

AI DIFFUSION AND POLICY IN AFRICA – EXPERIMENTAL DATA



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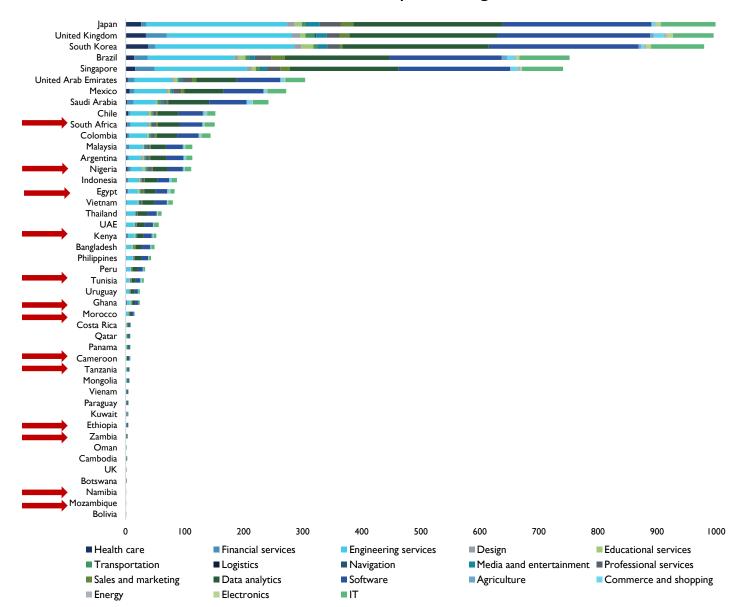
DIFFUSION OF ALAND POLICIES CONDUCIVE TO ALIN AFRICA: MAIN CONCLUSIONS

- Growing numbers of African startups are founded with Al-driven business models, for example in logistics, finance and healthcare
- Al use is diffusing also among African SMEs, with majorities of SMEs reporting some Al use cases
 - "Al Superuser" SMEs are better performing, export-driven firms that invest heavily in Al
 - "Al Sporadics" are more likely to be micro enterprises in rural areas and invest only a little in Al
- Al diffusion and Al-enabling policies correlate: Countries with a high density of Al-driven startups and large share of SMEs that use Al intensively also have in place policies that encourage Al adoption and use
- Africa is behind other parts of the world in adopting policies conducive to the diffusion and use of AI, including in the future AFCFTA Digital Protocol – this opens a work agenda for the eTrade and Tech for Trade Alliances

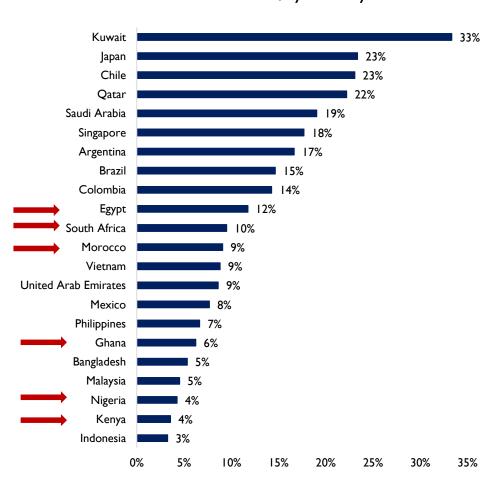


AI-DRIVEN BUSINESS MODELS ARE PREVALENT AMONG NEW STARTUPS

Startups founded in 2000-23 with Al-driven business models: Africa has >550 and is still nascent compared to global benchmarks

