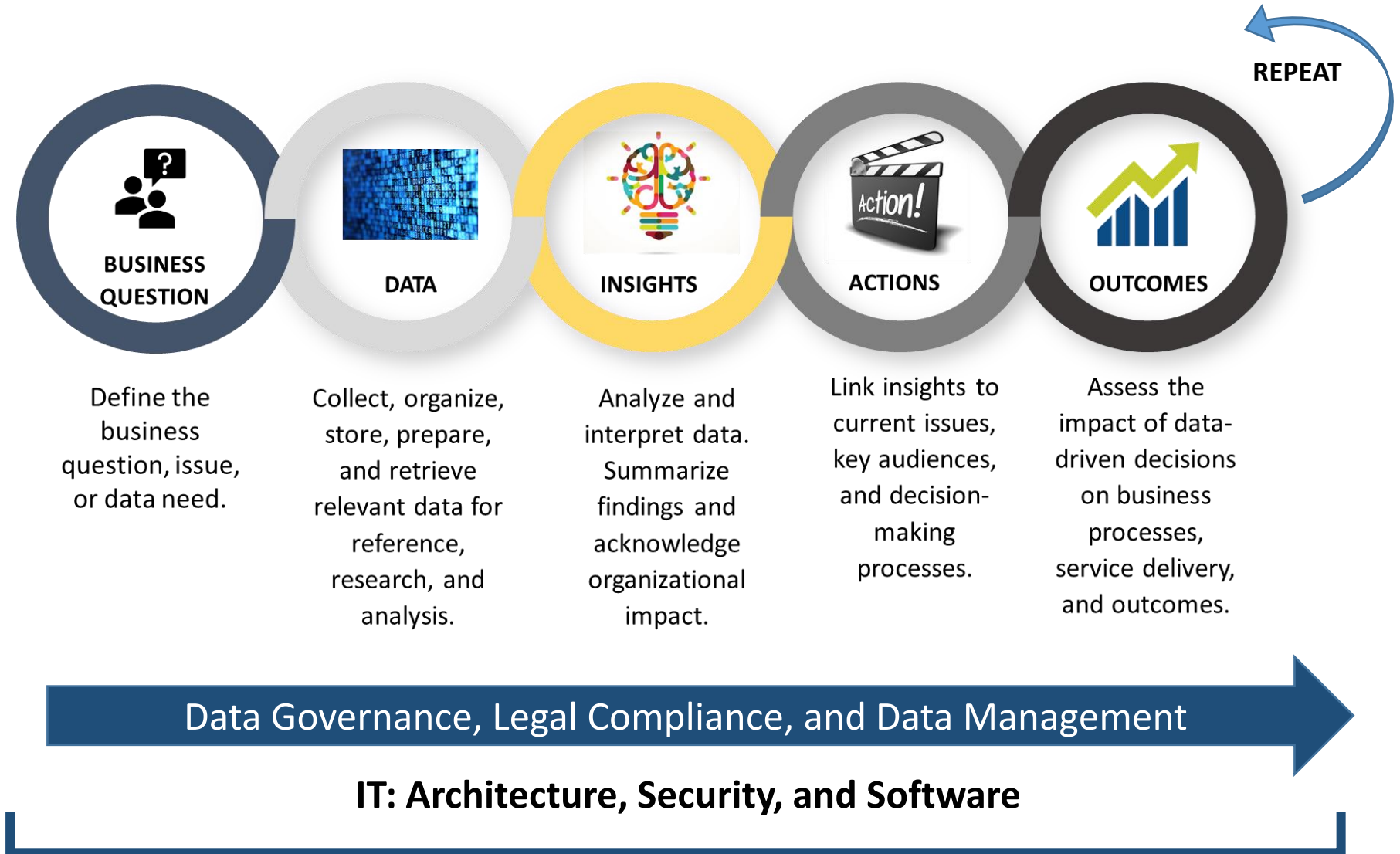
Countywide Data Analytics Unit: Role

Develop policies, practices, data products and tools that increase the routine use of data for planning, problem-solving, and decision-making.

- **Increase access** to relevant data for self-service and reuse.

- **Produce actionable information** to inform priorities and guide efforts.

