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Implementing UNDESA Data Governance Framework in Ethiopia – its Success and Challenges

National Data Governance Workshop The Gambia

3- 4 February 2025
Banjul

Mesfin Kifle (PhD)
Associate Professor, Department of
Computer Science
Addis Ababa University

Abere Shiferaw
Regional Consultant
UNDESA



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Background

- Population = 120 million (will be 150m by 2030)
- 1,112,000 square kilometres (472,000 sq. miles).

75.6M

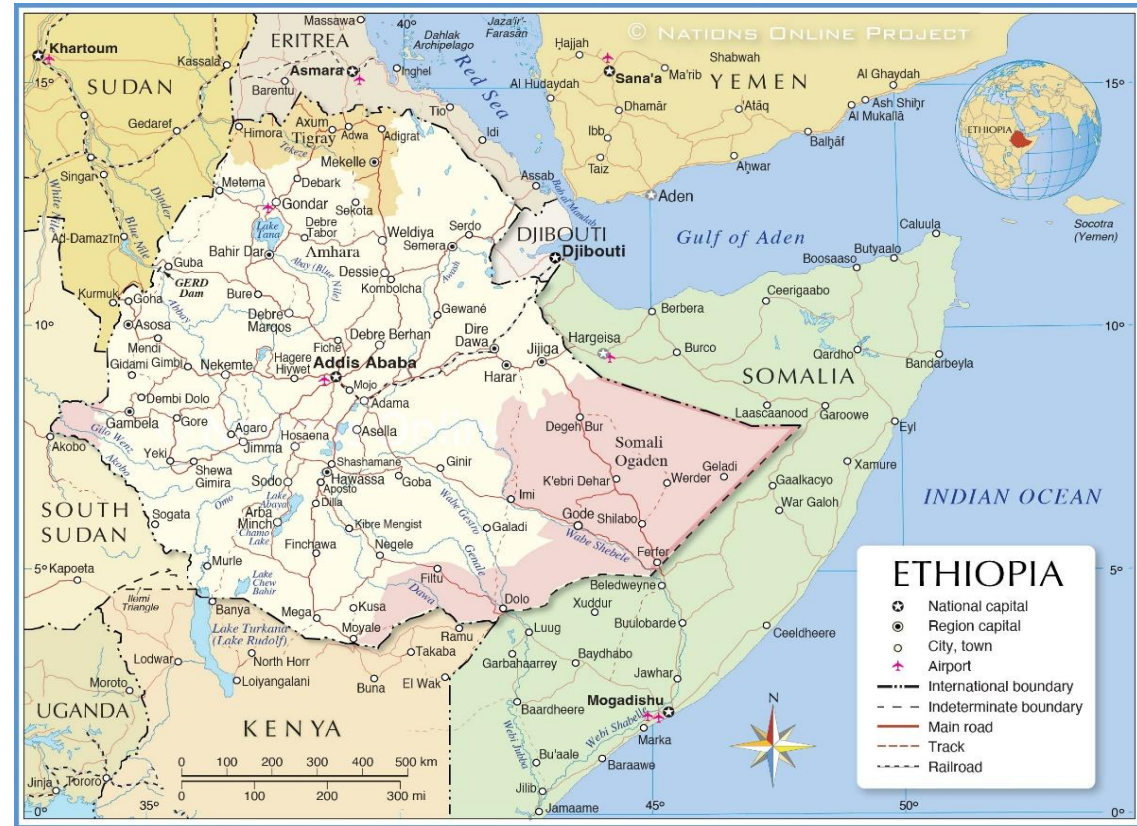
Mobile Voice Subscribers

40.4M

Data and Internet Users

78.3M

Total Customers (As of June 2024)



