

# Building a Comprehensive Data Governance Framework: A Strategic Initiative by the Turkish Statistical System

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Section 1

# Introduction to TurkStat and Data Governance

TurkStat's Mission

# Ensuring Quality and Accessibility in Official Statistics

The Turkish Statistical Institute (TurkStat) has been the producer and coordinator of Türkiye's official statistics since 1926. Its mission is **to produce and make available high-quality, up-to-date, reliable, consistent, impartial and internationally standardized statistics** to support decision-making processes and policy-making.





Importance of Data  
Governance

# Data Revolution

In today's world, data governance is crucial to manage the ongoing **data revolution** and transform the Turkish Statistical System into a data governance ecosystem aligned with modern standards.



TurkStat's Strategic Plan

# Vision for the Future

TurkStat's vision for 2024-2028 is ***to be a pioneering institution in data governance***, expanding its activities to develop a national data governance policy and framework.



Section 2

# Components of the Data Governance Framework

## Data Governance Framework Component #1

# Policy, Guidelines & Regulations

TurkStat's data governance framework emphasizes **clear policies, guidelines and regulations** aligned with the institutional vision and strategic objectives.

- Vision and Mission
  - Strategic Plan and Goals
- Roles and Responsibilities
  - Boards
  - Data Authority
  - Institutions
- Data Ethics
  - Transparency
  - Audit
- Data Security and Privacy
  - Privacy and Security Policies and Procedures
- Data Access and Sharing
  - National Data Access and Sharing
  - International Data Access and Sharing
  - Microdata
- Quality
  - Standards and Metrics
- Monitoring, Evaluation and Continuous Improvement
- Risk management
- Finance and Budget



# Data Management

The framework focuses on **data storage, security, metadata management and quality assurance** to ensure data integrity and usability.

- Management of Data
  - Data Storage Management
  - Security Management
- Metadata Management
  - Data and Metadata Catalogue Management
  - Code System and Classifications
  - Data Standardization
- Data Quality Management
- Statistical Business Process Management
  - Specify Needs
  - Design
  - Build
  - Collect
  - Process
  - Analyse
  - Disseminate
  - Evaluate

# Data Culture

Cultivating a data-driven culture is prioritized through ***initiatives promoting data literacy, governance awareness and technological proficiency.***

- Data Literacy
  - Digital Competence
  - Statistical Literacy
- Data Governance Awareness

## Technology & Infrastructure

The framework addresses the **hardware, software, networks and connectivity** needed to effectively manage and analyze data.

- Hardware
- Software
  - Open Source Structures
  - Licensed
  - In-house Solutions
- Networks and Connections

## Interoperability & Communication

***Interoperability and partnerships*** form a cornerstone of the framework, encouraging national and international stakeholder cooperation and integration with diverse data ecosystems.

- User Engagement
- Interoperability and Reusability
- Partnerships
  - National
  - International



Section 3

# Data Governance Framework Platform



## TÜİK Veri Yönetişimi

## Veri Yönetişimi Bileşenleri

## Tanımlar

- 1. Politika, Rehberler ve Mevzuatlar >
- 2. Veri Yönetimi >
- 3. Veri Kültürü >
- 4. Teknoloji ve Altyapı >
- 5. Birlikte Çalışılabilirlik ve İletişim >
- Dosyalar >
- Veri Yönetişimi Sözlüğü >

## Veri Yönetişimi Bileşenleri

1. Politika, Rehberler ve Mevzuatlar	2. Veri Yönetimi	3. Veri Kültürü	4. Teknoloji ve Altyapı	5. Birlikte Çalışılabilirlik ve İletişim
<b>1.1. Vizyon ve Misyon</b>	<b>2.1. Verilerin Yönetimi</b>	<b>3.1. Veri Okuryazarlığı</b>	<b>4.1. Donanım</b>	<b>5.1. Kullanıcı Katılımı</b>
1.1.1. Stratejik Plan ve Hedefler	2.1.1. Veri Depolama Yönetimi	3.1.1. Dijital Yeterlilik	4.2. Yazılım	5.2. Birlikte Çalışılabilirlik ve Yeniden Kullanılabilirlik
<b>1.2. Roller ve Sorumluluklar</b>	<b>2.1.2. Güvenlik Yönetimi</b>	3.1.2. İstatistik Okuryazarlığı	4.2.1. Açık Kaynak Yapıları	<b>5.3. Ortaklıklar</b>
1.2.1. Kurullar	<b>2.2. Metaveri Yönetimi</b>	<b>3.2. Veri Yönetişimi Farkındalığı</b>	4.2.2. Lisanslı	5.3.1. Ulusal
1.2.2. Veri Otoritesi	2.2.1. Veri ve Metaveri Katalog Yönetimi		4.2.3. Kurumsal Çözümler	5.3.2. Uluslararası
1.2.3. Kurumlar	2.2.2. Kod Sistemi ve Sınıflandırmalar		<b>4.3. Ağlar ve Bağlantılar</b>	
<b>1.3. Veri Etiği</b>	2.2.3. Veri Standardizasyonu			
1.3.1. Şeffaflık	<b>2.3. Veri Kalitesi Yönetimi</b>			
1.3.2. Denetim	<b>2.4. İstatistiksel İş Süreçleri Yönetimi</b>			
<b>1.4. Veri Güvenliği ve Gizliliği</b>	2.4.1. İhtiyaç Belirleme			
1.4.1. Gizlilik ve Güvenlik Politikaları ve Prosedürleri	2.4.2. Tasarlama			
<b>1.5. Veri Erişimi ve Paylaşımı</b>	2.4.3. Yapılandırma			
1.5.1. Ulusal Veri Erişim ve Paylaşımı	2.4.4. Veri Toplama			
1.5.2. Uluslararası Veri Erişim ve Paylaşımı	2.4.5. Veri İşleme			
1.5.3. Mikroveri	2.4.6. Veri Analitiği			
<b>1.6. Kalite</b>	2.4.7. Veri Dağıtım			
1.6.1. Standartlar ve Metrikler	2.4.8. Değerlendirme			
<b>1.7. İzleme, Değerlendirme ve Sürekli İyileştirme</b>				
<b>1.8. Risk Yönetimi</b>				
<b>1.9. Finans ve Bütçe</b>				