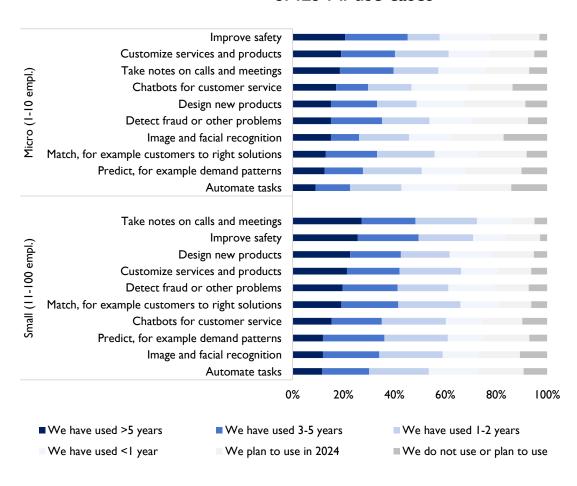


Share of Al-driven startups of all startups created in 2023, by country

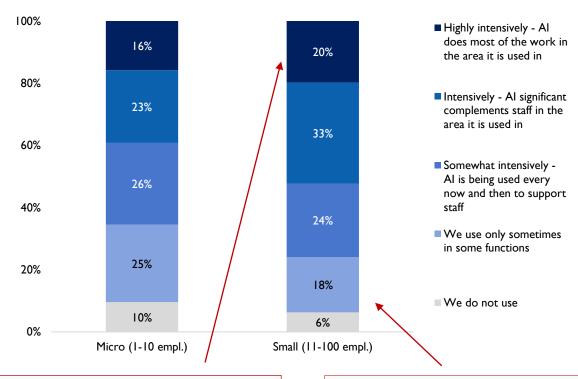


ALSO AFRICAN SMES (NOT STARTUPS) USE AI IN VARIOUS WAYS; >50% REPORT USING AI INTENSIVELY

SMEs' Al use cases



Diffusion and intensity of AI use among SMEs



Superusers:

- More médium sized: 60% have >25 employees
- 78% report "very significant" spend on Al
- Export-driven: >Over 80% export
- Most in large urban áreas; only 8% rural

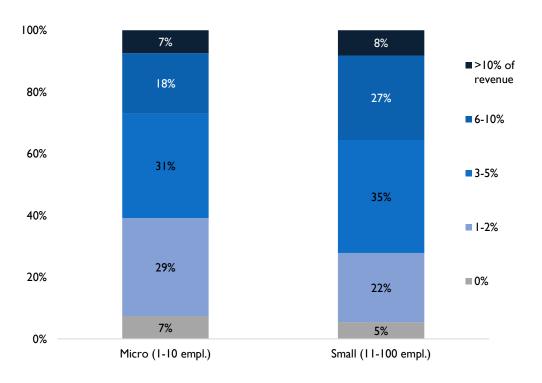
Sporadic users

- More micro: 40% have >25 employees
- Only 16% report "significant spend" on Al
- Only ~50% export to at least one market
- Mostly in large urban áreas: 15% rural

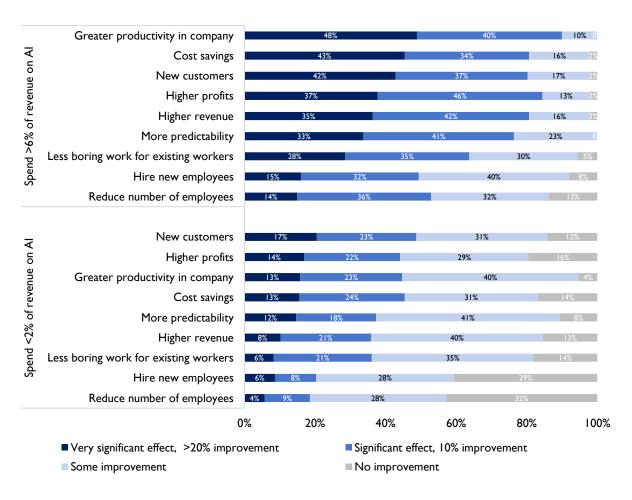


MOST SMES SPEND 3% OR MORE OF REVENUE ON AI; THOSE THAT SPEND MOST ALSO REAP GAINS

Emerging market SMEs' AI spending: ~60% of SMEs spend I-5% of their revenues on AI-driven services, a third spend even more