- Foster **continuous improvements** in the analysis, disaggregation, and dissemination of data for greater interpretation, evaluation, and accountability.

Collaborate with county partners and other stakeholders

Data Analytics Framework

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Guidelines and structure for consistent, repeatable data analytics

REPEAT

BUSINESS QUESTION
Define the business question, issue, or data need.

DATA
Collect, organize, store, prepare, and retrieve relevant data for reference, research, and analysis.

INSIGHTS
Analyze and interpret data. Summarize findings and acknowledge organizational impact.

ACTIONS
Link insights to current issues, key audiences, and decision-making processes.

OUTCOMES
Assess the impact of data-driven decisions on business processes, service delivery, and outcomes.

Data Governance, Legal Compliance, and Data Management
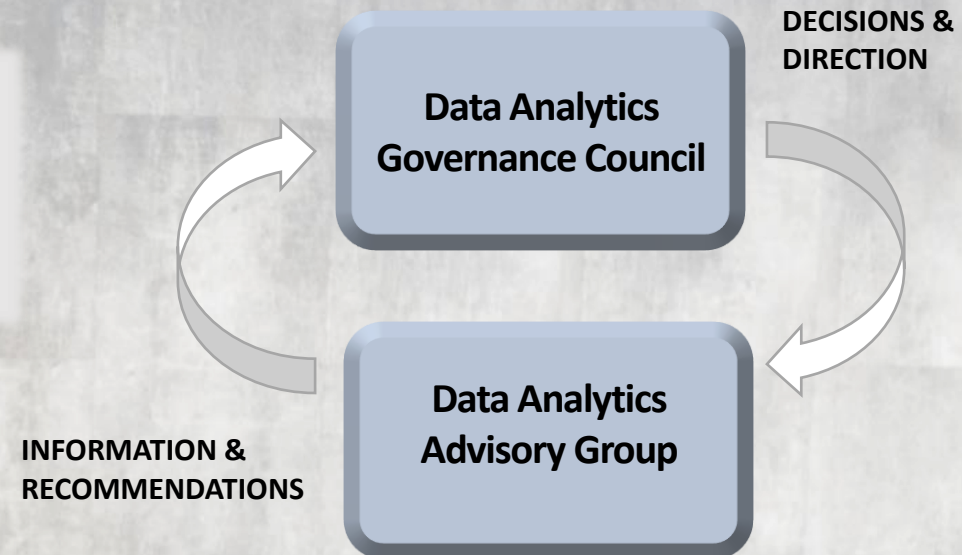
IT: Architecture, Security, and Software

Building a Data Analytics Framework

- **Develop a data management plan –** Outline activities, protocols, processes, resources, and stakeholders necessary to capture, store, organize, disaggregate, analyze, report, reuse, protect, and discard data assets routinely.

- **Establish enterprise data governance –** Define and document the related data policy and practices to guide enterprise data management and data analytics. Include a structure for legal review, accountability, and decision-making.

- **Create the technological infrastructure and environment –** Provide the enabling technical architecture, security, hardware, software, scalable environment, and business support framework to store, retrieve, manipulate, and share data.

Data Analytics Governance Structure

The foundation includes a two-tiered structure, informed by staff and stakeholder needs.

DECISIONS & DIRECTION

Data Analytics Governance Council

Data Analytics Advisory Group

INFORMATION & RECOMMENDATIONS

Supporting the Analytics Framework
Operational Strategy

- Implementation of data management policies
- Countywide access to business intelligence tools
- Increased supported/facilitated training for agencies
- Changing dynamics of agency partnerships
- Technology architecture

Supporting the Analytics Framework
Technical Strategy

- Enterprise-Class Applications
  - Modernizing legacy applications
  - Bringing quasi-apps to enterprise standards
  - Connecting siloed data with standardization efforts

- Procurement Approach
  - Data access/ownership
  - Partnerships with business area

- Center of Excellence Model

Supporting the Analytics Framework
Building/Sustaining Partnerships for Data Analytics

