

BROOKINGS | QUALITY. INDEPENDENCE. IMPACT.

## Enhancing SME Financing in Africa: The Role of NonBanks

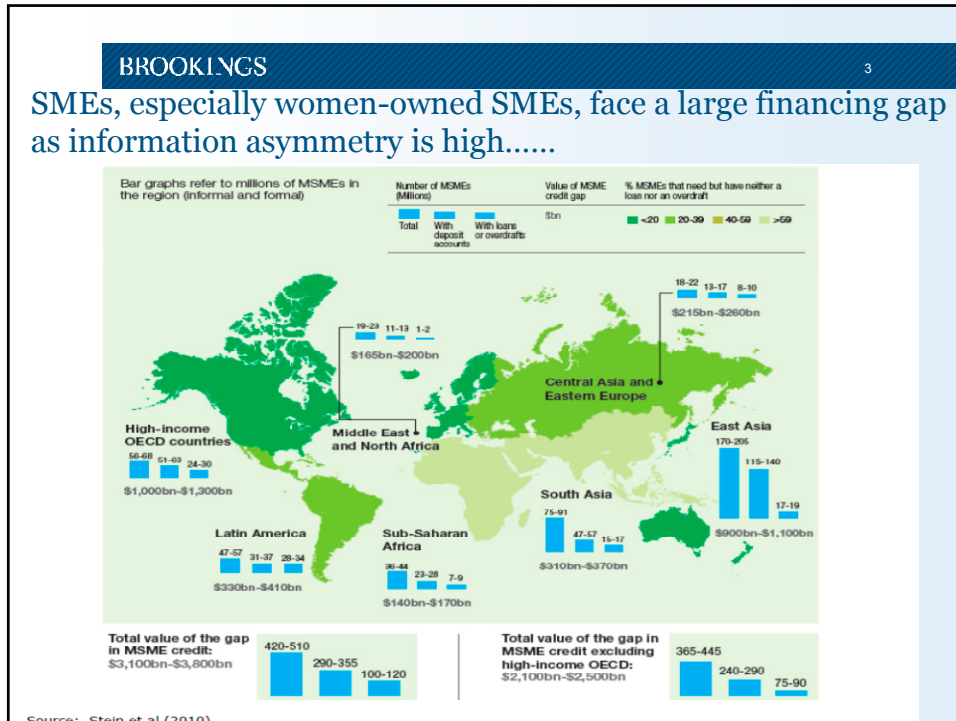
Finance for All: Promoting Financial Inclusion in West Africa  
ECOWAS Regional Conference, September 20, 2016, Dakar, Senegal

Amadou N. R. SY  
Africa Growth Initiative

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### 1. Is There a Role for Nonbanks in Enhancing Financial Inclusion?

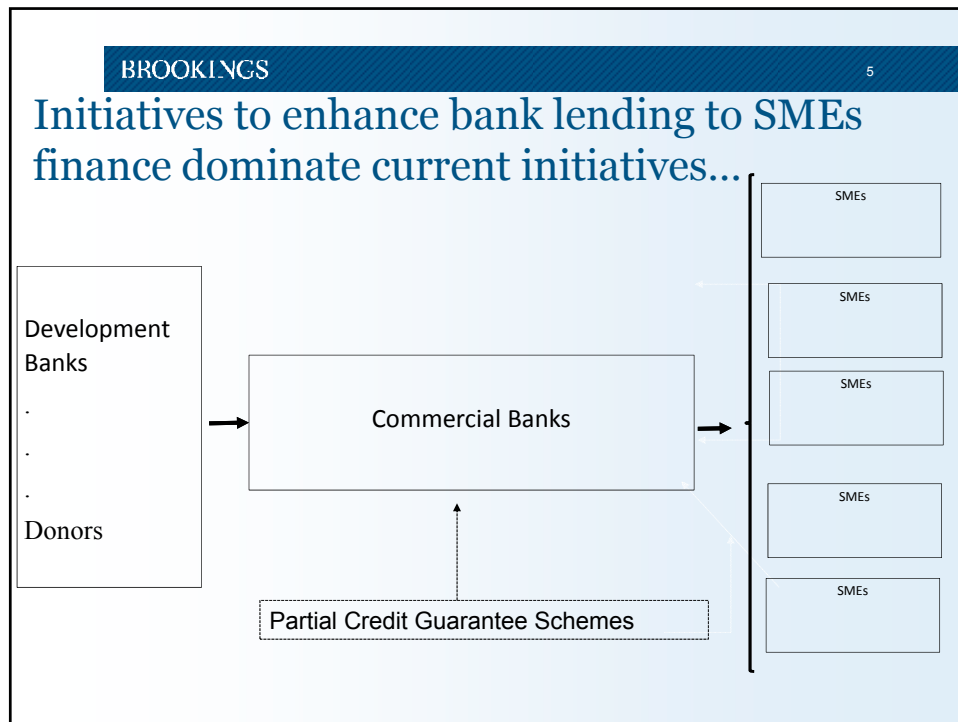
The limits of Bank SME Finance



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**...collateral constraints are often cited as a key financing challenge for SMEs...**