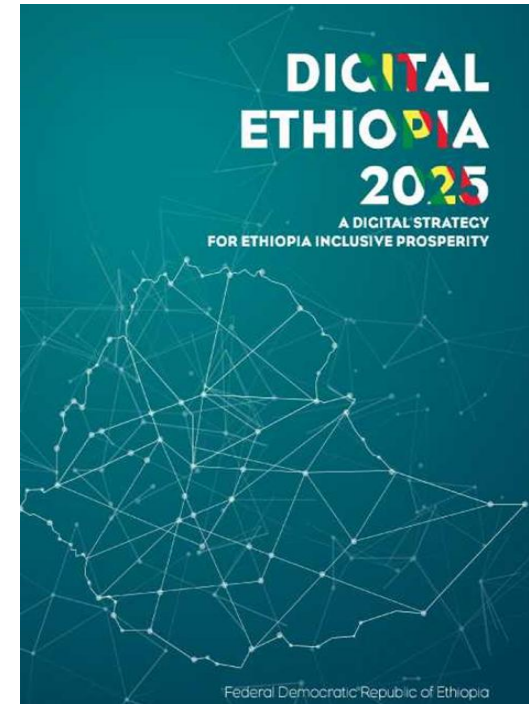
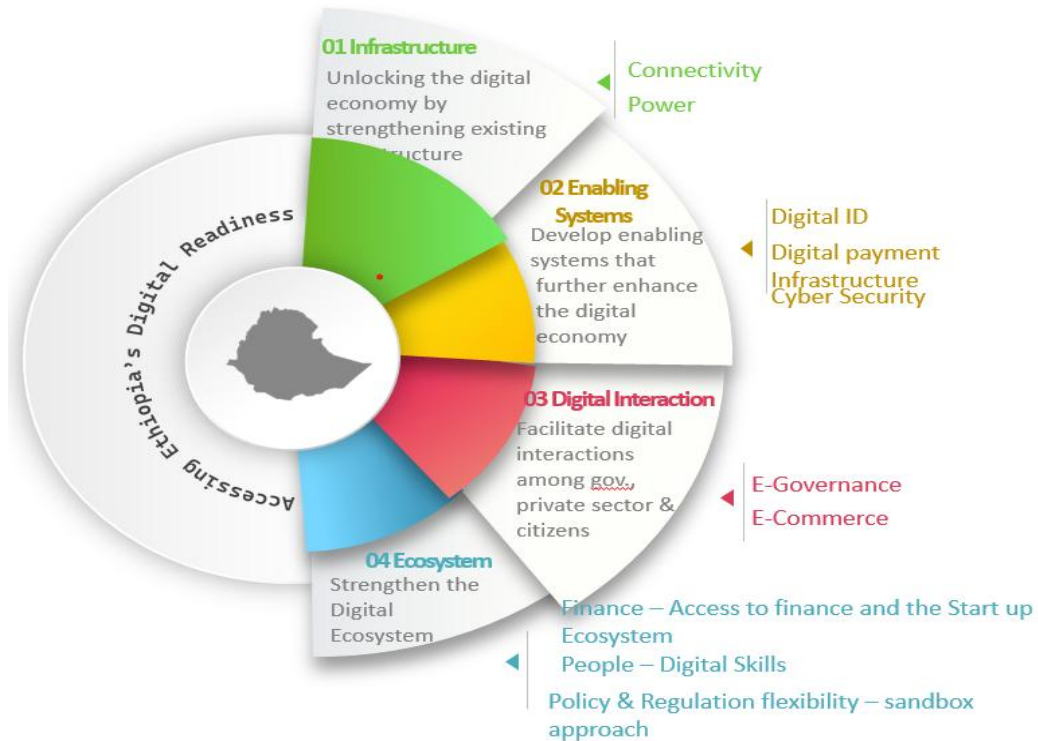


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Digitalization in Ethiopia





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Collaboration – UN DESA - Ethiopia