- Sharing information management strategies and documentation

- Leveraging enterprise information assets to illustrate data insights

- Acknowledging and supporting mutual information and data challenges and goals
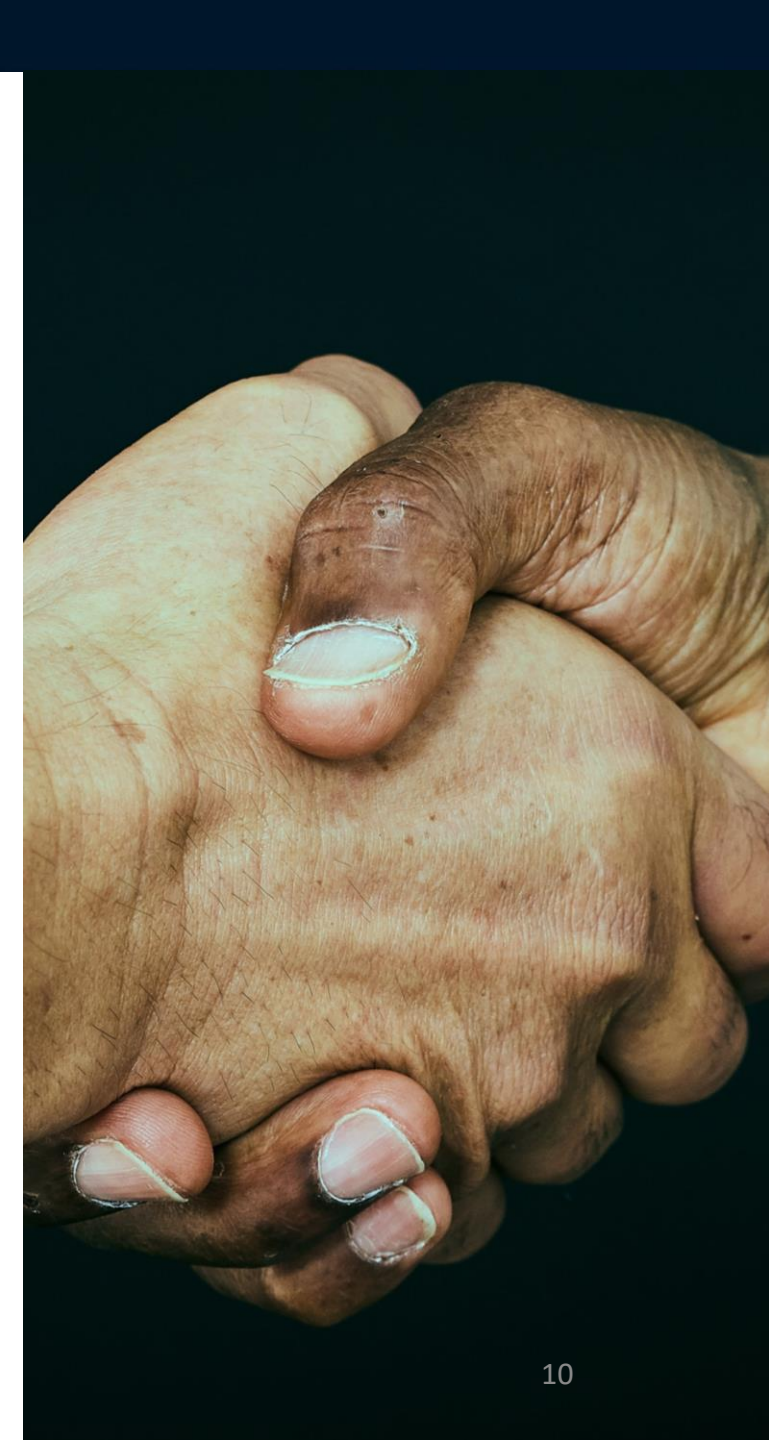
Data Analytics/Data Sharing:
Enterprise Agreements

- Support data sharing between agencies

- Build capacity in the County's analytical capabilities

- Foster sustainable partnerships

- Incorporate legal requirements

Enterprise Memorandum of Understanding (EMOU)

Fairfax County and GMU Memorandum of Understanding

Data Analytics/Data Sharing:
Outcome Evaluation

Inform Strategic Plan indicators and metrics

- Provide information about progress being made towards addressing community outcome areas

