

Capital Market Development in Ethiopia: Theoretical Perspectives, Current Progress, and Policy Implications

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Abstract

This review examines the evolution, challenges, and prospects of capital market development in Ethiopia amid the historic launch of the Ethiopian Securities Exchange (ESX) in 2025. Grounded in the Efficient Market Hypothesis (EMH), Capital Asset Pricing Model (CAPM), Market Sequencing Theory, and Arbitrage Pricing Theory (APT), this paper explores their empirical relevance to the Ethiopian context. It reviews recent legislative, regulatory, and macroeconomic changes shaping the capital market landscape, assesses progress and bottlenecks of the ESX, and situates Ethiopia's experience within broader African and global capital market trends. Drawing on recent Ethiopian, African, and international sources, the paper discusses the influence of regional integration, digital infrastructure, investor behaviour, financial intermediation, ESG imperatives, and sustainable finance. It concludes with policy recommendations to build a resilient, inclusive, and efficient capital market ecosystem, proposing pathways for leveraging market development as a driver for economic transformation in Ethiopia and lessons for other emerging markets.

Keywords: Securities Exchange; Capital Market; Efficient Market Hypothesis (EMH); Investor Behaviour; Sustainable Finance; Financial Integration

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Introduction

The establishment of the Ethiopian Securities Exchange (ESX) in 2025 marks a transformative milestone in the country's financial history, signalling a decisive move from a bank-centric financial system towards a diversified capital market structure (ESX, 2024; AfDB, 2025). For decades, Ethiopia's financial landscape was characterised by state dominance, limited product offerings, and the absence of organised securities trading. The ESX's arrival represents not only a policy response to longstanding capital constraints but also Ethiopia's ambition to deepen financial intermediation, attract domestic and foreign investment, and accelerate private sector-driven development (Bogale *et al.*, 2022; Gashaw, 2024).

This momentum is rooted in significant macroeconomic and policy shifts, including macroeconomic reforms, liberalisation of financial markets, opening to foreign investors, digital transformation initiatives, and participation in regional and global economic blocs such as BRICS and the African Continental Free Trade Area (AfCFTA) (Finance in Africa, 2025; IMF, 2025). Yet, while opportunities abound, Ethiopia's capital market faces substantial obstacles: shallow financial depth, limited financial literacy, gaps in technological and regulatory readiness, and the challenge of balancing stability with growth (CFR, 2025; EEA, 2022).

By integrating seminal theoretical frameworks, the Efficient Market Hypothesis (EMH), the Capital Asset Pricing Model (CAPM), the Market Sequencing Theory, and the Arbitrage Pricing Theory (APT) with an evidence-based examination of the ESX and the broader financial ecosystem, this paper aims to answer key questions: How applicable are these theories within the Ethiopian context? What empirical lessons can be drawn from Ethiopia's and Africa's capital market journeys? How can policy and market actors foster an inclusive, liquid, and sustainable Ethiopian capital market?

Literature Review

Concepts of Capital Markets

The concept of capital markets encompasses various dimensions, including their structure, functions, and the regulatory frameworks that govern them. Capital markets serve as platforms for the trading of long-term financial instruments, facilitating the flow of funds from savers to borrowers. This overview will explore the key aspects of capital markets, including their definitions, roles, and the influence of corporate governance.

Definition and Structure: Capital markets are defined as markets for long-term funds, involving institutional arrangements for borrowing and lending medium to long-term capital (Singh, 2014). They

include various instruments such as stocks, bonds, and Sukuk, particularly in Islamic finance, which adheres to Shari'ah principles (Maiyaki, 2013).

In economic development, Capital markets play a crucial role by providing financing for viable investment projects, thereby enhancing overall economic growth (Draženović & Kusanović, 2016). They facilitate access to finance for firms, which can improve their financial performance and corporate governance standards, creating a positive feedback loop for market development (Haque et al., 2008).

