United Nations
Economic Commission
for Africa

DATA GOVERNANCE AT ECA

SESSION 3B: Institutional and Organizational Frameworks – Data Governance

African Centre for Statistics

CONTENT

DATA GOVERNANCE

- GUIDING REFERENCES
- CORE PRINCIPLES
- PROCESSES AND INSTITUTIONAL ARRANGEMENT
- TOOLS AND TECHNOLOGIES

CURRENT AND UPCOMING PROJECTS

DATA GOVERNANCE AT ECA

GUIDING REFERENCES

CORE PRINCIPLES

PROCESSES AND ORGANIZATIONAL SETUP

TECHNOLOGY AND TOOLS

GUIDING REFERENCES FOR THE WORK ON DATA

CORE PRINCIPLES

Mandate

Standardization and harmonization

Data Quality Assurance

Confidentiality

Open access

Accessibility

HOW WE ORGANIZE OUR DATA WORK: DOMAINS AND TOPICS

ECA

1. **Demographic and social statistics**

   Population, migration, Education, health, etc.

2. **Economic statistics**

   National accounts, International trade, sectoral statistics, finance, etc.

3. **Environment**

   Environment, Living conditions, information society, special population groups

4. **Governance**

   Participation, access, justice ….

5. **Cross-cutting statistics**

   Information society, SDGs, development indices, gender statistics, …

HOW WE ORGANIZE OUR DATA WORK: AREAS

1

ECA SROs

Central Africa, Eastern Africa, North Africa, Southern Africa, West Africa

