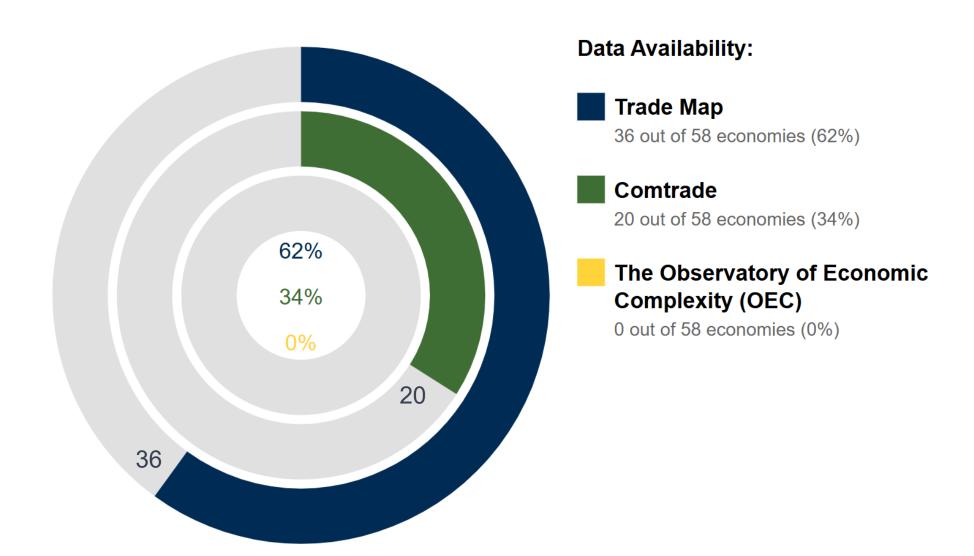




## 2023 Snapshot of Trade Data Availability Across Africa





### The African Trade Observatory (ATO)

> enhancing data to support business and policy decision



Enable better business decision-making



Support policy design and trade monitoring











## The ATO provides timely and accurate information about international markets and access conditions





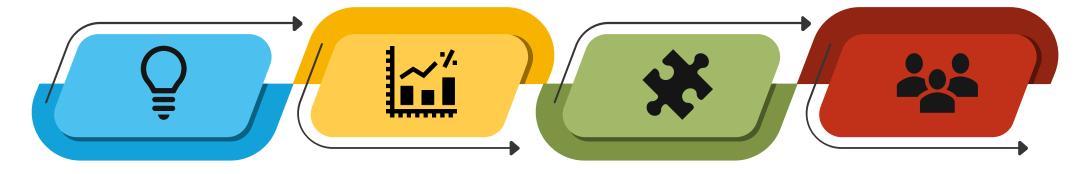
## The ATO project is built around 4 main pillars

Enhanced data availability and quality

Development of an online dashboard

Establishment of ATO Trade Analysis Unit (AUC)

Promote and build capacities to public and private actors



Automates data sharing and quality control

Displays up-todate information and analytics Ensures ownership & sustainability

Disseminate and use trade intelligence



**ATO** 



## Publicly Accessible Trade Statistics

### vs Transactional Data

ional



Extended lag between data collection and release

Automated data synchronization that facilitates industrialization – Centralized by ATO



Monthly aggregated data, typically at HS6 level

Granular data with detailed attributes that allow harmonized checks and treatments across countries



Scope often limited to trade values and volumes

Over 40 dimensions, incl. freight and insurance costs, utilization rate of preference, transport mode, trader type, border crossing time, etc.



Focused on origin and destination markets

Provides information on origin, destination, customs offices, and channels

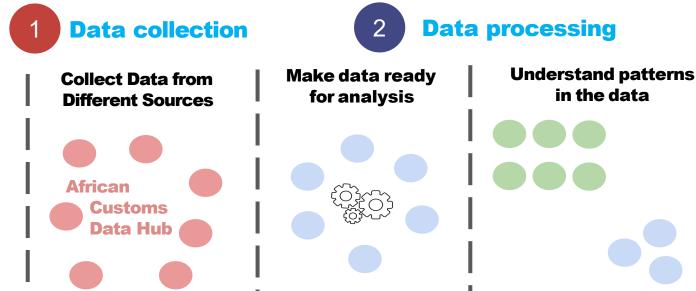


Useful for assessing macro-level trade trends

Granularity facilitates in-depth analysis, the release of advanced trade related indicators for deeper insights