Economy	Percent of firms identifying access to finance as a major constraint	Proportion of loans requiring collateral in order to get the financing	Value of collateral needed for line of credit as a percentage of the value of the line of credit.
Sub-Saharan Africa	36.8%	83.5%	214.2%
All Countries	25.7%	78.7%	205.1%



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### Bank financing is the main source of SME finance...BUT

- Collateral is still needed, costs can be high, and maturities are typically short;
- SMEs in some sectors (e.g technology, services...) do not have enough collateral;
- SMEs may not be able to pledge existing collateral when property rights/contract enforcement are weak (e.g. land issues);
- **Cost of credit risk assessment to reduce information asymmetry is fixed and not low enough to push banks to finance SMEs.**

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## Current SME financing toolbox includes (Hamilton and Beck, 2016)

- Partial Credit Guarantee Schemes
- Credit/Equity Lines to financial institutions
- Lease finance
- General equity funds to SMEs
- Financial government benefits for SMEs: tax benefits (tax holidays, VAT threshold, tax allowances or credits, preferential tax treatment) and tax relief for other investments in SMEs
- Loan and grant funding to support SMEs/Blended finance (loans and grants)
- **Innovative and Technology based Solutions (FinTech)**

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## The IFC strategy for sub-Saharan Africa includes...

- **Financial Institutions Group:** investments in financial institutions and financial services providers; advisory services to clients;
- **Financial Infrastructure:** building and enhancing the necessary FI for financial inclusion (collateral registries, credit reporting frameworks, leasing, insurance)
- **Partnership for FI:** established in 2012 is a 7-year \$37.4 million initiative to expand microfinance and advance digital financial services in the region.

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## Takeaway

### Bank lending to SME has some limitations:

- Because the fixed cost of credit risk assessment to reduce the large information asymmetry between SMEs and banks is too high (or not low enough) to push banks to finance SMEs without an element of subsidy;
- Because some SMEs are in sectors with little collateral (technology and services) or in environments where contract enforcement is weak (land rights);

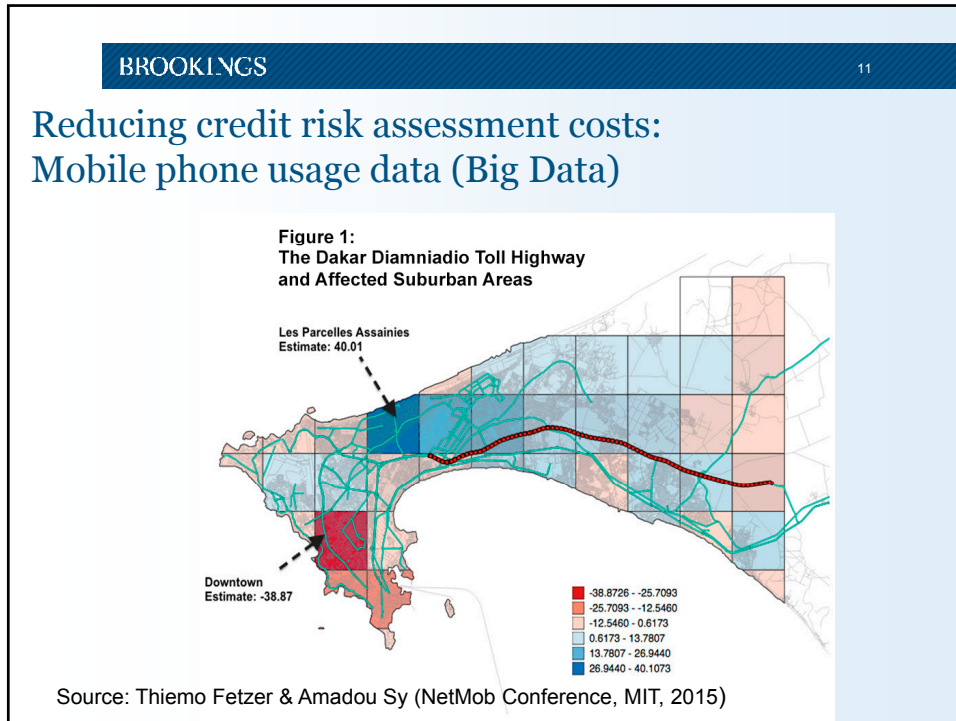
**Innovative and Technology based Solutions (FinTech) can help overcome these limitations.**

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## 2. Enhancing the Role of Nonbanks in SME Finance

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Reducing Credit Risk Assessment Costs through  
Technology and Innovation (FinTech)

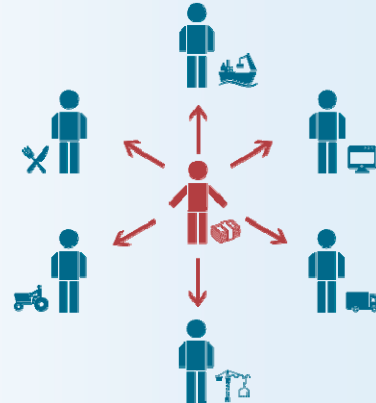


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### Online Aggregator Platform for SMEs [www.validus.sg](http://www.validus.sg) Peer-to-Business (P2B)