Market Dynamics and Challenges: The efficiency and depth of capital markets can be measured through indicators like market capitalisation and the number of listed securities. Challenges include regulatory hurdles and the need for innovative financial products to meet market demands, particularly in developing economies (Maiyaki, 2013; Ogbeide *et al.*, 2022). While capital markets are essential for economic growth, their effectiveness can be hindered by poor corporate governance and regulatory inefficiencies. Addressing these issues is crucial for maximising the potential of capital markets in both developed and developing countries.

Capital Market Development in Sub-Saharan Africa. Capital market development has been a recurring focus in Sub-Saharan Africa's economic reform agenda over the past three decades. Empirical studies point to a positive association between well-functioning capital markets, financial deepening, and economic growth (Beck *et al.*, 2000; World Bank, 2020). The proliferation of stock exchanges across Africa, from established bourses such as the Johannesburg Stock Exchange (JSE) to newer entrants like Rwanda and now Ethiopia, reflects the growing recognition of capital markets as engines for channelling long-term finance to both the public and private sectors (Emerging Africa Group, 2025).

African capital markets, however, remain beset by limited breadth and depth. Trading activity is often concentrated in a handful of large firms, with low volumes and liquidity (AfDB, 2025; African Markets, 2025). Constraints include macroeconomic volatility, currency risks, shallow institutional investor bases, technological bottlenecks, and uneven regulatory sophistication (IMF, 2025; Bogale *et al.*, 2022). Market segmentation within countries and across the continent impedes efficient capital allocation and regional integration (Nyakundi Report, 2025).

Capital Markets in Ethiopia: Historical and Contemporary Context: State-owned commercial banks have traditionally dominated Ethiopia's financial sector, most notably the Commercial Bank of Ethiopia (CBE), which accounts for roughly half of the sector's assets (IMF, 2025). Private sector credit remains low, financial inclusion is nascent, and bank lending is skewed towards short-term government treasuries (CFR, 2025; AfDB, 2025).

The first attempt to establish a stock market in Ethiopia dates back to the 1960s with the Addis Ababa Stock Exchange, which was discontinued following the nationalization policies of the Dergue regime in 1975 (Geremew, 2024). Reforms in the 1990s introduced private banking and insurance, yet

liberalisation remained partial (Lelissa, 2024). Only in the mid-2019s, under the Homegrown Economic Reform Agenda, did Ethiopia undertake structural changes to modernise its financial system, including the promulgation of the Capital Market Proclamation (2021), the establishment of the Ethiopian Capital Market Authority (ECMA), and accelerated plans to launch the ESX (Capital Ethiopia, 2024; ECMA, 2024).

Recent literature points to cautious optimism regarding the ESX's potential to mobilise domestic and foreign savings, support infrastructure and SME financing, and diversify the country's investment landscape (Million Gashaw, 2024; Bogale et al., 2022). However, studies also caution about operational readiness, regulatory gaps, limited financial literacy, weak technological capacity, and the risk of market fragmentation (IMF, 2025; EEA, 2022).

Role of Banks and Financial Intermediation: Commercial banks remain at the epicentre of Ethiopia's financial ecosystem, with limited competition and innovation. The literature identifies both risks and opportunities arising from the capital market's development. While banks may experience reduced deposit mobilisation and heightened competition, they are also positioned to benefit through investment banking, underwriting, securities brokerage, and advisory services (Geremew, 2024; Capital Ethiopia, 2024). Effective integration of banks within the capital market framework is essential to maximise synergies and promote systemic stability.

Technological Infrastructure and Digital Transformation: Modern capital markets rely heavily on technology for transparency, efficiency, and access. The ESX has prioritised the installation of advanced electronic trading, back-office, and order management systems through partnerships with global providers such as Infotech Private Limited (African Capital Markets News, 2024; Addis Insight, 2024). These systems, including mobile trading platforms, hold the promise to boost retail and institutional participation but also pose challenges of the digital divide and cybersecurity.

Regulatory Evolution and ESG/Sustainable Finance: Global and African regulatory trends highlight the increasing importance of sustainability (ESG), disclosure, and risk management standards within capital market ecosystems (Ethiopian Bankers' Association, 2024; IFC, 2023). Ethiopia has started aligning its regulatory framework with international standards, including the IFRS, GRI, ISSB S1 and S2, and the Principles for Responsible Banking.

