What Are the Determinants of Financial Market Development in Sub-Saharan Africa?

Scott Standley  Senior Research Officer - INTERNATIONAL MONETERAY FUND
April 22 2010

Sub-Saharan Africa’s financial markets are generally immature and are widely characterized by their low level of activity and the domination of the banking sector. However, if a market and its economy have proportional sizes, it is possible to go beyond the constraints of scale by promoting regional integration. Here again, nothing is simple and it would certainly seem necessary to go slowly. Immediate reforms can however be envisaged.

The benefits of deep financial markets have been extensively documented. Efficient, well-regulated markets mobilise capital and channel resources into productive investments. They also help better manage and diversify risk, mobilise savings and monitor the corporate sector. With this in mind, increasing attention has been paid to developing and deepening financial markets in many Sub-Saharan African countries over the last decade. National development strategies have included plans to create new markets or augment existing ones, and both multilateral and bilateral donors have supported such efforts.

Despite these trends, most financial markets in Sub-Saharan Africa remain underdeveloped and are not yet effective tools for improving economic prospects. The character of each domestic financial sector – and indeed all aspects of each economy – varies across countries, but many have immature domestic capital markets and rely on relatively shallow banking sectors. Outside of South Africa, equity markets in Sub-Saharan Africa are small and illiquid, and few countries operate viable domestic bond markets.

However, according to a large number of studies, the low development level of financial markets is not surprising. Increasing evidence suggests that the size of a financial market is related to the size of its economy. Given the small size of the majority of Sub-Saharan African economies, efforts to further integrate capital markets, in particular by promoting cross-border listings and sharing of technologies, are relevant, in addition to reforms to improve the efficiency of the banking sector and the legal and regulatory environments.

African financial sector: dominant banking sectors and immature financial markets

Banks still dominate the financial systems of most African countries, as few operate efficient capital markets and most tend to rely primarily on commercial banks for finance. The banking sectors of most African countries, however, do not yet have sufficient depth to play a catalytic role in promoting the development of a deep financial sector. Most standard indicators of banking sector depth are low compared to the rest of the world: credit to the private sector is limited, assets are highly concentrated in a small number of banks, and the total volume of assets is low (Table 1). Legal and regulatory structures have also been insufficient in many countries, with property rights poorly defined, contract enforcement weak and creditor protection deficient.
Most Sub-Saharan African countries, meanwhile, do not yet operate a viable stock market. Although there are at least 18 stock exchanges in the region, several of these have been largely inactive while others have grown considerably over the past decade – at least until the onset of the global financial crisis. With few exceptions, however, these markets can be described as having few company listings, low market capitalisation and low liquidity (Table 2).

The Johannesburg Stock Exchange (JSE) in South Africa is the obvious exception, and in 2008, the JSE accounted for nearly 85% of Africa’s total market capitalisation. Although the size of the other African exchanges varies, in general they are small relative to markets in the rest of the world. As an illustration, the total market capitalisation of all Sub-Saharan exchanges, excluding South Africa, was USD 90 billion at the end of 2008 – less than the size of the Thai exchange (Table 2).

Most African exchanges are also relatively illiquid compared to those in other regions; Sub-Saharan exchanges had an average turnover ratio of 10% in 2008 compared to 50% in emerging Asian economies. Such low levels of activity make it difficult to attract the volume of participation necessary to enlarge and deepen markets. Whereas efforts have been made by many exchanges to update their market infrastructures (seen as an obstacle to their expansion), the actual number of trades is still very low. While there are several million trades each year in larger emerging markets such as Brazil, there are fewer than 100 in some larger African exchanges.

If Sub-Saharan African equity markets remain underdeveloped, domestic bond markets are even more so. Few countries in Sub-Saharan Africa have a mature domestic bond market, and existing ones are shallow and inefficient. This can be partly explained by the fact that during the last two decades many African countries relied on easy access to concessional finance – access which impeded the development of domestic bond markets and led to debt profiles dominated by foreign currency. To date, African domestic bond markets are mostly not major channels of capital, as issues are few and erratic and most have short-term maturities of less than a year (Blommestein and Horman, 2007). These characteristics have constrained the establishment of reliable yield curves and pricing benchmarks, and have also limited growth of the investor base.