Central Africa
Eastern Africa
North Africa
Southern Africa
West Africa

2

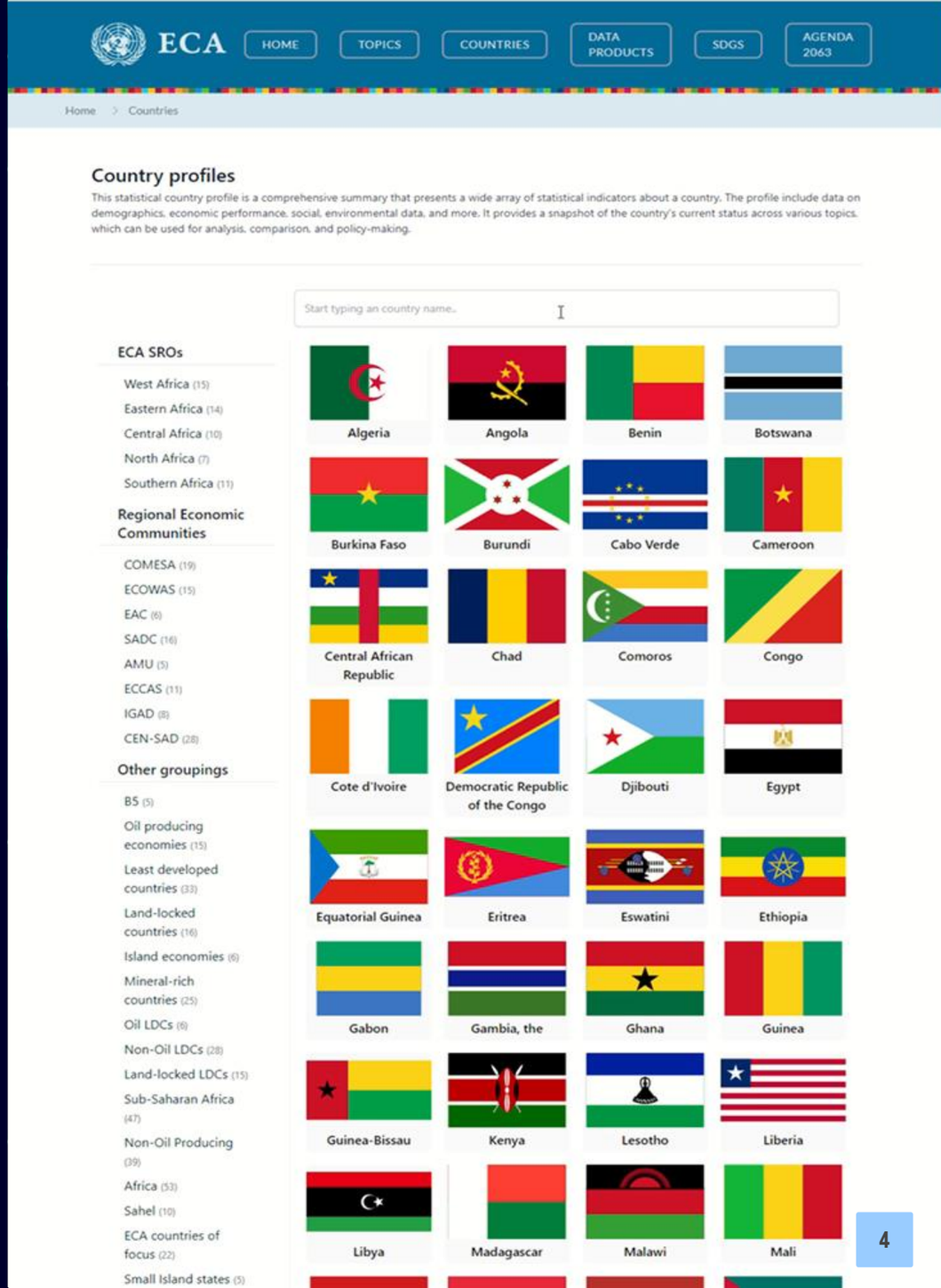
Regional Economic Communities

AMU, CEN-SAD, COMESA, EAC, ECCAS, ECOWAS, IGAD, SADC

3

Other Groupings

Africa, B5 (Big five), ECA countries of focus, Island economies, Land-locked countries, Land-locked LDCs, Least developed countries, Mineral-rich countries, Non-Oil LDCs, Non-Oil Producing, Oil LDCs, Oil producing economies, Sahel, Sub-Saharan Africa



DATA SOURCES

1. Member States
2. UN Agencies, Funds and Programmes
3. Regional and Sub-regional Organizations In Africa
4. International Organizations
5. NGOs, Foundations, Others
6. In-house Sources (Aggregates for Selected Indicators)

DATA PROVISION

1. Online Statistical data portal
2. Dashboard
3. Publications
4. Specialized databases
5. Mobile apps

DATA GOVERNANCE TOOLS DESIGN THINKING AND KEY CONSIDERATIONS

- ✓ User personas
- ✓ Multidevice compatibility
- ✓ Linking, embedding and sharing
- ✓ Search and browse
- ✓ Feedback loop
- ✓ API
- ✓ Localization/Internationalization
- ✓ Collaboration

TOOLS AND TECHNOLOGIES

- ECASTATS PORTAL
- COUNTRY STATISTICAL REPORTS HARVESTER
- MOBILE APP
- GOOGLE DATA COMMONS
- AI LEVERAGED DATA HARVESTING AND ACCESS