Objective

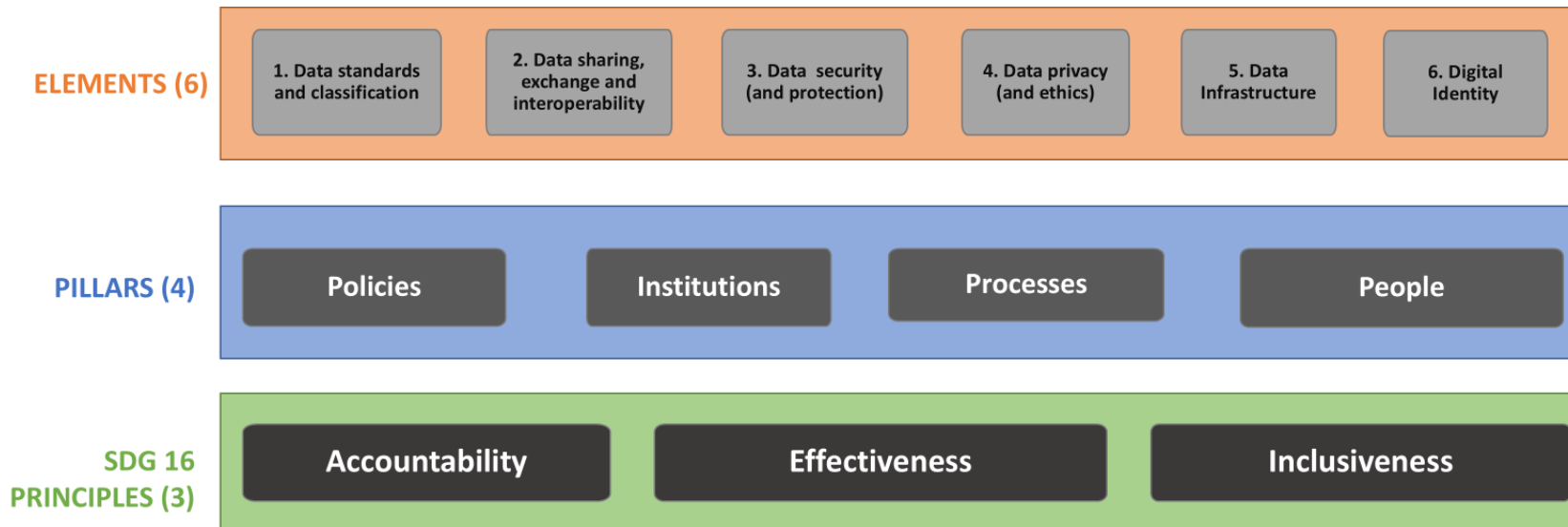
- Assess, analyze, and identify strengths and challenges to recommend improvements for National Data Governance in Ethiopia.

Approach

- Utilize **UNDESA's Data Governance Framework**, emphasizing:
- **Four Pillars**
- **Six Data Elements**



UN DESA's National Data Governance Framework





Why 4 pillars of data governance (DG)?

PILLARS (4)

Policies

Institutions

Processes

People

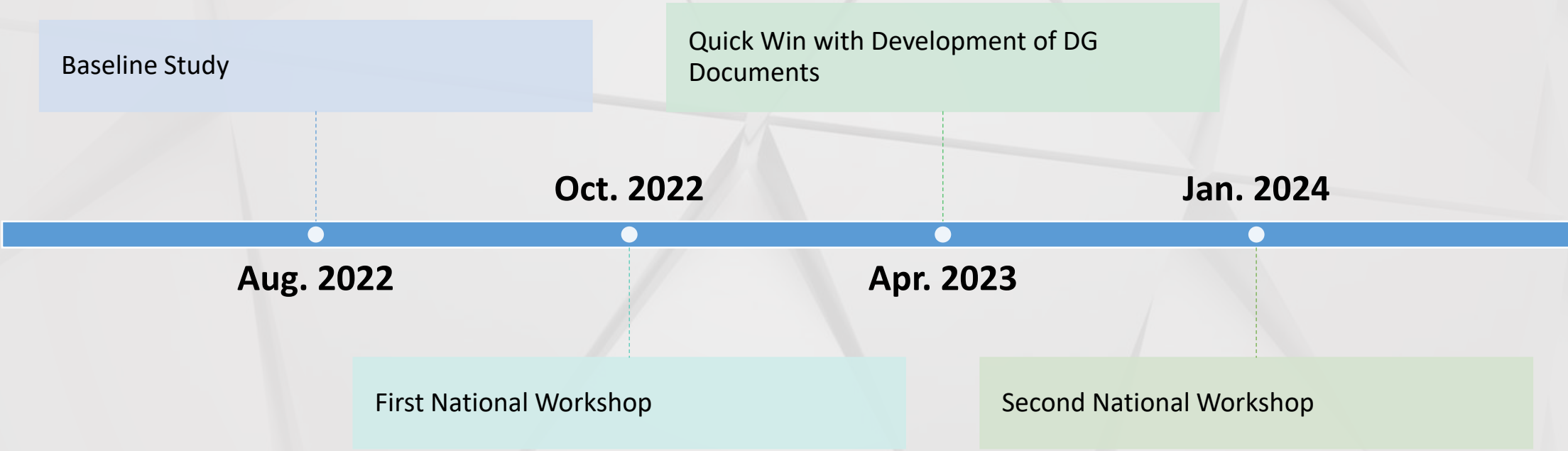
Policies - a means of *legitimizing* DG (legality, regulatory)

Institutions - a means of *empowering and institutionalizing* DG (leadership; institutional)

People - a means of *capacitating and supporting* DG (capacities, capabilities)