**Investors**




- Focus on **accounts receivable** and **working capital financing** to allow SMEs to access finance and grow;
- Very short term maturities help reduce credit risk
- Use technology to significantly reduce costs of credit risk analysis
- Diversify and fractionalize risk by spreading lending across many businesses over time



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### Online Aggregator Platform for SMEs [www.validus.sg](http://www.validus.sg) Peer-to-Business (P2B)

**Borrowers**

- Fast approval 
- Low interest rates 
- Financing 

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## Online Aggregator Platform for SMEs [www.validus.sg](http://www.validus.sg) Peer-to-Business (P2B)

<b>ACCOUNTS RECEIVABLE FINANCING</b>	<b>WORKING CAPITAL FINANCING</b>
<ul style="list-style-type: none"><li>• Accelerate cash flows by offering invoices or accounts receivables for financing.</li><li>• Use the available capital to meet your operational overheads.</li><li>• The duration for the funding could be for 30/60/90 days.</li><li>• Credit Bureau checks the payment ratings for “buyers”, and the better the rating of the “buyers”, the lower the rate</li></ul>	<ul style="list-style-type: none"><li>• Get loans for 6/9/12 months to fulfil your working capital requirements.</li><li>• Pay your suppliers better, manage your growth with a strong cash flow, or refinance an existing loan that is at a higher interest rate from other financial institution.</li><li>• Once you pay back your dues in time, your interest rate gets lowered for your next loan application on the platform.</li><li>• Build your track record and your credibility with the credit bureau</li></ul>

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## Peer-to-Peer (P2P) Lending: Lufax (China)

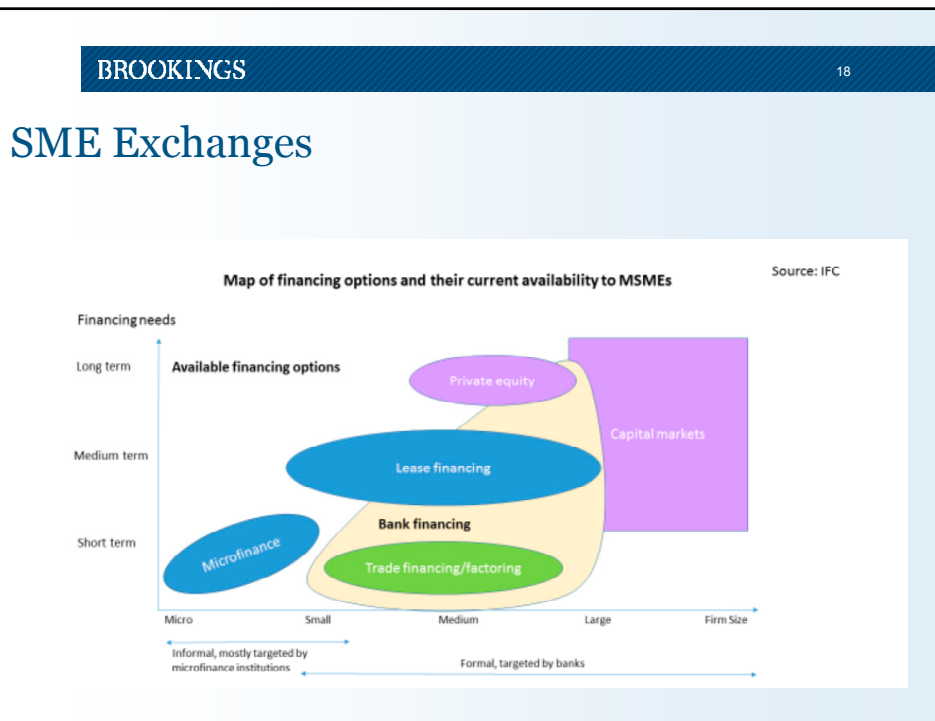
- Lufax is the world’s third largest P2P firm and the fastest growing; It has been created by Ping An Insurance Company of China;
- Lufax uses Ping An’s balance sheet to guarantee all of its loans;
- Products include unsecured P2P loans with average maturity of 1-3 years (with a secondary market for their trading); real-estate-mortgaged investment products with an average maturity of 3-12 months.
- Lufax rates its customers using a proprietary risk model building on the borrower’s educational background, occupation, job stability, and the purpose of the loan.
- In addition to the proprietary model, it prices risks by surveying a company’s operations, drawdown, business teams’ capabilities...

<http://www.lendacademy.com/lufax-p2p-firm-china/>



### 3. Enhancing the Role of Nonbanks in SME Finance

Would Increased Capital Markets Investment Work?