Financial and capital market authorities, particularly the ECMA, have issued new directives covering areas such as public offerings, dematerialisation, SRO recognition, and capital adequacy requirements for intermediaries (ECMA, 2024; EBA, 2024). ESG guidelines now underpin risk disclosure and reporting for both banks and listing candidates on the ESX.

Theoretical Framework

Efficient Market Hypothesis (EMH)

The EMH, originally articulated by Fama (1970), posits that asset prices in liquid, informationally efficient markets reflect all available information, rendering it impossible to consistently achieve returns above market averages through active strategies (Fama, 1970; Abdullahi, 2021). Three forms are distinguished: weak (historic price information), semi-strong (publicly available information), and strong (all information, public and private).

In market environments where liquidity and transparency are limited, as in Ethiopia, the practical utility of EMH is debated. Empirical studies in emerging markets tend to confirm weak-form efficiency, while evidence on higher-order forms is mixed (Abdullahi, 2021; Fama, 2011). Early testing of the ESX's efficiency is constrained by limited trading and data availability, but ongoing research aims to identify the speed and accuracy of price formation (Guidi *et al.*, 2011).

Capital Asset Pricing Model (CAPM): CAPM, developed by Sharpe (1964), Lintner (1965), and Mossin (1966), provides a quantitative framework linking expected asset returns to systematic market risk (beta). Its principal assertion is that only non-diversifiable (systematic) risk is priced in competitive markets, with the expected return calculated as:

$$E(R_i) = R_f + \beta_i [E(R_m) - R_f]$$

where R_f is the risk-free rate, β_i the asset's beta, and $E(R_m)$ the expected market return (Muthama et al., 2014).

CAPM is frequently applied for cost of equity estimation, performance evaluation, and market efficiency testing. However, empirical validation in African and emerging markets is challenged by illiquidity, market segmentation, and non-traded risks (Muthama et al., 2014; Fama & French, 1992). Ethiopian studies suggest that CAPM constructs may require adaptation to local market features, including thin trading and incomplete information.

Market Sequencing Theory and Financial Liberalisation: Market sequencing theory addresses the optimal order and preconditions for liberalising various segments of the financial system (Smith, 2021; EEA, 2022). It cautions against premature capital market liberalisation in the absence of regulatory readiness, robust supervision, and macroeconomic stability (Kaminsky & Schmukler, 2003). Empirical lessons from South Korea and Kenya highlight the benefits of gradual, well-sequenced reforms in supporting sustainable capital market development and mitigating instability (Bogale et al., 2022).

Arbitrage Pricing Theory (APT): APT, as introduced by Ross (1976), represents a multifactor asset pricing model that allows for a variety of economic and financial risk factors beyond the single market

portfolio risk in CAPM (Chen et al., 1986). APT hypothesises that asset returns are linear combinations of a range of macroeconomic variables such as inflation, GDP, interest rates, and exchange rates.

Empirical tests in emerging and frontier markets, including Pakistan, Bangladesh, and India, show mixed stability in factor significance but consistently identify macroeconomic variables such as exchange rate and inflation as influential (Faruque, 2011; Haider, 2005). In the Ethiopian context, the nascent bond and equity market suggests APT's applicability will depend on the accumulation of sufficient market and economic data for robust empirical testing.

Methodology

This study relies on an integrative qualitative synthesis of Ethiopian, African, and international literature, bringing together academic articles, policy reports, regulatory documents, empirical studies, financial data, and recently published news and institutional statements. Major sources include the African Development Bank Country Focus Report (2025), IMF country reports, ESX and ECMA documentation, relevant journal articles, and contemporary market analyses.

The theoretical application is interdisciplinary, examining the interplay between capital market models (EMH, CAPM, APT, and market sequencing) and their empirical relevance to Ethiopia. Comparative and contextual analysis is used to assess Ethiopia's progress relative to African peers such as Kenya, Nigeria, Rwanda, Ghana, and South Africa (African Markets, 2025; Nyakundi Report, 2025).