ONLINE STATISTICAL DATA PORTAL

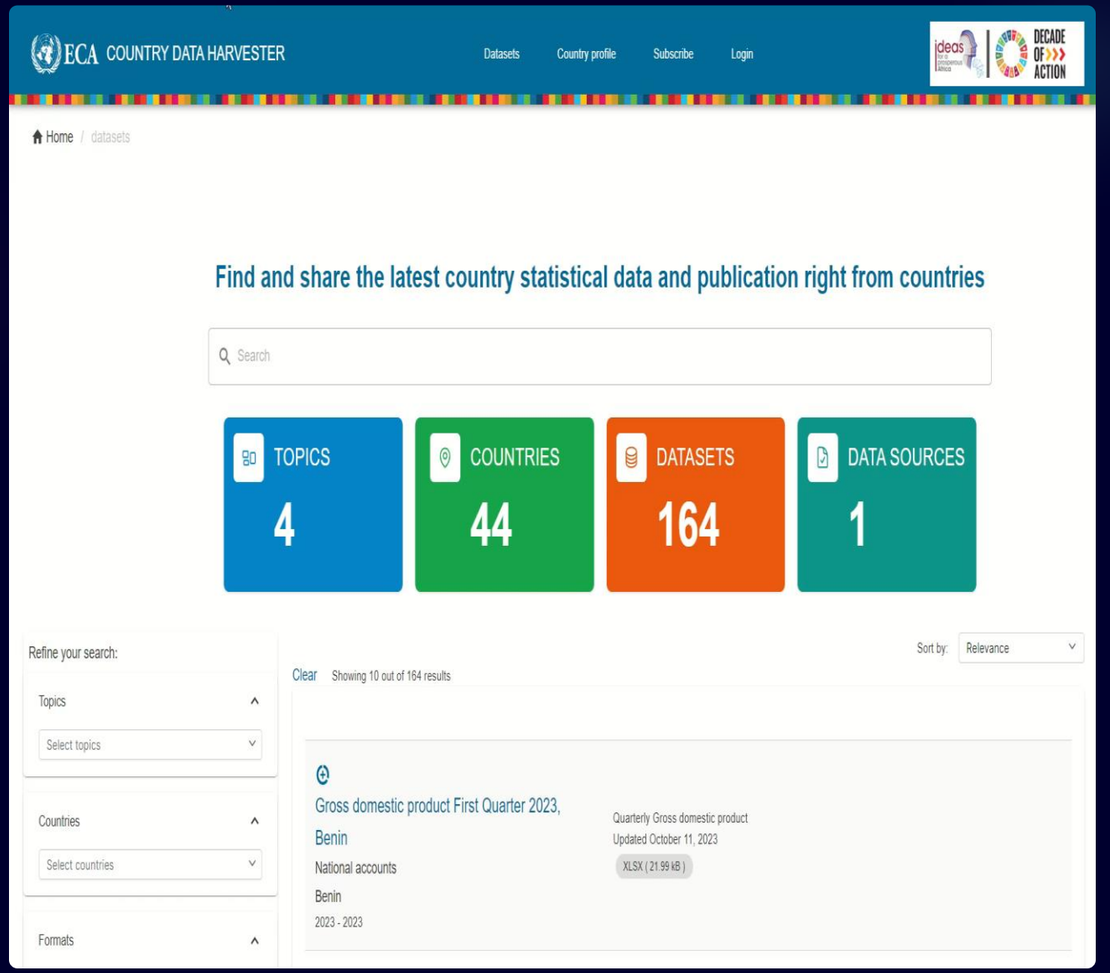
The ECAStats

Globally:

- 22 Topics/sectors
- Over 6k+ variables
- Over 1.6m data points
- Period 1970 to 2023
- All 54 countries

- Browse by topics
- Browse by country: country profiles
- Data products/dashboards

The Country Data Harvester



- An initiative for documenting datasets published by member States

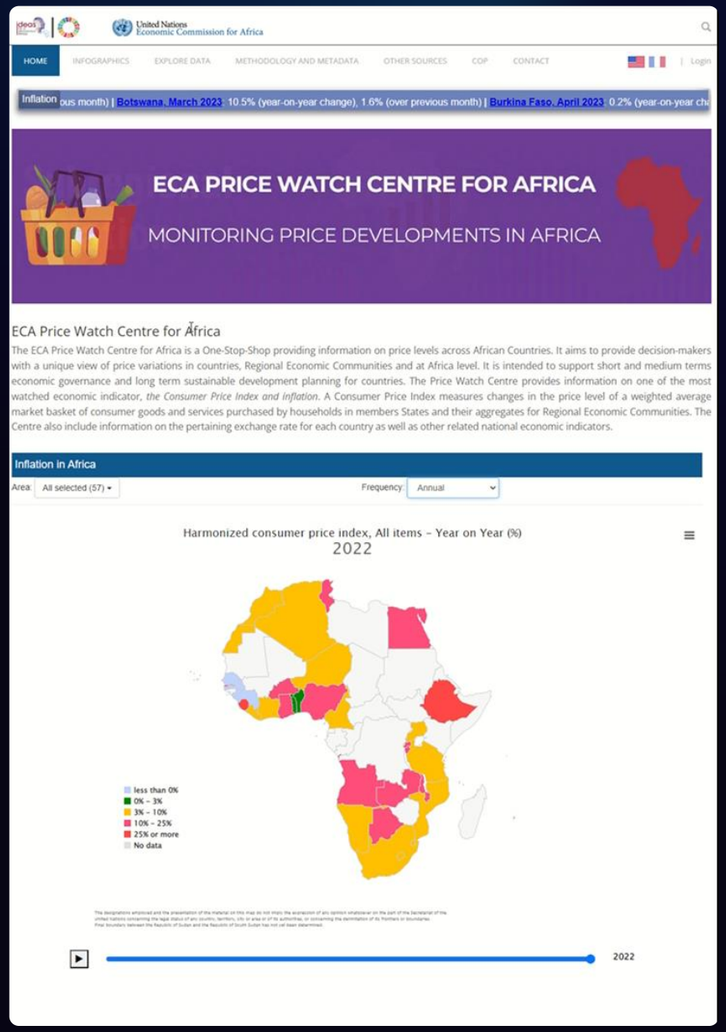
SPECIALIZED DATA PRODUCTS

The Price Watch Centre

Showcases price levels across African Countries.

It provides information on Consumer Price Index and inflation (Annual, quarterly and monthly).

It also include information on the exchange rate for each country as well as other related national economic indicators.