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## Takeaways

**Bank lending to SME has some limitations:**

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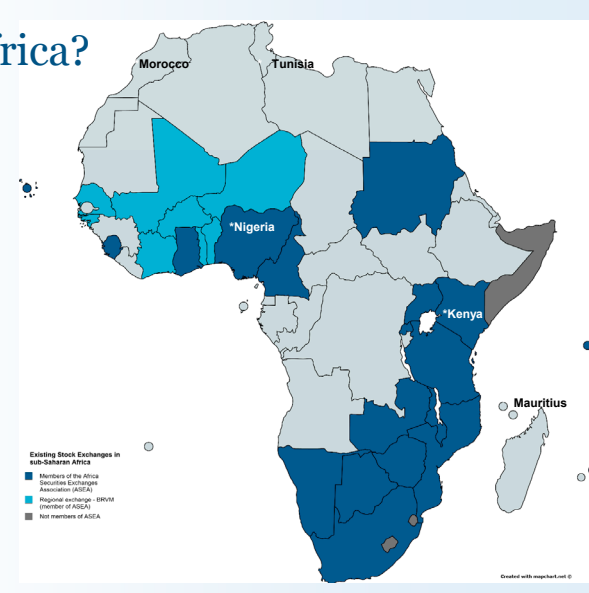
**Innovative and Technology based Solutions (FinTech) can help overcome these limitations.**

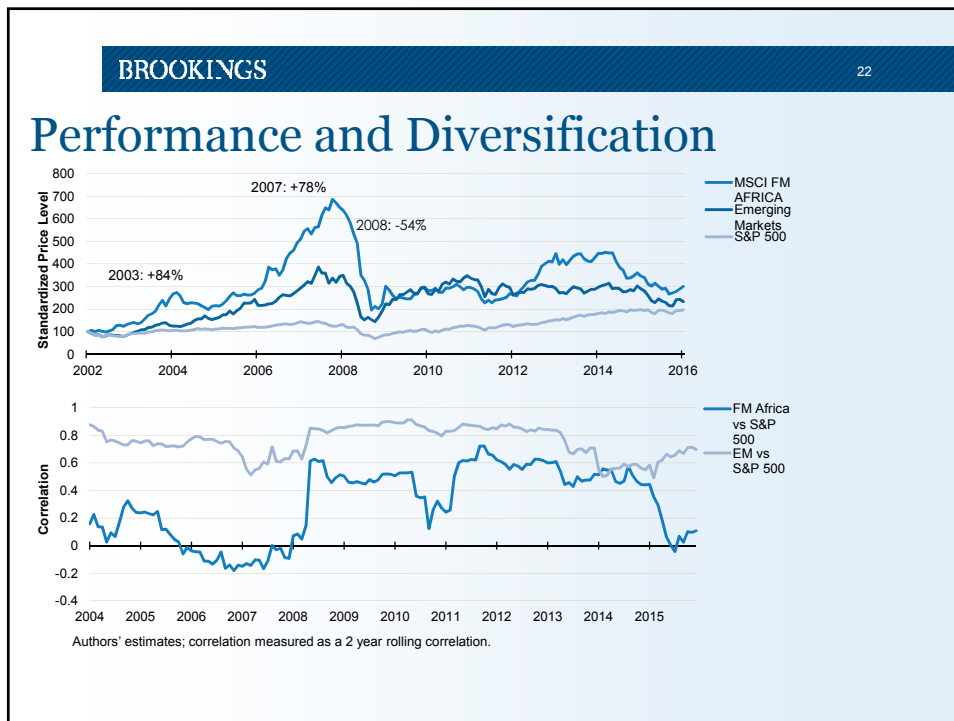
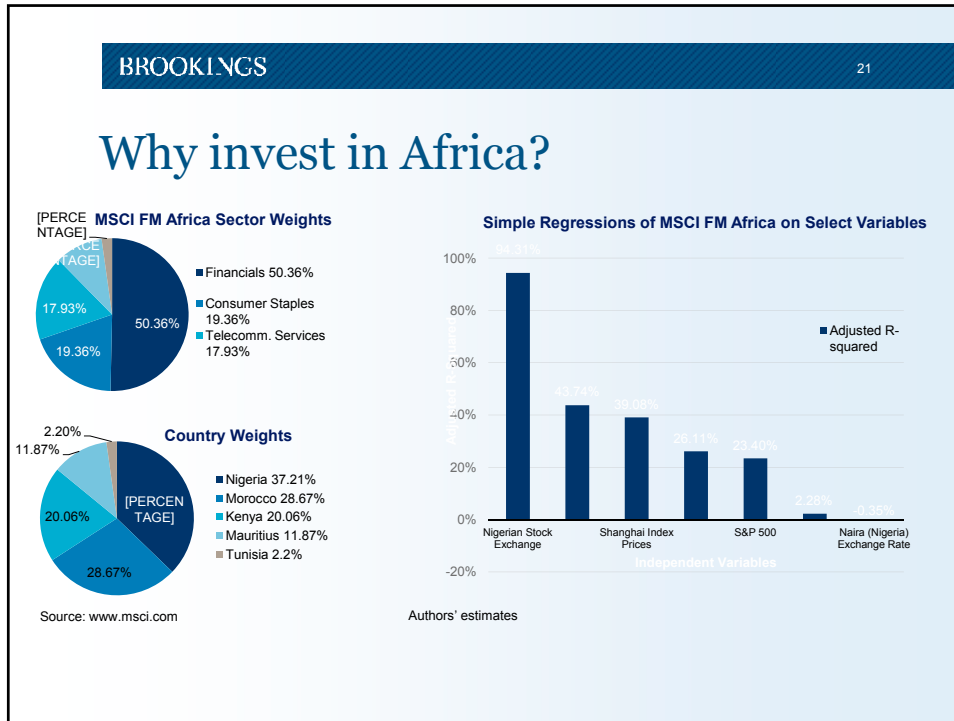
**SMEs, depending on their stage of growth, need different types of financing. Larger and mature SMEs can access equity markets but these will need to be adapted.**