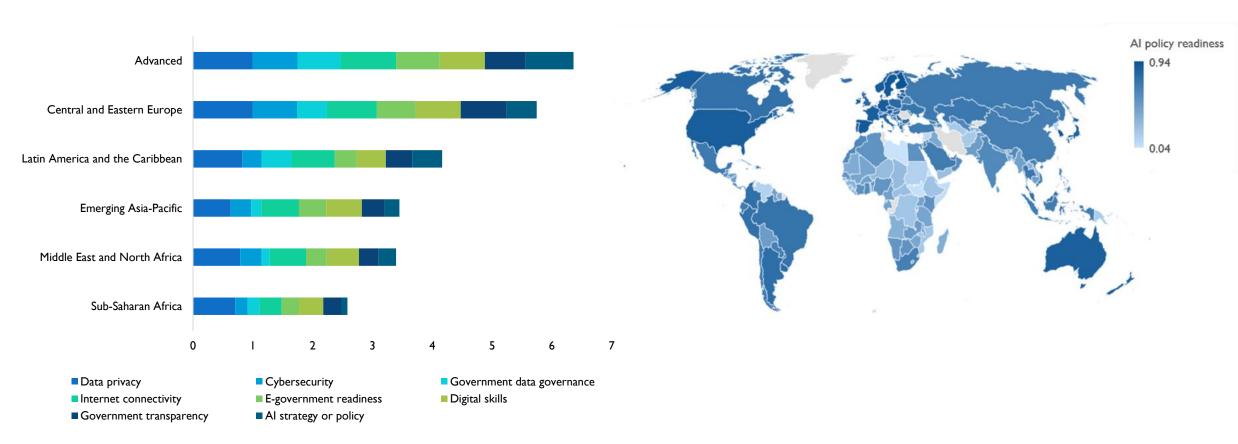
SMES' gains from AI use, by intensity of investment in AI



PROMOTING AI DIFFUSION AND USE CASES THROUGH POLICY: ADOPTION OF 14 AI-ENABLING POLICIES IN 190 COUNTRIES -> AFRICA NEEDS TO CATCH UP



Al policy readiness by country

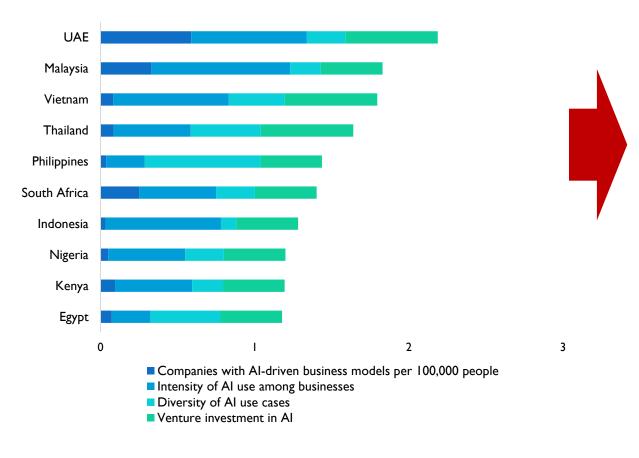


Source: Nextrade Group. Note – Al strategy is broken into 6 further components like whether government promotes interoperability in Al governance with other countries and encourages risk-based assessments.

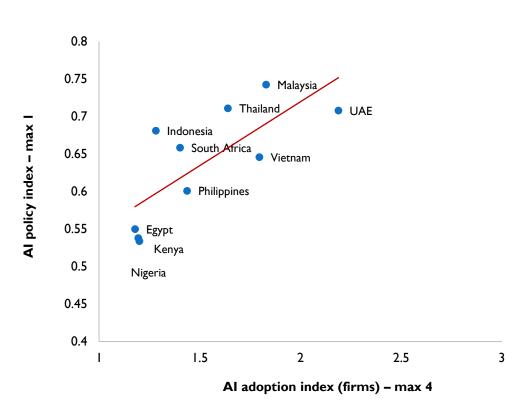


DIFFUSION OF AI AMONG SMES IS CORRELATED WITH THE ADOPTION OF AI-ENABLING POLICIES (DATA TO BE EXPANDED IN 2024)

Index of prevalence and intensity of Al use among emerging market startups and SMEs (max: 4)