## How ATO supports evidence-based decisions?

## → Automation of full data journey







**Data visualization** 

ATO Data Entry Tool (manual entry)

Data sharing tool (ASYATO or AfTDI)

Data Mapping
Data Harmonization

Processing of transaction data /tax schedules & indicator generation/update based on validation rules

Data quality

reports

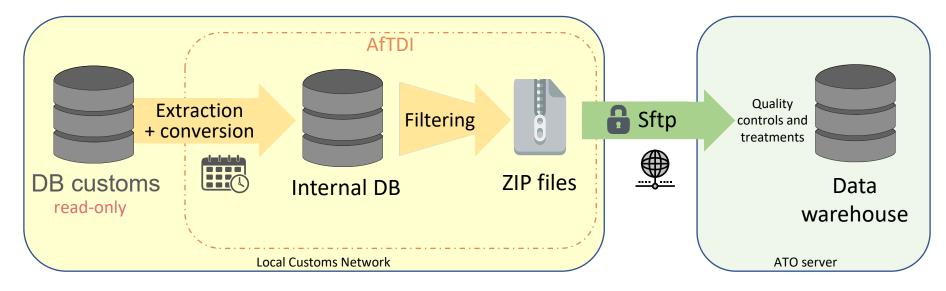
Inputs for analytical reports prepared by duly authorized users (e.g. African Union Commission, AfCFTA Sec., RECs, national institutions)

+ Complementary trade data (when necessary)



## The data sharing application (AfTDI)

- Free installation in customs environment, no license needed.
- Automatically extracts and exports data to African Customs Data Hub daily, weekly, or bi-monthly
- Tansaction data to African Customs Data Hub
- Read-only access to customs database
- Flexible and secure architecture



- For ASYCUDA World countries, a tailored extraction module (ASYATO) is available and has been developed by ASYCUDA team (Geneva)
- The customs authority retains data ownership post-transfer

## Example for Madagascar (March 2024 – 12,000 declarations)

1 Data collection

**ASYCUDA** 

**ASYCUDA-ATO Extraction Tool** 

2 Data processing

3

**Outputs generation** 











**Share** 



| Company of the Comp

Indicators generation

0

2 minutes

2 minutes

Data extraction 10<sup>th</sup> of each month

3 minutes

Total processing time: 7 minutes

- Transportation Cost
- Tax Revenue
- Border Crossing Time
- Mode of Transportation
- Seasonality
- Utilization of preferences

## 29 countries collaborate on customs data sharing

#### Key national partners:

- Ministry of Trade
- Customs
- National Statistical Offices

**MANUAL** 

(X18) a



\* Automation in progress



```
Angola; Burundi; Cabo Verde;
  Cameroon; Comoros; Central Af.
Rep; Congo Dem. Rep; Côte d'Ivoire
; Egypt*; Ethiopia; Eswatini*; Gabon;
  Gambia; Ghana; Guinea; Guinea
   Bissau; Kenya; Liberia*; Libya;
 Madagascar; Malawi; Mauritania;
   Mozambique; Namibia*; Niger;
   Nigeria; Rwanda; Sao Tome &
Principe; Senegal; Seychelles; Sierra
   Leone; Somalia; South Sudan;
 Tanzania; Togo; Tunisia; Uganda;
        Zambia; Zimbabwe
```



### Transaction level data quality reports



## Summary report on the quality of the customs data for the following extraction: XXXX20232201022012.zip

Completeness

Consistency

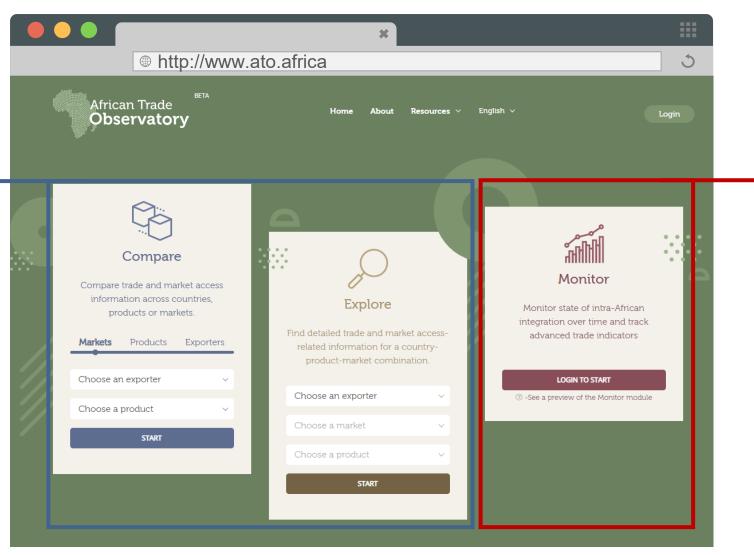
Validity

Relative Accuracy

KEY FIGURES		
Potential Issue(s) Found	29	
Potential Critical Issue(s)	3	
Potential Major Issue(s)	26	
Data Quality Score	65	
Selected declarations	1	