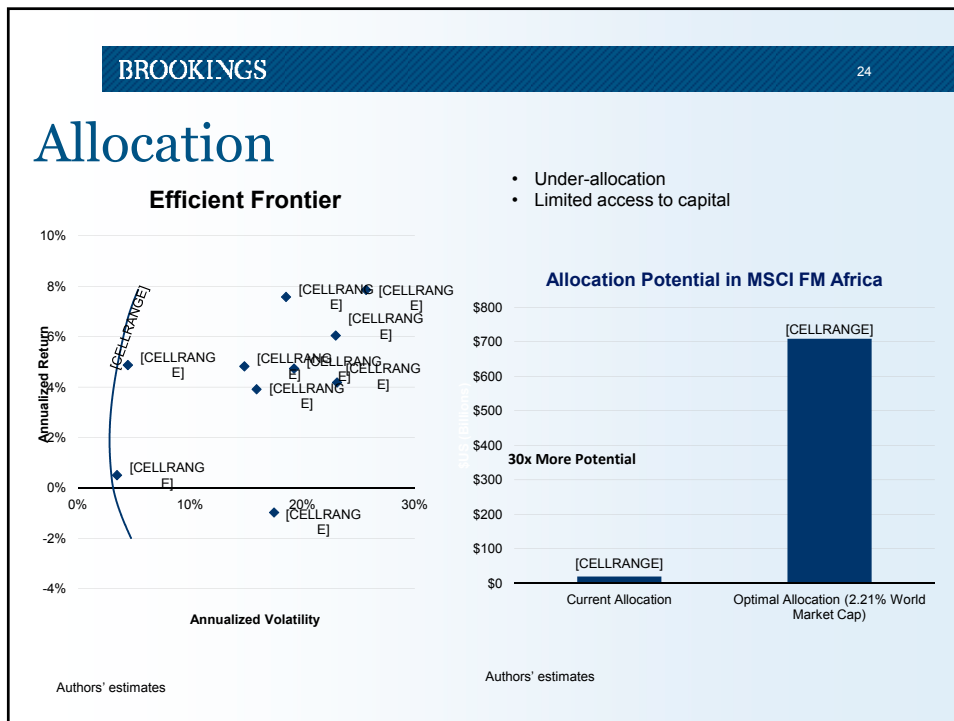
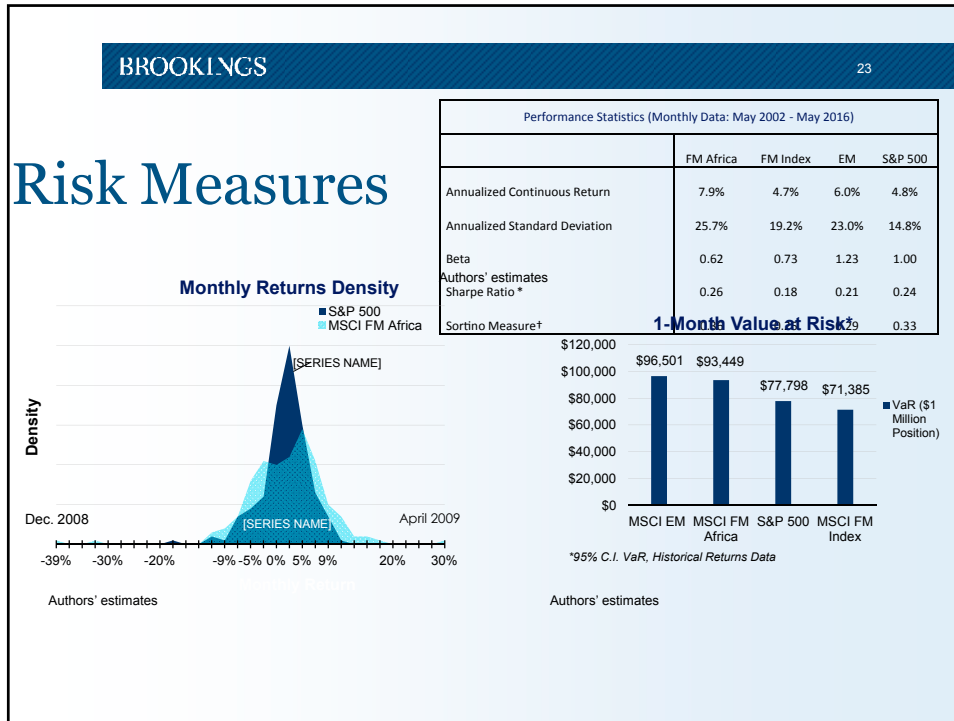
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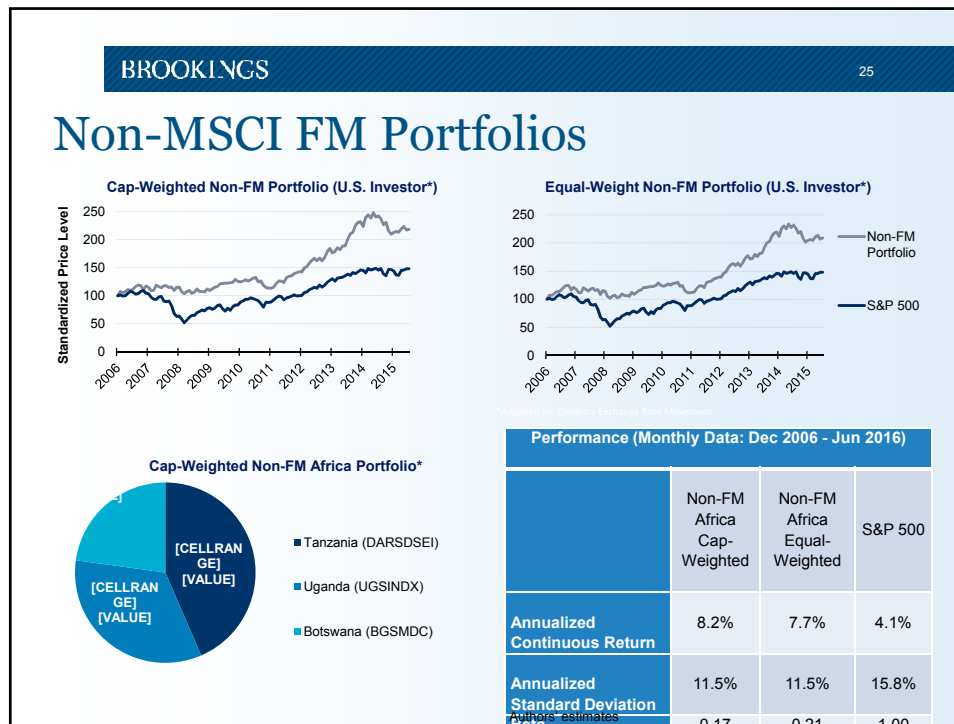
## Why invest in Africa?