The themes analysed include legal and regulatory frameworks, macroeconomic conditions and capital flows, market sequencing and liberalisation, financial infrastructure and digitalisation, institutional investor and retail participation, ESG and sustainable finance integration, operational and technological readiness, and regional market integration.

The limitations include incomplete trading and price data for empirical market efficiency tests and the evolving nature of Ethiopia's regulatory and market institutions. Nevertheless, the breadth of sources and analytical triangulation enable a comprehensive and up-to-date assessment of Ethiopia's capital market evolution.

Results and Discussion

Evolution of Ethiopia's Capital Market: Current State

Launch of the Ethiopian Securities Exchange (ESX): Ethiopia's Securities Exchange, ESX, officially launched in July 2025 following years of legal and institutional groundwork. The launch was marked by the listing of government securities (T-bills and bonds) and the planned inclusion of about 50 companies, primarily banks and insurance firms, in the coming years (ESX, 2025; CFR, 2025).

Regulatory and Institutional Framework: The Ethiopian Capital Market Authority (ECMA), established in 2022, now regulates and supervises capital market activities, issuing directives on public offerings, self-regulatory organisations, digital trading, capital adequacy, and market operations (ECMA, 2024; EBA, 2024). ECMA's regulatory sandbox fosters innovation by allowing fintech, SMEs, and startups to trial products in a guided environment ahead of widespread market rollout (MTA Law Office, 2024). The evolving legal framework now facilitates the admission of both local and foreign capital market service providers, including eight trailblazing institutions licensed in 2025 to offer investment advisory, broking, underwriting, and investment banking services (Addis Insight, 2025).

Technological Modernisation: A core driver of the ESX's setup is the deployment of cutting-edge electronic trading platforms and broker back-office systems, supplied by Infotech Private Limited, along with the establishment of a Central Securities Depository (CSD) for secure and transparent clearing, settlement, and electronic ownership (Infotech, 2024; African Capital Markets News, 2024). Mobile and web-based investor access, real-time order execution, and direct market access for retail and institutional investors are central features. To support financial innovation, Ethiopia has also digitised investor onboarding, market participation, and reporting (CFR, 2025).

Table 1: Ethiopia's Capital Market Readiness – Key Milestones and Gaps

Domain	Achievements/Progress	Ongoing Challenges
Legal Framework	Capital Market Proclamation (2021), ECMA establishment, market directives	Enforcement capacity, harmonisation with international
Technology	Electronic trading/CSD, digital onboarding, regulatory sandbox	Cybersecurity, platform reliability, and reach
Market Participants	8+ licensed intermediaries, bank/insurance listings forthcoming	Thin institutional investor base, limited liquidity
Product Scope	T-bills, bonds, equity in pipeline, plans for Islamic bonds (Sukuk)	Lack of derivative markets, limited diversity
Investor Protection	Licensing regime, reporting, ESG/sustainability guidelines	Low public awareness, financial literacy gaps
Integration/Innovation	Diaspora bonds, fintech adoption, open to foreign players	Low rural inclusion, digital divide

Source: Synthesized from the Ethiopian Capital Market Proclamation (2021), official reports from the Ethiopian Capital Market Authority (ECMA), and various business news publications on the development of Ethiopia's financial sector.

Ethiopia's regulatory and technological leap forward positions it among Africa's more modernising capital markets. However, low financial literacy, limited institutional and retail investor participation, and challenges extending access beyond urban centres persist (Bogale et al., 2022; ESX, 2025). Digital transformation and public education are crucial in addressing these bottlenecks, along with robust cybersecurity preparedness and enhanced regulatory enforcement.

Testing the Efficient Market Hypothesis in Ethiopia: The ESX's launch provides a unique testbed for the EMH, especially its weak form variant. Early market dynamics are shaped by thin trading, nascent liquidity, and high price volatility, characteristics common to new African stock exchanges (Abdullahi, 2021; Guidi et al., 2011). Empirical studies elsewhere suggest it is premature to expect semi-strong or strong-form efficiency, with most young African exchanges requiring years to reach even weak-form informational efficiency (Abdullahi, 2021; Fama, 2011).