The UN Data for Development for Africa (D4D-Africa)

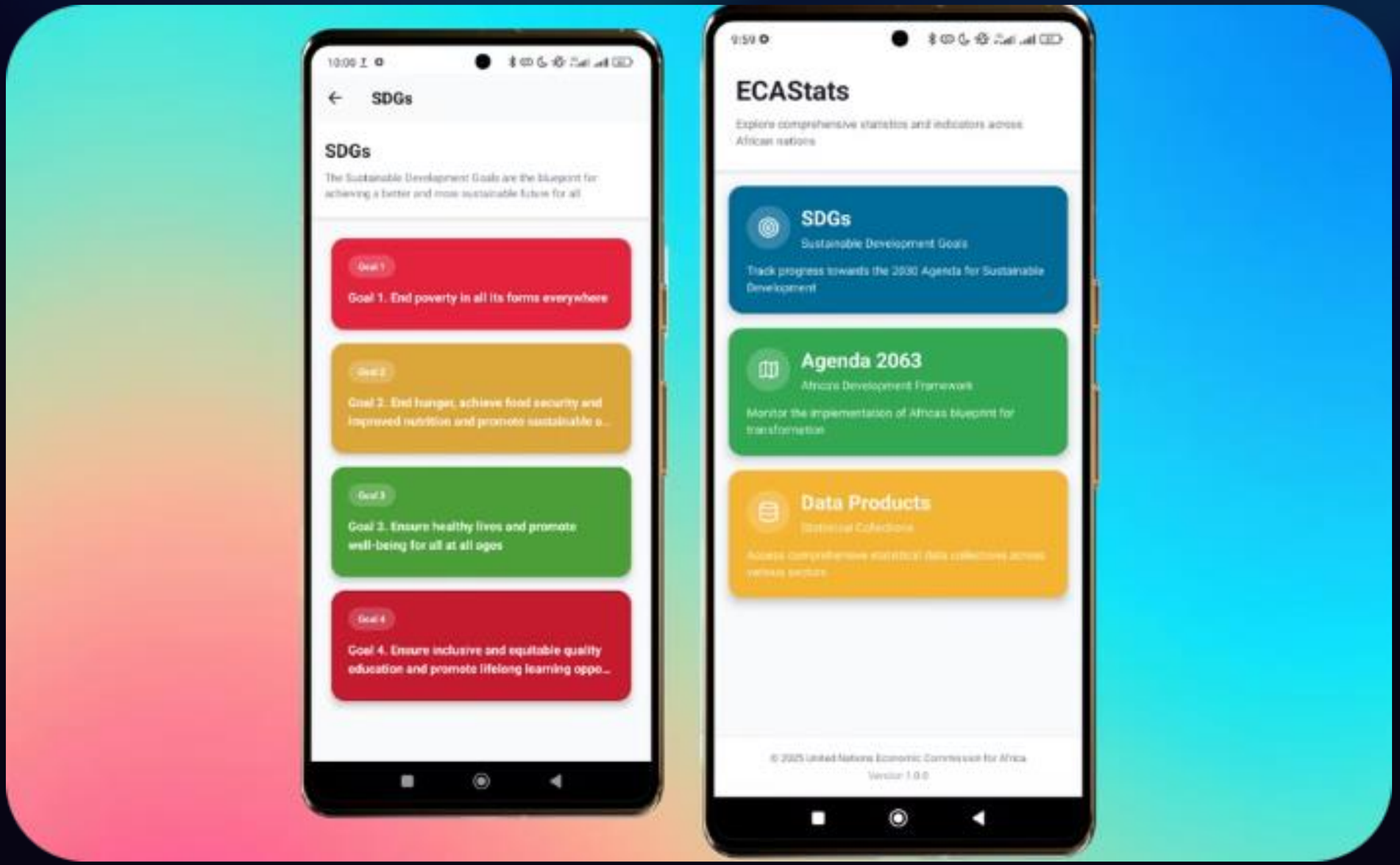
A Common database for UN Agencies under OIBC-1