MSCI FM Classification Requirements	
Company size	\$620M
Security size	\$49M
Security liquidity	2.5% ATVR†
Openness to foreign ownership	At least some
Ease of capital inflows/outflows	At least partial
Efficiency of the operational	









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## Takeaways

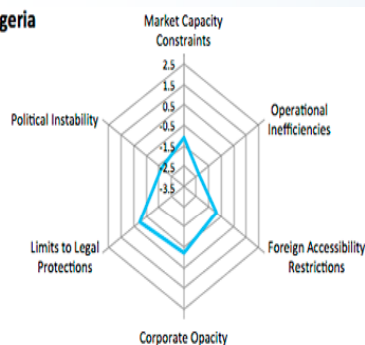
- There is a case for investing in African equity markets from a risk/return and diversification perspective;
- There is a case for significantly scaling up existing global investment in African equity markets from an efficient frontier perspective...
- But investors are not coming. Why?

## Constraints to Investment in Africa

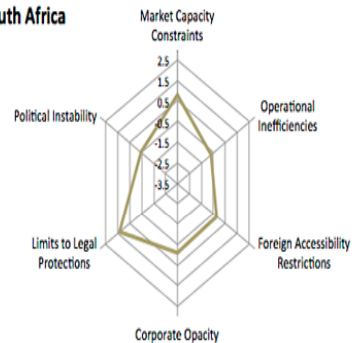
- Size requirements
- Liquidity
- Operational inefficiency
- Capital controls
- Political instability
- Lack of governance and legal protections

## Constraints to Investments

E17: Nigeria





E26: South Africa



The radar diagrams below by country indicate their respective fundamental risk indicator scores in 2012. The scores are obtained using principal component analysis (PCA) using procedures explained in Chapters 4 to 9 in Karolyi (2015, Oxford University Press). The scores are standardized on a Normal scale for all 57 emerging (shown below) and developed countries; scores that are negative indicate greater fundamental risks and those that are positive, less fundamental risks. <http://www.emergingmarketsenigma.com/>

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## Addressing constraints: Regional Integration