Processes - a means of *enabling and operationalizing* DG

Steps and Progress



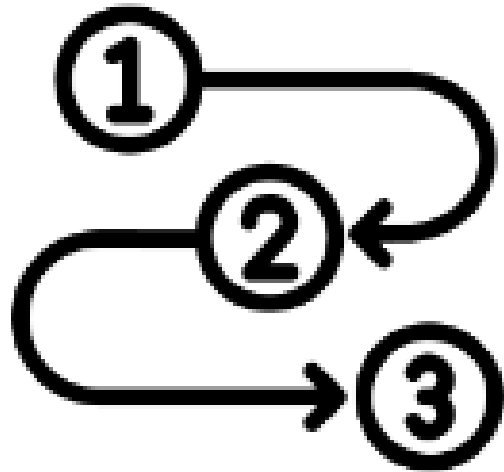


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Baseline Study



Exploratory
study
approach



Stakeholder
Analysis



Desk Review



Survey
Questionnaire



In-depth
Interview



National
Consultation
Workshop



Baseline Study



Several Initiatives
in the past

Lack of sufficient
regulatory
documents for
legitimizing DG at
national level

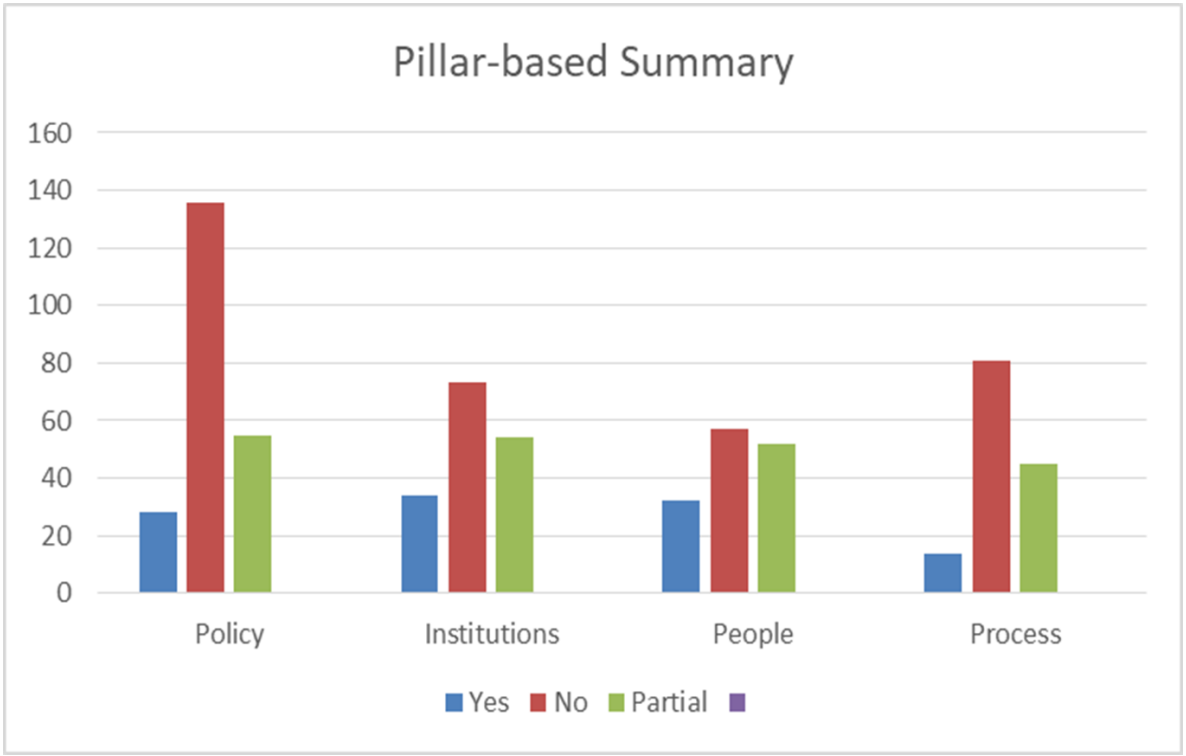
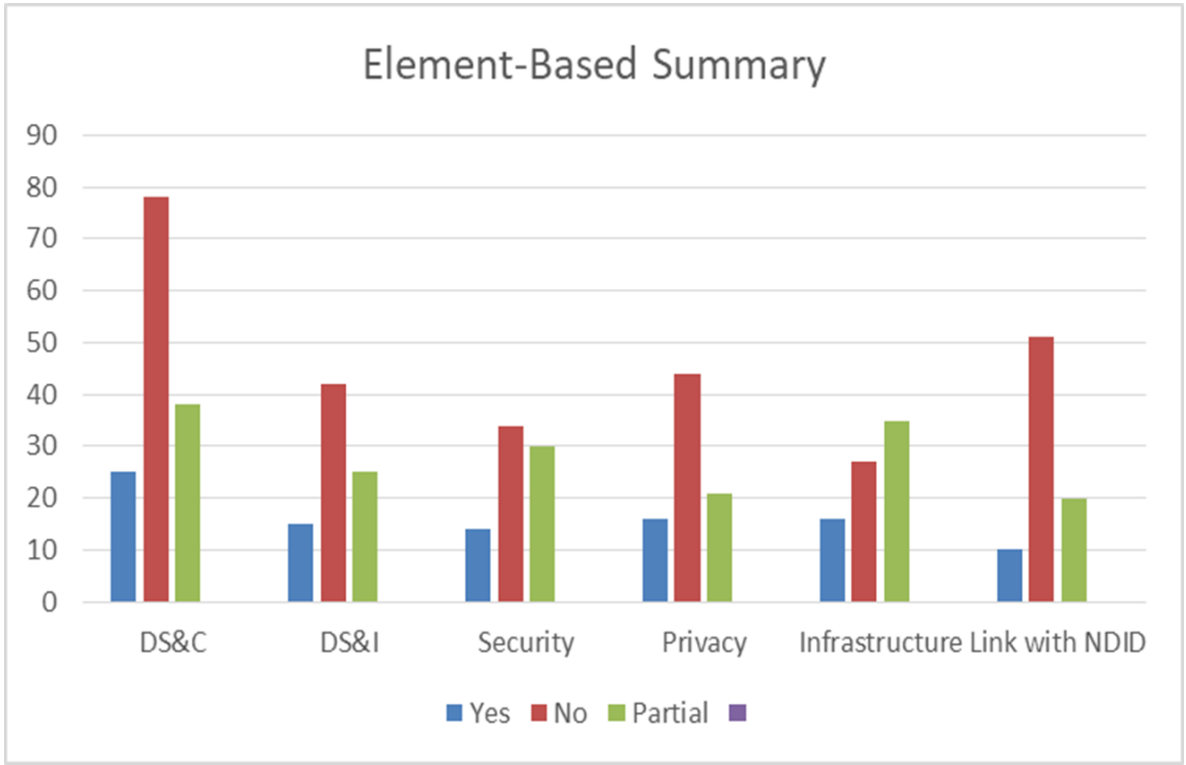
Inconsistent
institutional set
up proposals