Al adoption by businesses and Al policy readiness, selected economies



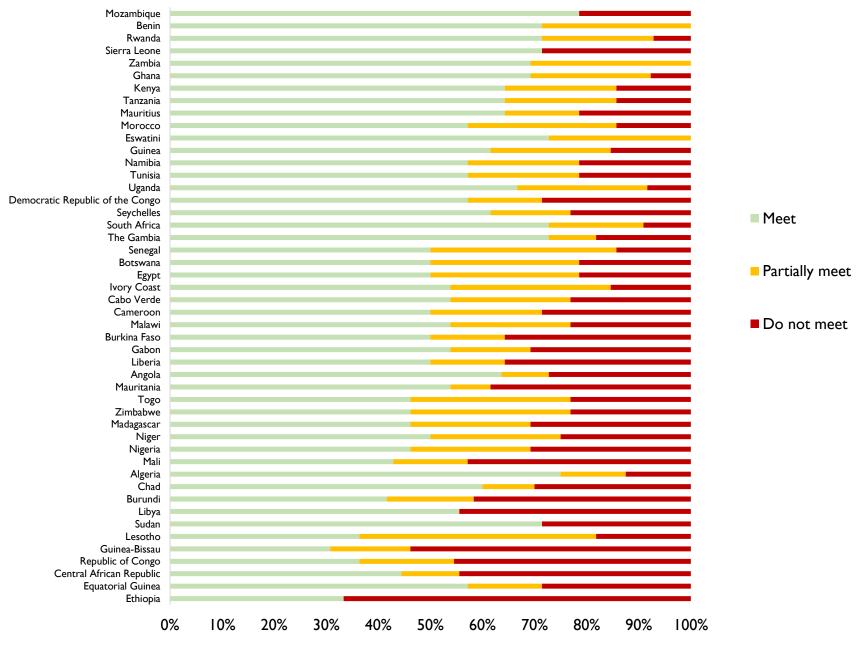
NEXT STEPS FOR TECH FOR TRADE AND ETRADE ALLIANCES IN 2024

- In 2024, we will continue deepening on these data and policy prescriptions via dialogues with African governments on the AFCFTA Digital Protocol and Al Strategy
 - Aiming to start with East Africa
- Policy dialogues continue to be held regularly with USG as on Al, DPls, data transfer, etc.
 - Next one planned for end of February on DPIs and government procurement
- Nextrade Group will also bring data on the extent to which African governments adopt and implement the AFCFTA Digital Protocol, to:
 - Identify countries that need technical assistance to adopt appropriate laws and regulations
 - Monitor countries' compliance with their AFCFTA commitments
 - See our AFCFTA Digital Protocol implementation data below final data out in Q1 2024



Do African countries meet potential 20 provisions of the AFCFTA Digital Protocol (if the protocol is USMCA digital trade chapterstyle)?

Most countries at are 30-50% from full implementation





% of AFCFTA Digital Protocol provisions

Example of mapping - meet potential 20 provisions of the AFCFTA Digital Protocol?

Country	Egypt	Botswana	Ghana	Kenya	Morocco	Mozambique	Namibia	Niger	Nigeria	Rwanda	South Africa	
Electronic transaction framework	•	•	•	•	•	•	•	•	•	•	•	
Electronic signatures admissible, legal, and enforceable	•	•	•	•	•	•	•	•	•	•	•	
Moratorium on customs duties on electronic transmissions	•	•	•	•	•	•	•	•	•	•	•	■ Meet
Data privacy law in place	•	•	•	•	•	•		•	•	•	•	■ Partially meet
Free crossborder transfer of data of personal information						•						■ Do not meet
Online consumer protection regulation	•	•	•	•	•	•		•	•	•	•	
Cybersecurity capabilities		•	•	•		•	•	•		•	•	
Paperless trade - Information on the Internet	•	•	•	•	•	•	•	•	•	•	•	
Paperless trade - Accept digital trade documents	•	•	•	•	•	•	•	•	•	•	-	
Crossborder paperless trade	•	•				•	•		•		-	



Example cont. – do countries meet potential 20 provisions of the AFCFTA Digital Protocol?

Country	Egypt	Botswana	Ghana	Kenya	Morocco	Mozambique	Namibia	Niger	Nigeria	Rwanda	South Africa	
National digital strategy	•	•	•	•	•	•	•	•	•	•	•	
National cloud first or cloud smart or similar strategy that guides and promotes cloud adoption across government agencies?	•	•	•	•	•	•	•	•	•	•	•	
National AI strategy/policy/guidance?	•	•	•	•		•		•			•	
Does the national AI strategy / regulation / guidance have provisions / plan for AI skilling and capacity-building?	•	•	•	•	•	•	•	•	•	•	•	■ Meet ■ Partially mee
Does the national AI regulation or guidance support a risk-based approach?	•	•	•	•	•	•	•	•	•	•	•	■ Do not meet
Does the AI strategy or regulation call for international coordination or interoperability in AI governance?	•	•	•	•	•	•	•	•	•	•	•	-
Internet connection charge sharing	•		•	•			•	•		•	•	
Digital inclusion (Cost of smartphones)	•	•			0	•		-	•			