## A single entry-point to facilitate access to trade data

Free trade
intelligence for
businesses
& BSOs



Trade
analytics
for government
officials,
policymakers
and trade
experts



## ATO for policymakers→ Monitor national/regional policies

### Policymakers can:

- Track the level of processing and end use of exports across markets to identify value chain activities across the continent
- Monitor to what extent national traders are benefitting from preferential trade instruments as well as tax revenues collected at the border across sectors
- □ Get a deeper understanding of national trade performance
- Assess the evolution of regional integration



### Three main categories:

#### **TRADE**

14 indicators

#### **MARKET ACCESS**

3 indicators

#### **BORDER PERFORMANCE**

4 indicators

#### **POLICY SIMULATIONS**



## **ATO Monitor indicators**



Category	Indicator	Status
j	Trade balance	Available
	Trade openness	Available
	Distribution of trade	Available
	Level of processing	Available
	End use	Available
	Sources of trade growth	Available
Trade	Product diversification	Available
(14)	Market diversification	Available
Border operation (4)	Export orientation	Available
	Market shares	Available
	Regional integration	Available
	Trade complementarity	Available
	Market penetration	Available
	Trade growth potential	Available
	Border crossing time	Available
	Seasonality	Available
	Mode of transport	Available
	Tax and tariff revenue	Upcoming
Market Access (4)	Tariffs measures	Upcoming
	Tariff structure	Upcoming
	Utilization rate of preferences	Available
<b>Policy Outlook</b>	Trade simulation	Upcoming

## Monitor seasonal patterns in trade flows

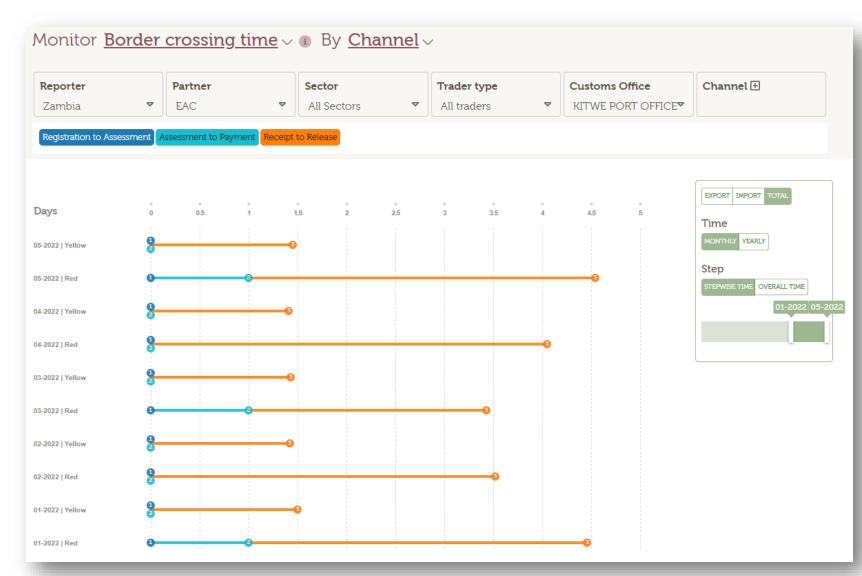
Madagascar's number of export/import declarations (or customs transactions) per partner/

 Imports of manufactured goods experience consistent peaks in Q4, suggesting seasonal surges in demand and/or strategic stockpiling