Missing
elements

data
standardization
and classification

data sharing and
interoperability
and

linking data with
national digital
identity



Baseline Study



1st Workshop



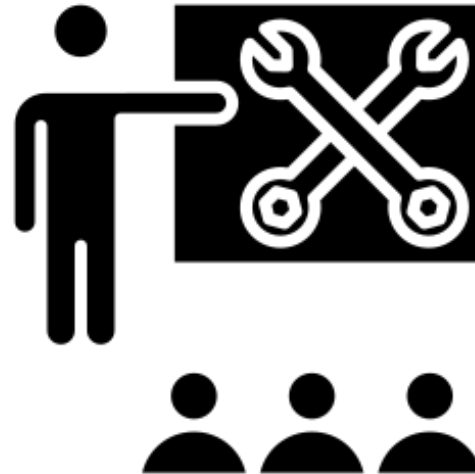


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**Quick Win
Actions**



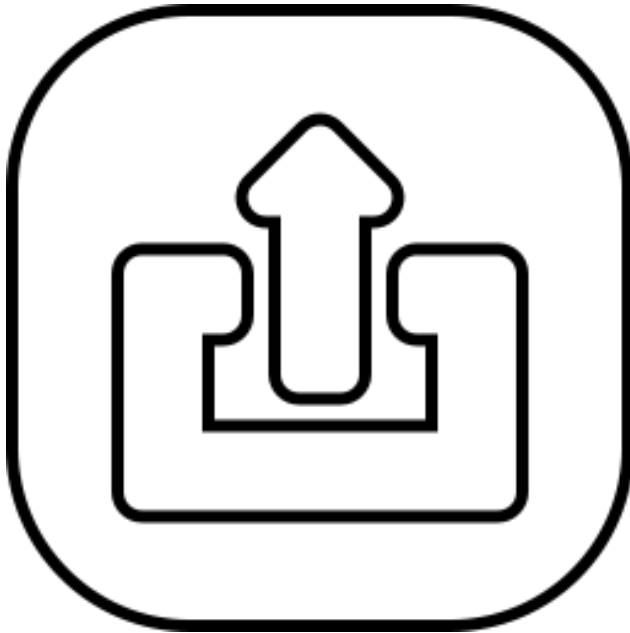


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Quick Win Actions for Intervention