## Benefits of the Platform

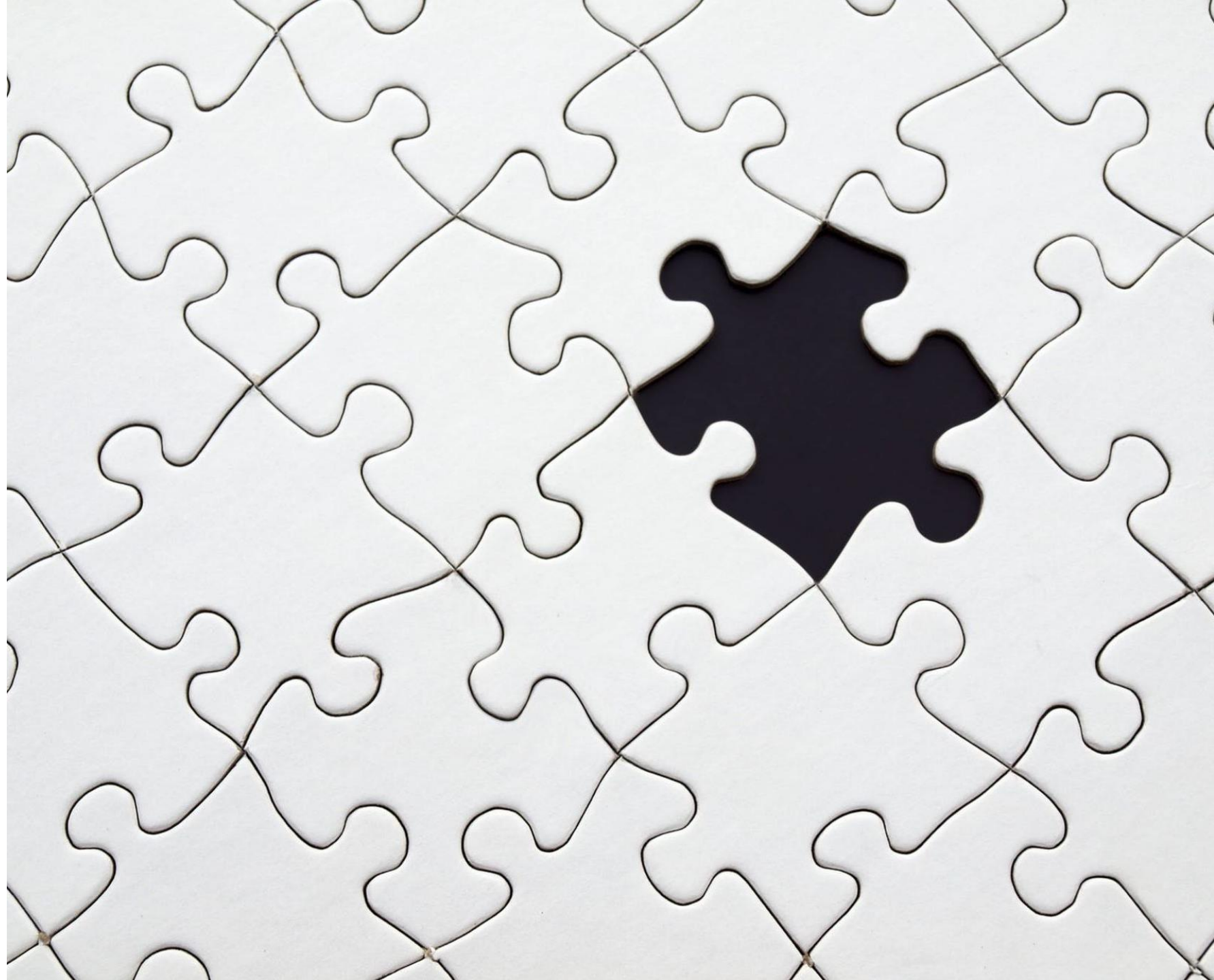
# Central Hub for Governance

The data governance platform facilitates effective decision-making, transparency, collaboration and compliance monitoring.