To test weak form efficiency at ESX, analysts recommend collecting comprehensive price data and applying autocorrelation, runs, and variance ratio tests to check if historical price movements can predict future returns. As of August 2025, limited historical data and low trading volumes restrict statistically significant testing, but systematic data collection is underway (Guidi et al., 2011).

Empirical Application of CAPM and APT in Ethiopia: While CAPM remains a standard for pricing risk and estimating costs of equity, Ethiopian asset pricing faces constraints: the limited number of tradable securities, the absence of reliable market indices, and market segmentation reduce the model's explanatory power (Muthama et al., 2014; Lelissa, 2024). Most early practical applications will use government securities and the largest publicly traded banks/insurance companies to derive betas.

As the ESX matures, more robust CAPM- and APT-based studies can evaluate how returns relate to systematic risks, including macroeconomic shocks, exchange rate fluctuations, inflation, and monetary policy shifts. Regional comparators suggest that in similar markets (e.g., Nigeria, Pakistan), local macroeconomic factors, not just market portfolios, dominate in explaining asset pricing (Haider, 2005; Faruque, 2011).

Market Sequencing, Financial Liberalisation, and Risk Management: Ethiopia's market sequencing is guided by international best practices, focusing first on gradual liberalisation of market-based interest and exchange rates, in parallel with strengthening regulatory capacity (IMF, 2025; Bogale et al., 2022). The move to a floating exchange rate regime in July 2024 demonstrates policy commitment to reducing distortions, although initial periods have seen high ETB depreciation and volatility (Capital Ethiopia, 2025; IMF, 2025).

Phased reforms mitigate the risk of macro financial upheaval, as evidenced by negative lessons from poorly sequenced liberalisations elsewhere (e.g., Argentina, Chile), where premature opening led to instability, credit rationing, and capital flight (Bogale et al., 2022). Ethiopia's cautious approach – prioritising legal/technological infrastructure, regulatory sandboxes, and pilot projects – reflects the learning from successful gradualists like South Korea and Botswana (Kaminsky & Schmukler, 2003).

Macroeconomic Environment and Capital Market Growth: Ethiopia's macroeconomic backdrop remains challenging but is showing resilience. GDP growth was 7.3% in 2023/24, with projections of 8% in 2024/25; inflation averaged 26.6% but is forecast to decline as exchange rate reforms take hold (CFR,

2025). The country's FDI rose 5.6% to \$4 billion in 2024/25 amid liberalisation and renewed policy focus on investment climate improvements (Finance in Africa, 2025). The tax-to-GDP ratio, however, remains below the African average (~8% in 2023/24), limiting fiscal space (IMF, 2025).

Bank lending to the private sector is constrained by risk aversion, asset concentration, and the dominance of public borrowers, with only 0.27% of Ethiopians having access to bank loans (Capital Ethiopia, 2024; CFR, 2025). The ESX is expected to facilitate diversification of funding sources, reduce over-dependence on banks, and support fiscal and private sector financing needs, especially for infrastructure and SMEs.

Bond Market Development and the ESX: The debut of government bonds on the ESX in July 2025 is a milestone, positioning Ethiopia to attract long-term investment locally and from the diaspora (Capital Market Ethiopia, 2025). Bonds offer yields upwards of 16.5% per annum and provide an alternative to short-term treasury bills, with plans for local currency bonds to help shift reliance from external Eurobond debt (ESX, 2025). The government is also exploring Sukuk and green bond issuances to deepen the market and capture new investor segments, including Islamic finance and ESG-orientated funds.

Regional Integration Initiatives: Ethiopia's market launch coincides with a broader regional push for integration. The East African Securities Exchanges Association (EASEA) launched the EAE 20 Share Index in April 2025, tracking top-performing companies from Kenya, Tanzania, Uganda, and Rwanda, and aiming to harmonise investment products and cross-border listings (StockMarket.et, 2025; The Guardian, 2025; EBR, 2025). Ethiopia's eventual inclusion will increase market visibility and attract diversified capital, provided regulatory and technological harmonisation are advanced.