Term-of-Reference for Establishing National Data Governance Leadership Committees



National Data Sharing Directive



Data Requirements for Data Sharing



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Leadership Approach

- Think Big, Start Small, Scaling fast, Grow Big and act now
- Cross Sectoral Cooperation in a well - structured way





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Leadership Structure – NDG

- Steering Committee
- Technical Committee
- Working groups (1..2..3...)





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Data Sharing Directive - Draft

Experiences shared from

Practice at ESS

Practice at MoA

International Practice
(Bangladesh, Singapore, China)

Draft

Part One: General Provision

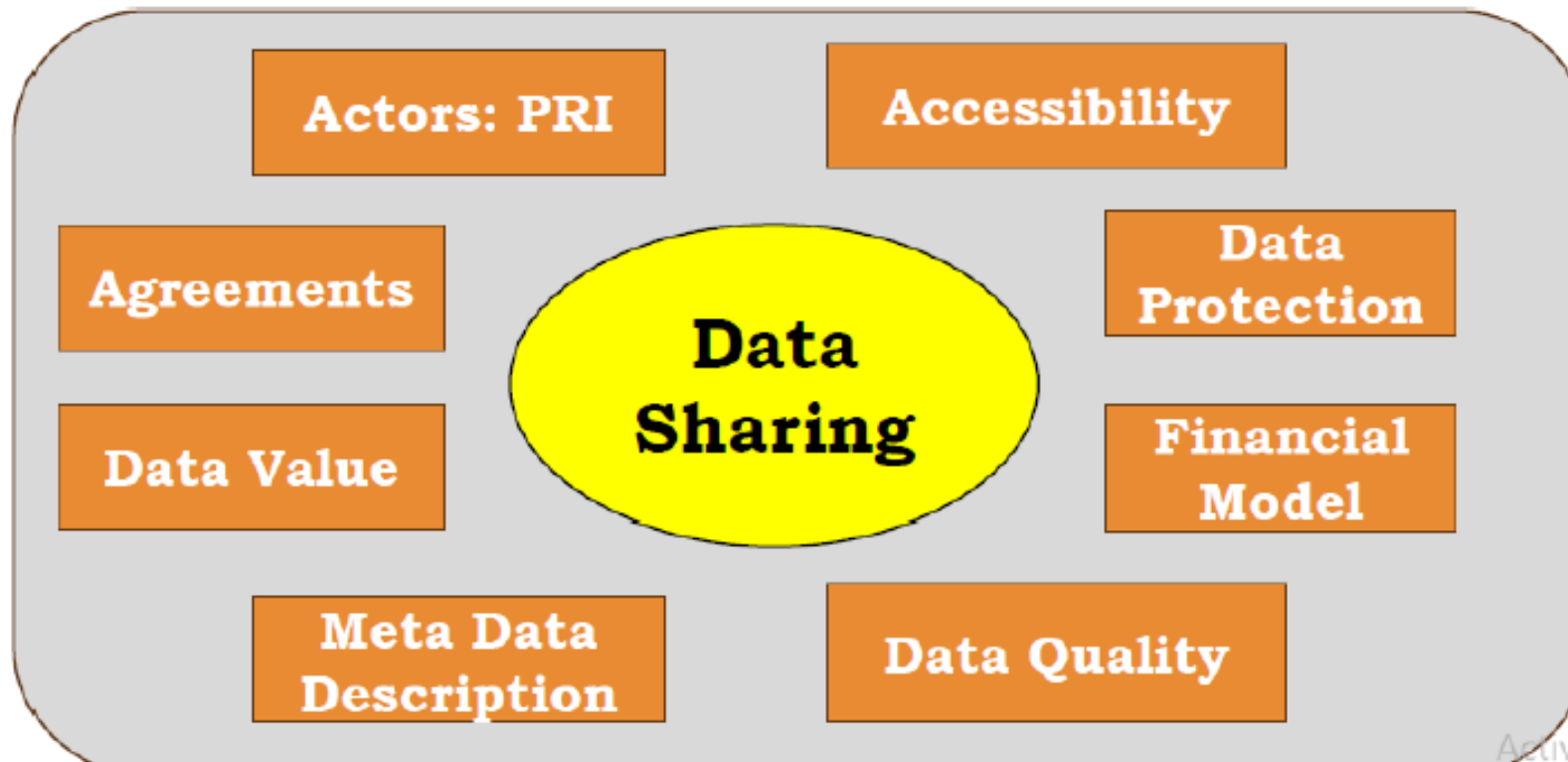
Part Two: Provisions of Data Sharing

Part Three: Data Sharing Requirements

Part Four: Miscellaneous



Data Sharing Framework





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National Data Governance

Guiding Principles

Home-grown

Science-lead

Evidence-based



2nd Workshop - Higher Officials



2nd Workshop – Technical Personnel



2nd Workshop – More pictures



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National Data Governance



Building **trust** and **cooperation** with the private sector, civil society and academia is an ongoing challenge



Lack of data classification in realizing national data sharing practice



Limited human capital on value creation from data

Progress in Relevant Initiatives



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Institution and Policy related



In June 2024



Approval of
cybersecurity policy



In July 2024



Approval of Person
Data Protection
Proclamation



Approval of National
Artificial Intelligence
Policy

Artificial Intelligence Institute

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The Council of Ministers Unanimously Decide to Implement the National Artificial Intelligence Policy

June 27, 2024 - news

After three years of consultations with key stakeholders, Ethiopia's Council of Ministers has unanimously endorsed the country's national artificial intelligence (AI) strategy during its 37th regular meeting.