**Determinants of financial market development**

Developing efficient financial markets is not a short-term project. Much of the evidence suggests that the main drivers of financial market depth are the policy and institutional environments in which these markets operate – a finding that does not lend itself to quick fixes to prop up markets. Achieving deep and efficient financial markets will likely be difficult in the absence of corresponding policies that promote economic stability and stimulate investor confidence.

While transparent macroeconomic management and general political stability is necessary to attract investment, some specific reforms can be undertaken in the medium term. The legal and regulatory frameworks underpinning the financial system, for example, have consistently been shown to influence the depth of financial markets. To date, both banking sector and capital market development have been constrained by relatively weak regimes. Stronger legal structures and regulatory bodies to better define property rights, enforce contracts and protect investors are needed before financial systems can operate effectively.

The sequencing of reforms is also important, and a strategy may start with initiatives to improve the efficiency of banking services, given evidence that countries with well-developed capital markets also generally have deep banking sectors (Andrianaivo and Yartey, 2009). Financial institutions and markets may grow simultaneously, but a focus on developing capital markets may be premature in countries lacking a sufficiently deep banking sector and adequate demand from firms for alternative financing instruments. An initial focus on improving banking services – such as through upgrading collateral registries and creditor rights protection – may be appropriate (Beck et alii, 2009; Gulde et
Financial market size is also strongly related to the size of the economy – a finding that is true for both equity and debt markets – with the size and activity of most exchanges aligned with each country’s level of economic development. This suggests that some countries may be too small to develop viable capital markets even with appropriate macroeconomic policies and institutions, leading to calls for regional equity markets and regional bond issues to help overcome scale constraints. The most prominent regional initiative to date has been the Abidjan-based Bourse régionale des valeurs mobilières (BRVM), although its ability to overcome problems that plague small exchanges has been limited. Establishing functional regional exchanges is complex, requiring significant technological investment and the surmounting of non-trivial administrative and political barriers. For example, participating countries need to harmonise their trading systems, legal regulations, reporting standards and taxation schemes. Stock markets are also potent national symbols, and political resistance may arise in countries joining a regional exchange based elsewhere.

The launch of regional exchanges may thus be unrealistic in the short term. Initiatives to partially integrate markets, however, may be constructive alternatives. In particular, smaller exchanges may profit by capitalising on existing systems of more advanced exchanges in their region. Such efforts include cross-listing stocks, harmonising listing requirements and regulations, and jointly using automated systems. Some efforts are already underway. Firms from several countries for example, have already cross-listed stocks both domestically and on the JSE. Exchanges in the Southern African Development Community (SADC) have also tried to integrate more deeply by harmonising their company listing requirements based on the JSE systems. In East Africa, several Kenyan companies have cross-listed in Tanzania and Uganda, and the three exchanges have also established a common Securities Regulatory Authority and initiated a joint automated trading platform. Such efforts should be encouraged more widely alongside strategies to strengthen legal frameworks as constructive steps to help develop financial markets.

Footnotes

¹ The views expressed in this article are those of the author and should not be attributed to the IMF, its Executive Board or its management.
² Including the regional Bourse Régionale des ValeursMobilières (BRVM) based in Cote d’Ivoire that lists companies from eight west-African countries.
³ Most exchanges now have automated trading and a central depository system. The frequency of trading has also increased, with most exchanges trading equities five days a week—though some trade for only a few hours a day.
⁴ The BRVM has branches in each participating country and trading takes place through satellite links with a centralized settlement and clearing system. While the exchange has grown, it still suffers from size and liquidity shortcomings. Activity has also been mostly limited to Ivorian firms and companies in smaller member countries have not benefited substantially.
⁵ An announced regional exchange for central Africa never got off the ground after disagreement about the host country. Competing exchanges in Gabon and Cameroon have been essentially inactive.