Observing Gaps and Sharing

# Identifying Gaps

The platform provides an opportunity to observe gaps in the data governance framework and share it with partners, ensuring continuous improvement.



Section 4

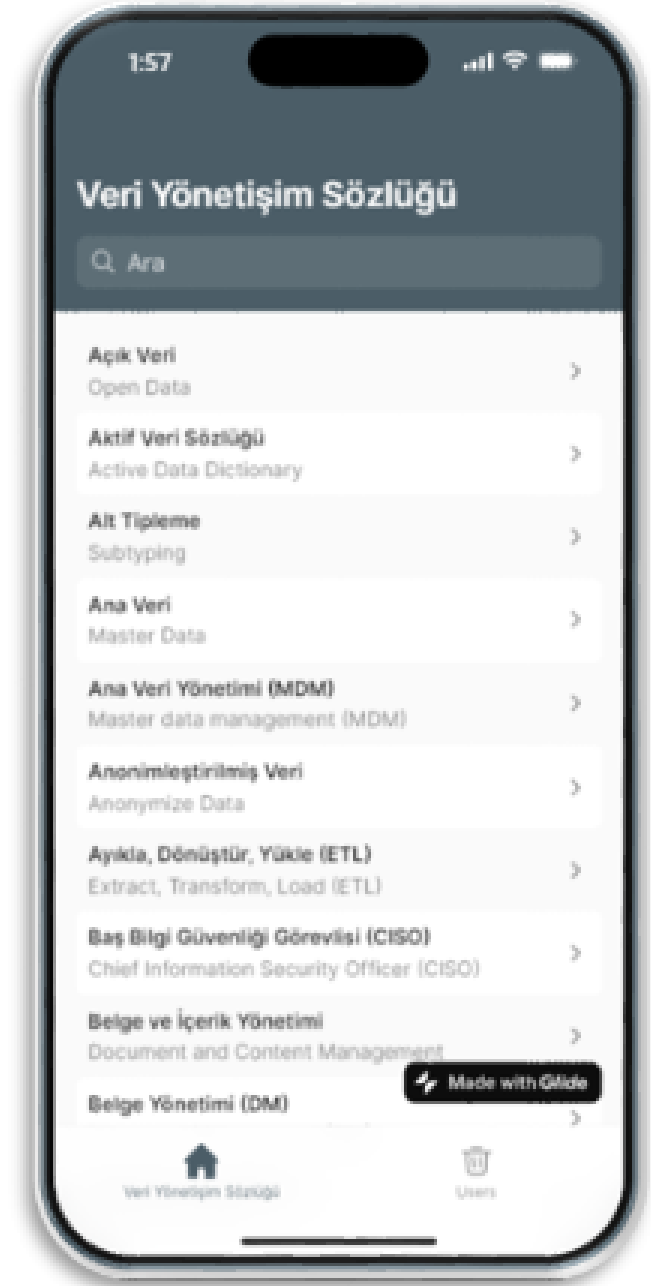
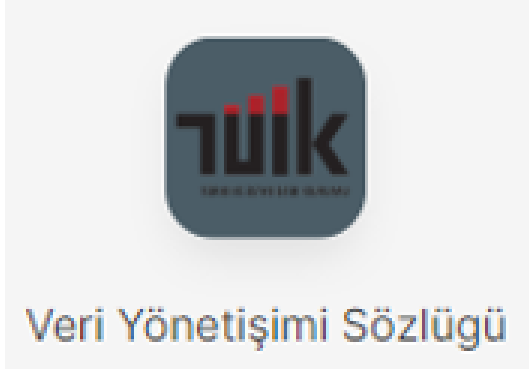
# Data Governance Glossary



Importance of the Glossary

# Promoting Clarity and Consistency

The data governance glossary in Turkish and English offers standardized terms and definitions, promoting transparency and collaboration.



Creation Process

# Standardized Terminology

The glossary is created by reviewing national and international literature, prioritizing international and official terms and individualizing glossary terms accordingly.



Section 5

# Conclusion and Future Implications



Future Implications

# Establishing a Data-Driven Culture

TurkStat's efforts contribute to making Türkiye's official statistics more reliable, accessible, and useful, with the potential to transform Türkiye into a data-driven economy.





National Data Governance  
Ecosystem

## Continued Efforts

The importance of TurkStat's studies and the benefits to be achieved through a national data governance ecosystem are highlighted, including informed decision systems, reduced costs and risks, and a data-driven culture.





Future Collaborations

# Building a Better Future

TurkStat continues its data governance efforts with all stakeholders to realize Türkiye's data potential and build a better future.



# Thoughts? **Questions?**

Thank you for the feedback and discussion.

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