The Ethiopian government is undertaking a series of initiatives to increase the adoption of technology for social and economic development, while also building a competitive domestic AI industry that upholds national security priorities. To provide strategic direction for this effort, the government has established a comprehensive national AI



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DIGITAL TRANSFORMATION COUNCIL HOLDS INAUGURAL MEETING



Digital Transformation Council Holds Inaugural Meeting

The newly formed National Digital Transformation Council, led by Deputy Prime Minister Temesgen Tiruneh, held its inaugural meeting last week. This follows Prime Minister Abiy Ahmed's (PhD) announcement establishing the council to oversee the implementation of "Digital Ethiopia 2025," the nation's digital transformation strategy. It brought together officials like Belete Molla, minister of Innovation & Technology; Firehiwot Tamiru, CEO of Ethio telecom; and Tigist Hamid, head of Information Network Security Administration (INSA). The council discussed the overall progress of Ethiopia's digital transformation efforts focusing on monitoring the execution of national digital policies and strategies, along with evaluating the effectiveness of development measures. According to Tigist, the council is making headway in coordinating and implementing the long-term vision for digital transformation. Firehiwot said plans need to be refined to achieve the strategy goals. Ethio telecom, with its expanding reach (4G in 340 cities and a launched 5G network), and over 70 million subscribers, is playing a crucial role. Ethiopia's digital transformation strategy, launched in 2020, shows promise with skyrocketed internet access, exceeding 36 million users by 2023. It represents 35pc of the population with a mobile penetration rate exceeding 40 million accounts. However, as highlighted by the World Economic Forum, challenges remain. Bridging the digital

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ቴሌብር
በቆናሽ

እስከ
5,000 ብር
0.1%

ከ 5 ሺህ ብር
500 ብር

የተገኘ ሆኖት
ልክዋል!



Ethio Telecom Financial Service

Do it all with M-PESA

Make payments quickly and conveniently, anytime, anywhere with M-PESA.

[Discover More](#)



The Power of M-PESA

Safaricom Financial Service



Fayda for Ethiopia

A robust digital identification at the national-level, offering real-time biometric authentication and eKYC for all use-cases.

Established under Proc. 1284/2023 as a foundational legal ID for Ethiopia.