African Securities Exchanges Association

African Development Bank

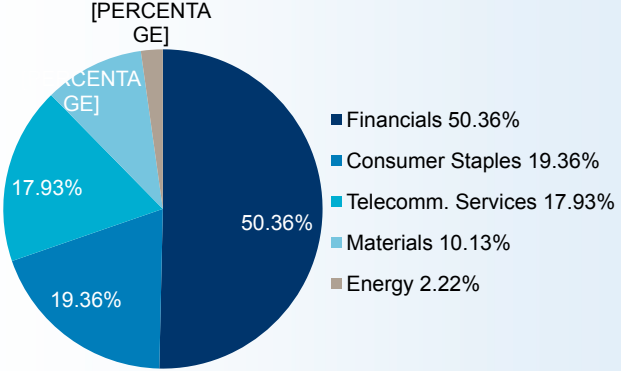
Regional Exchange(s): BRVM

African Exchanges Linkage Project

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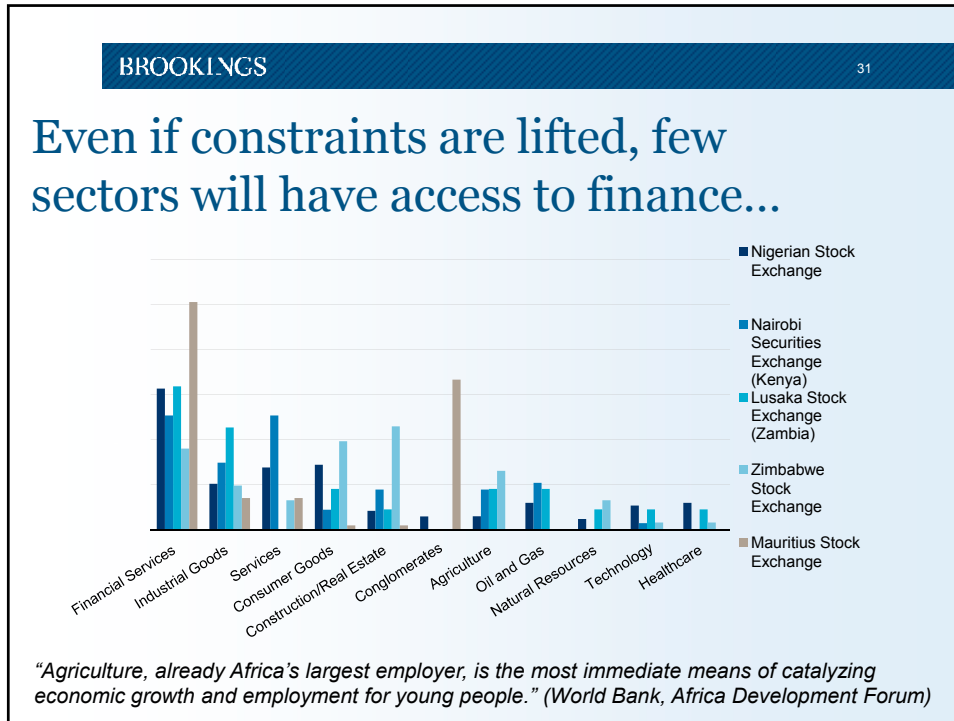
## Even if constraints are lifted, few sectors will have access to finance...

[PERCENTAGE]



**MSCI FM Africa Sector Weights**

Sector	Weight (%)
Financials	50.36%
Consumer Staples	19.36%
Telecomm. Services	17.93%
Materials	10.13%
Energy	2.22%



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## Only a few large companies will have access to finance...

### TOP 10 CONSTITUENTS

	Country	Mkt Cap ( USD Billions)	Index Wt. (%)	Sector	Sector Wt. (%)
MAROC TELECOM	MA	2.13	9.02	Telecom Srvcs	50.3
SAFARICOM	KE	2.11	8.91	Telecom Srvcs	49.7
NIGERIAN BREWERIES	NG	1.93	8.17	Cons Staples	42.2
ATTIJARIWABA BANK	MA	1.43	6.05	Financials	12.0
MCB GROUP	MU	1.41	5.96	Financials	11.8
ROCKCASTLE GLOBAL (ZA)	MU	1.40	5.90	Financials	11.7
GUARANTY TRUST BANK	NG	1.21	5.11	Financials	10.2
EAST AFRICAN BREWERIES	KE	1.09	4.59	Cons Staples	23.7
NESTLE FOODS NIGERIA	NG	0.95	4.03	Cons Staples	20.8
ZENITH BANK	NG	0.88	3.70	Financials	7.3
<b>Total</b>		<b>14.55</b>	<b>61.45</b>		

MSCI FM Africa. Source: [www.msci.com](http://www.msci.com)



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### 3. Enhancing the Role of Nonbanks in SME Finance