- Disaggregate and analyze data to assess opportunities for equitable outcomes
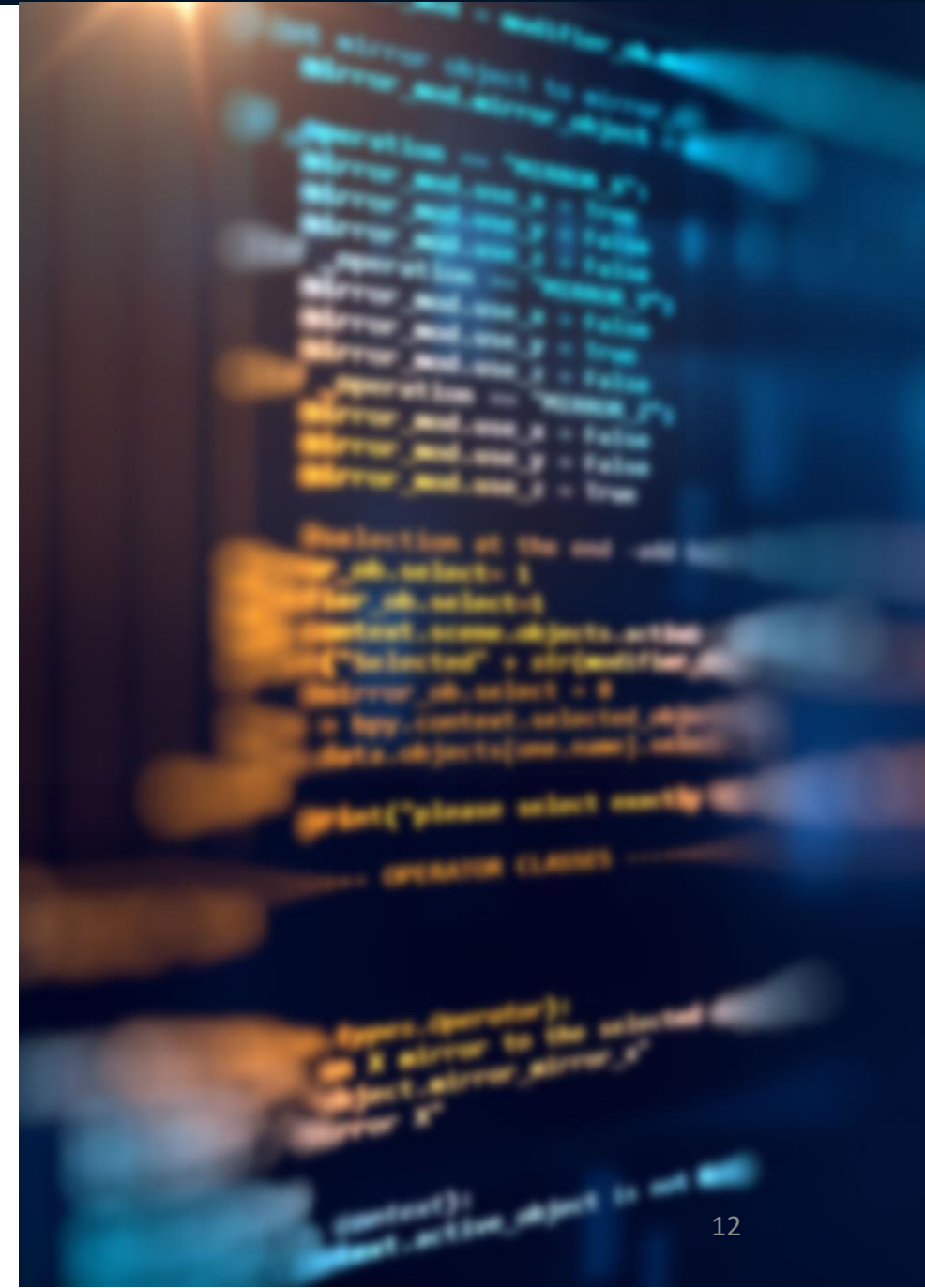
- Develop narrative to communicate the impact