[Register For Fayda!](#)

[Order Card Print](#)

[Get Support](#)

11,401,094

Total Registrations

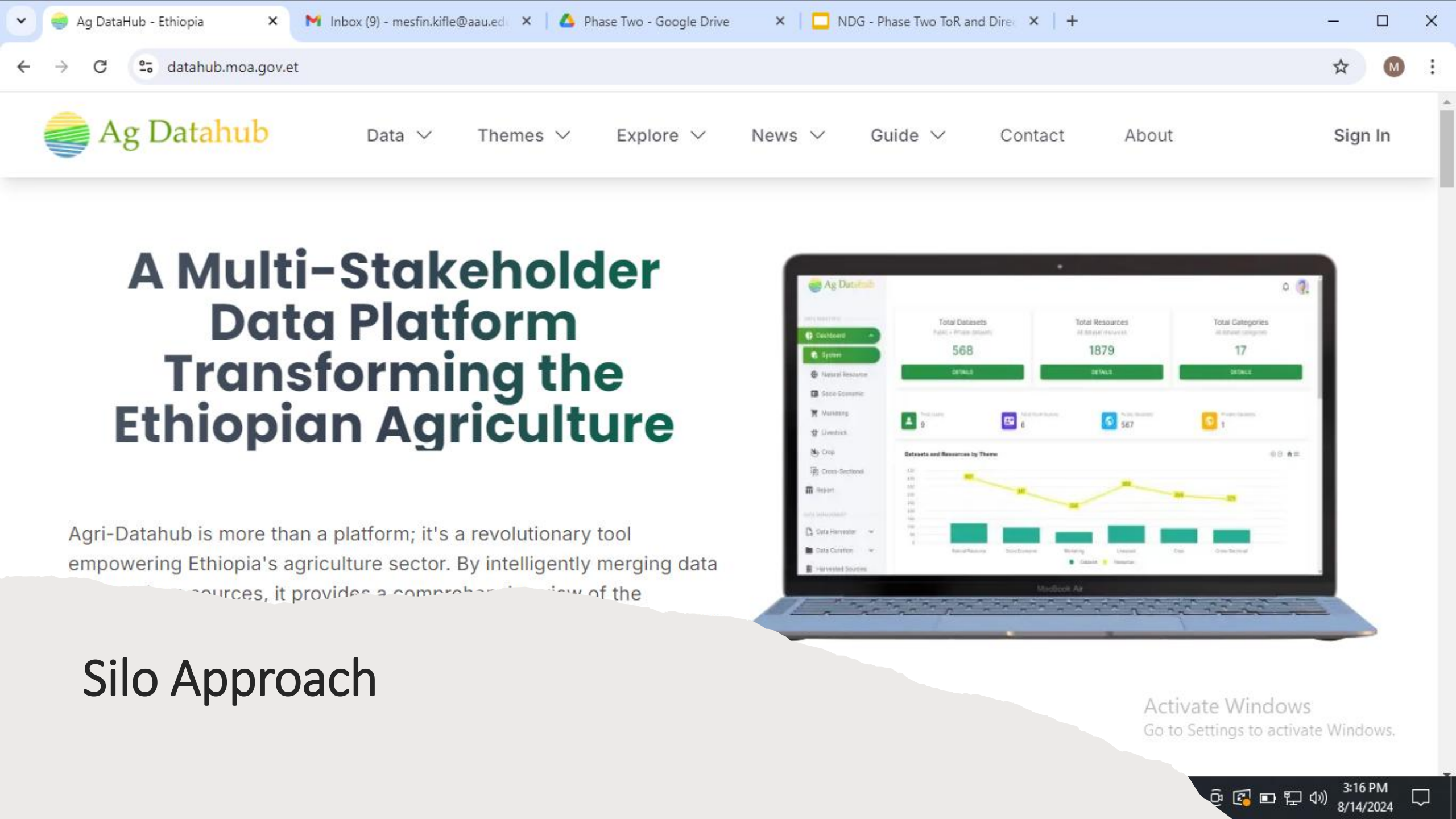
6,263,496

Total Authentication

33

Integrated Agencies

Digital ID



A Multi-Stakeholder Data Platform Transforming the Ethiopian Agriculture

Agri-Datahub is more than a platform; it's a revolutionary tool empowering Ethiopia's agriculture sector. By intelligently merging data resources, it provides a comprehensive view of the

Silo Approach

Activate Windows
Go to Settings to activate Windows.

UNITS OF NDMC

DATA REPOSITORY AND GOVERNANCE



This unit establishes a database for retrospective and prospective data

DATA ANALYTICS AND VISUALIZATION



The role of this unit is to sort out sources of data with their respective data types. Hence, the task of the team is engaged with

DATA TO ACTION



Data to Action is a unit formed with the purpose of filtering, interpreting, adapting, contextualizing,

DECISION SCIENCE



The role of this unit is to support the health sector's health transformation agenda

BURDEN OF DISEASE



This unit measures the national and sub-national burden of diseases, and tracks the progress and achievements of health in Ethiopia. The team



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谢谢

Thank You

Merci

Спасибо

Gracias

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