## Optimise Logistics Planning by Tracking Border Crossing Time

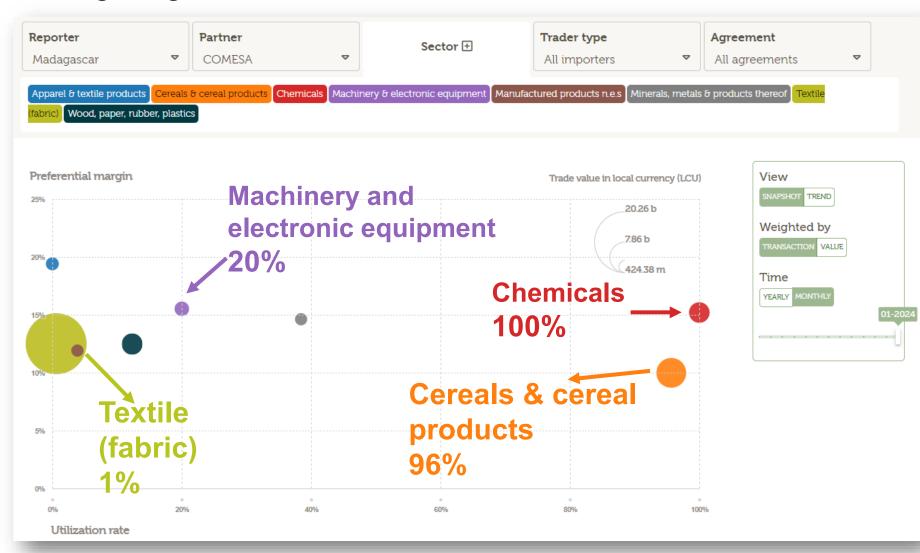
- In May 2022, goods traded with the EAC through the Kitwe Port Office's red channel experienced a median crossing time of 4.6 days, the longest waiting time of the year.
- The receipt-to-release process takes the longest time, whereas the registration-to-assessment step is completed in less than 24 hours.



## Monitor tariff liberalization per agreement

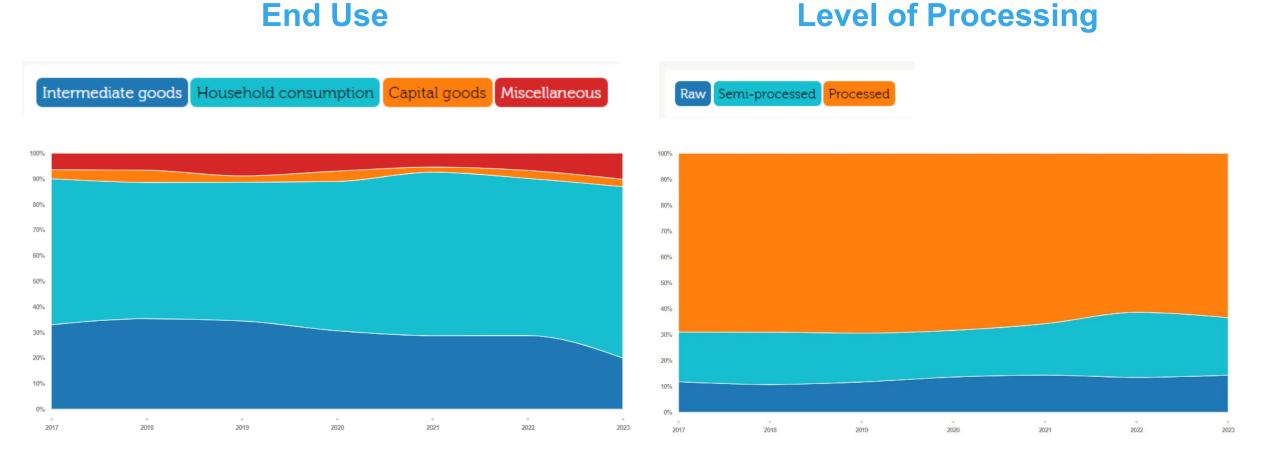
In January 2024, the uptake of COMESA preferential tariffs in Madagascar shows uneven distribution, with certain sectors gaining more.

- Despite a significant 13% preferential margin, textile imports have not utilized tariff preferences
- Conversely, imports of chemicals consistently receive tariff preferences (100% utilization) and benefit from a preferential margin of 14%



### Monitor regional value chains using ITC Trade Data

Trade flows by:





## Way forward

- Enhancing the "customs data hub" (i.e. covering all African countries)
- Going deeper with industrialisation of processes for enhanced sustainability
- Integration of new data and features:
  - RoO self-assessment tool
  - Trade in services statistics
  - Investment dashboard (in 3 countries)
- Capacity building programme for:
  - AUC and RECs representatives
  - Public and private sectors in countries



# Thank you for your attention!

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