Featuring key common indicators

SDGs

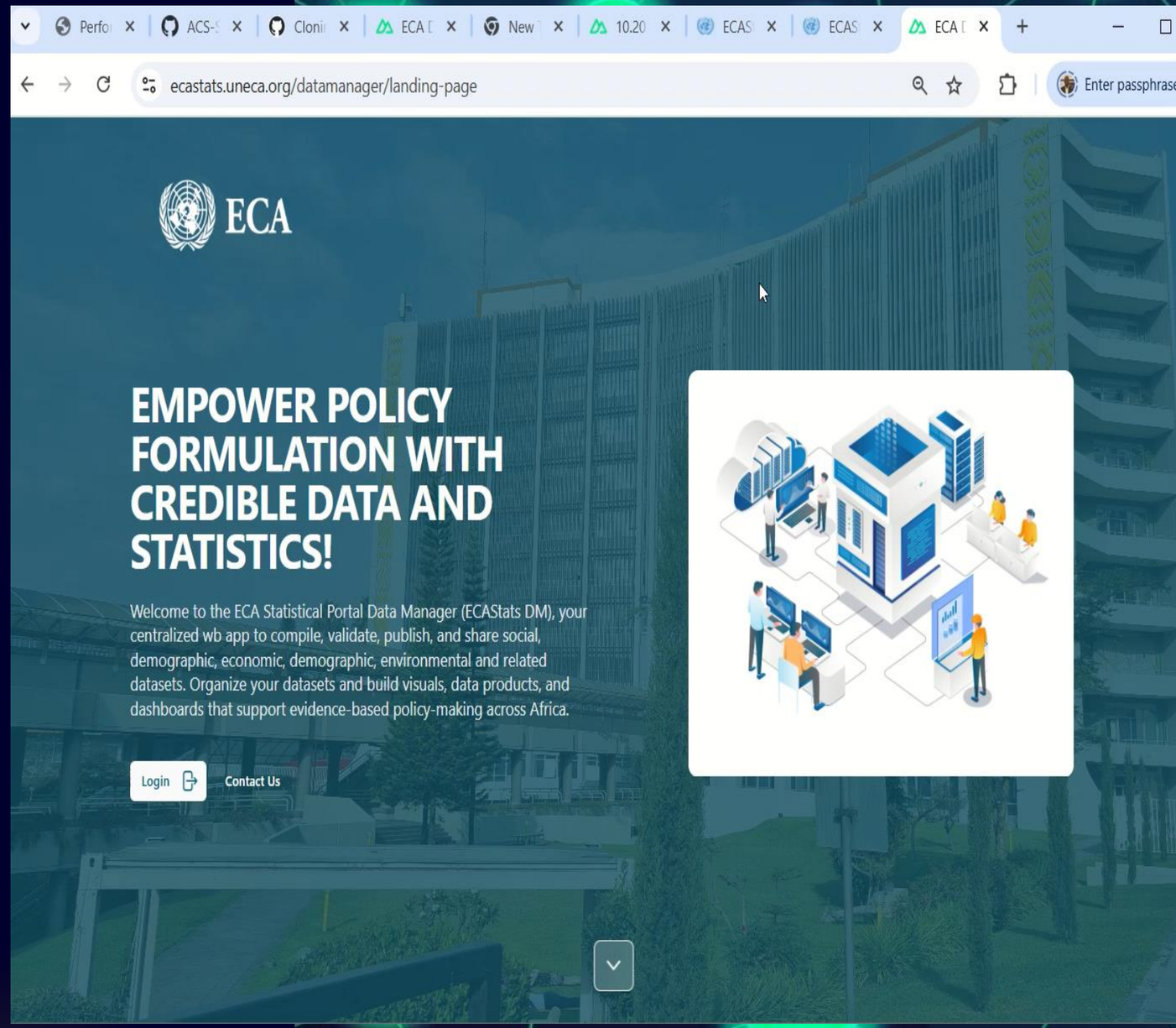
AGENDA 2063

MOBILE APPS


SDGs
SDGs
Goal 1. End poverty in all its forms everywhere
Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable a...
Goal 3. Ensure healthy lives and promote well-being for all at all ages
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning oppo...
ECAStats
Explore comprehensive statistics and indicators across African nations
SDGs
Sustainable Development Goals
Track progress towards the 2030 Agenda for Sustainable Development
Agenda 2063
Africa's Development Framework
Monitor the implementation of Africa's blueprint for transformation
Data Products
Statistical Collections

Data managers

1. **Metadata & concept configuration**
   - Central Africa
   - Eastern Africa
   - North Africa
   - Southern Africa
   - West Africa
2. **Data ingestion**
3. **Quick data product creation**



AI LEVERAGED DATA HARVESTING AND ACCESS

1. Data capturing from Member States
2. Web scraping and capturing
3. Preprocessing and embedding
4. Vector database
5. Retrieval-Augmented-Generation (RAG)
6. Use cases

THANK YOU

1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
THE GLOBAL GOALS
For Sustainable Development