Adapting Capital Markets through SME Exchanges

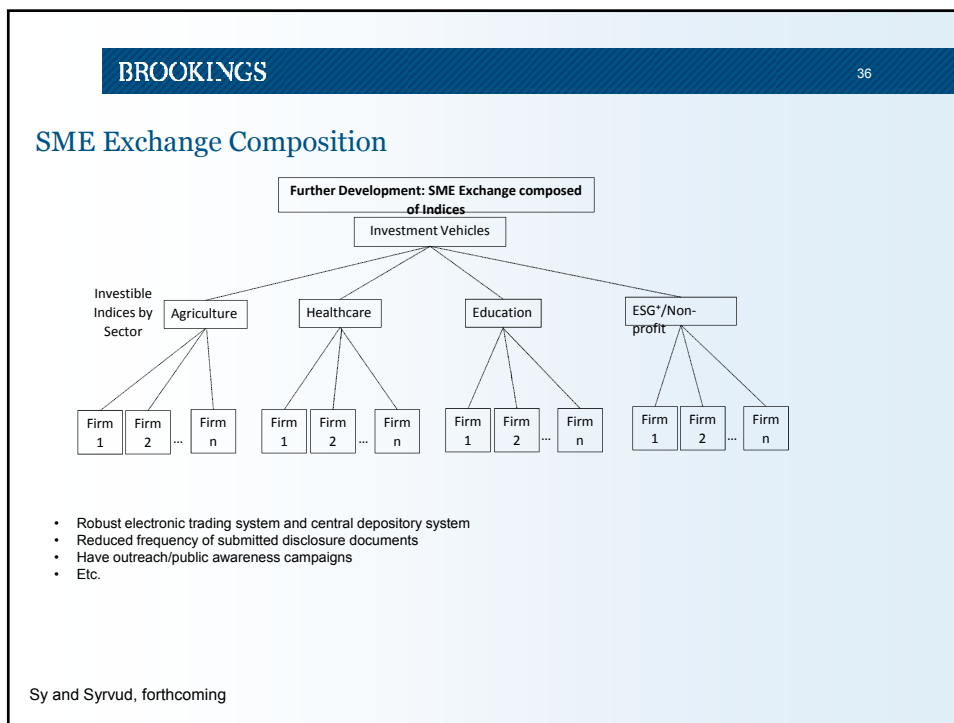
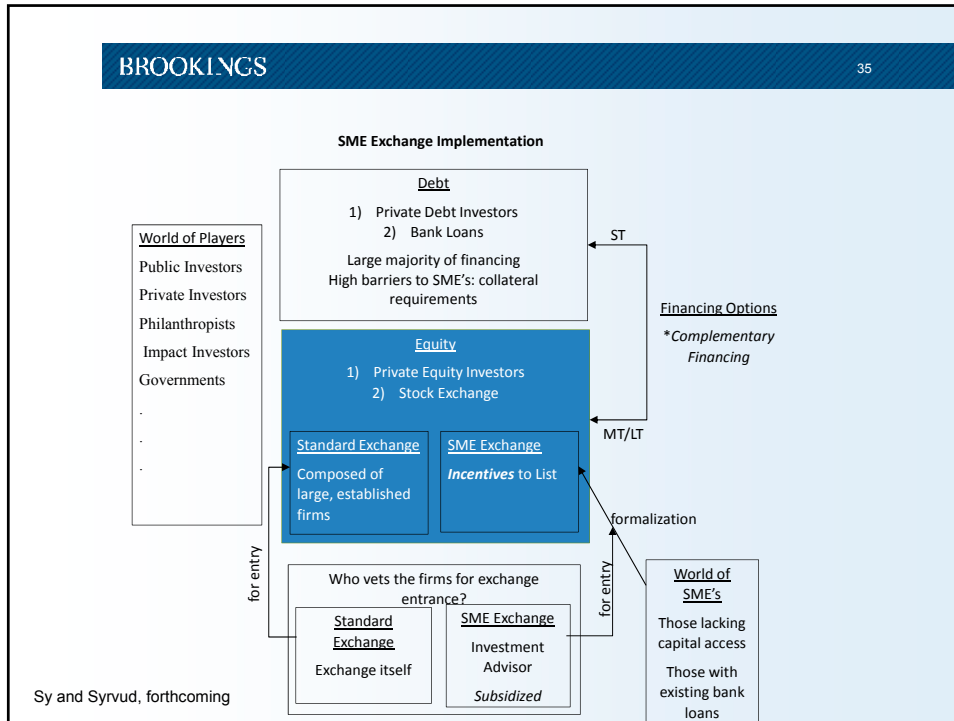
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#### SME Exchanges (Harwood & Konidaris, 2015)

Initiatives in Africa include the JSE AltX (South Africa) and the Alternative Securities Market (ASeM Nigeria). Harwood & Konidaris (2015) recommend to

- Focus on SMEs with a sizeable growth rate
- Have the SME exchange legally related to the main board
- Do not reduce disclosure content to reduce costs
- Allow private placements
- Have well regulated advisors to vet issuers and provide comfort about the quality of the issue
- Have outreach, public awareness campaign and training for SMES
- Consider tax incentives for investors.



## Five Takeaways

### 1. Bank lending to SME has some limitations:

- Because the fixed cost of credit risk assessment to reduce the large information asymmetry between SMEs and banks is too high (or not low enough) to push banks to finance SMEs without an element of subsidy;
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### 2. Innovative and Technology based Solutions (FinTech) can help overcome these limitations.

## Five Takeaways

**3. SMEs, depending on their stage of growth, need different types of financing. Larger and mature SMEs can access equity markets but these will need to be adapted.**

**4. Regulation will need to keep pace with innovation.**

**5. SMEs should be a priority for policymakers, they create jobs. It is a political win-win!**

## References

- Hamilton Kerry & Thorsten Beck, 2016, “SME-Financing—How To: Topic Guide,” EPS PEAKS
- Harwood Alison & Tanya Konidaris, 2015, “SME Exchanges in Emerging Market Economies: A Stocktaking of Development Practices”, World Bank
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Thank You!

Brookings Africa Growth Initiative

<http://www.brookings.edu/about/projects/africa-growth>