Data Analytics/Data Sharing:
Current Initiatives

Asset Inventory

- Identify data stewards and the types of data

Standardize demographic data collection

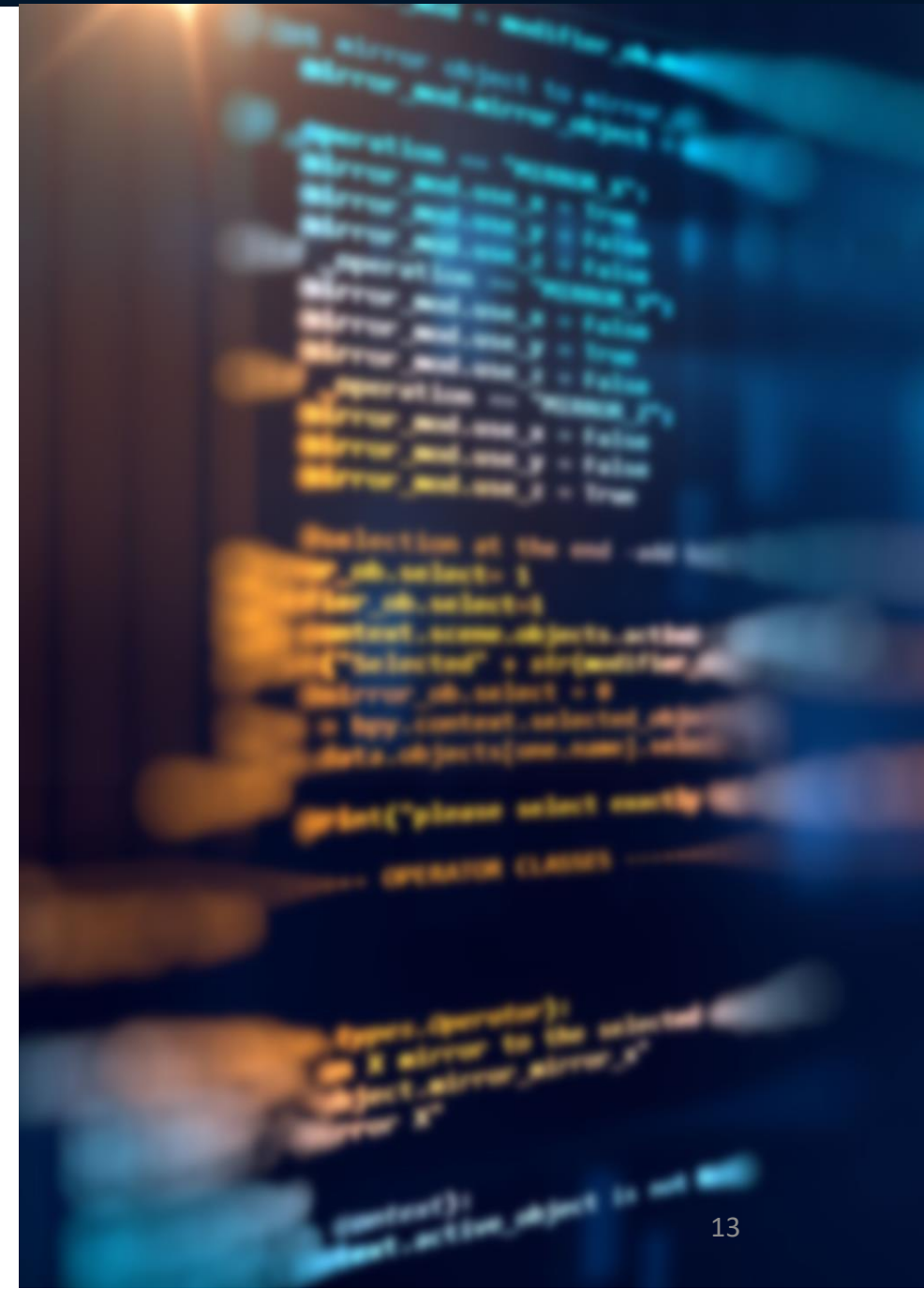- Develop standards to consistently collect race, ethnicity and gender data

Data Analytics/Data Sharing:
Current Initiatives

Application Inventory

- Attributes and meta data on all County applications

Evaluation and Establishment of Enterprise Resources

- Esri, Microsoft, etc.

Questions?