Investor Behaviour and Market Participation: Investor readiness, especially among retail investors, remains a challenge. While there is rising interest, deep-seated mistrust, low financial literacy, and limited technological access (particularly outside urban areas) are barriers to inclusive participation (Kenyan Wall Street, 2025). Early involvement of university graduates, young professionals, and the Ethiopian diaspora is encouraging, but public awareness campaigns and user-friendly, mobile-driven investment platforms are needed to drive participation and democratise wealth creation.

Banks and fintech companies, through their extensive reach and digital products (e.g., Telebirr, CBE Birr), are crucial in bridging the awareness and technology gap (CFR, 2025). Robust investor protection, complaint resolution systems, and transparent regulations are essential to build trust in the ESX and the wider capital market ecosystem.

Financial Intermediation: The Role of Banks, Commercial banks are positioned as both potential competitors and partners to the emerging capital market. While they may see reduced deposit inflows, they gain opportunities as underwriters, brokers, and advisors. Ethiopian banks have begun creating subsidiaries focused on investment banking and securities services (Addis Insight, 2025). Strengthening banks'

technological, human resource, and risk management capabilities is necessary for them to operate effectively within the new paradigm (Melktu Geremew, 2024).

ESG Integration and Sustainable Finance: Aligning with global trends, Ethiopia's financial sector is embedding environmental, social, and governance (ESG) standards in banking and capital market operations. The Ethiopian Bankers' Association's 2024 guidelines and IFC's Integrated ESG program promote disclosure, transparency, risk management, and diversity (EBA, 2024; IFC, 2023). Listed companies on ESX are expected to follow international disclosure frameworks (IFRS S1/S2, GRI), with sustainability indicators and reporting now regulatory requirements (EBA, 2024).

The ESX's focus on green bonds, impact investing, and Islamic finance products (e.g., Sukuk) are steps towards meeting sustainable finance imperatives, attracting socially responsible investors, and aligning with Ethiopia's national development and climate goals (AfDB, 2025).

Comparative African and Global Trends: A comparison of Ethiopia's ESX with African peers highlights clear lessons. Kenya's Nairobi Securities Exchange, Nigeria's NGX, South Africa's JSE, and Rwanda's RSE are more developed in terms of listings, liquidity, and products but all share ongoing challenges of depth, regional integration, and market volatility (Nyakundi Report, 2025; African-Markets.com, 2025; BRVM, EASEA, 2025). Ethiopia's market capitalisation remains negligible compared to Kenya (\$15.3 billion), Nigeria (\$60 billion), or South Africa (over \$1 trillion) (African-Markets.com, 2025).

Globally, 2025 is marked by a tactical shift in monetary policy towards easing, fuelling renewed optimism in bond and equity markets (Morgan Stanley, 2025; S&P Global, 2025). The appetite for private credit, AI infrastructure, green finance, and sustainable investing is surging, with large tech companies and emerging-market governments taking advantage of low rates for bold capital-raising strategies.

Policy Implications

Based on the findings of this study the following policy implications are drawn:

- *Accelerate Financial Literacy and Investor Protection:* The success of the ESX and the capital market more broadly hinges on widespread financial literacy and safeguarding investor interests. The ECMA, banks, and intermediaries must scale up public education efforts, develop plain-language investor materials, and establish accessible grievance redress mechanisms.
- *Strengthen Institutional Capacity and Regulatory Oversight:* Continuous training and upskilling for regulators, market operators, and intermediaries is crucial. ECMA should prioritise enforcement capacity, transparency in market surveillance, and continuous monitoring to prevent unethical practices and systemic risks.

- *Expand Institutional and Retail Investor Base:* Efforts are needed to attract long-term institutional investors – pension funds, mutual funds, and insurance companies – and encourage their active participation in ESX trading, listings, and capital-raising activities. At the same time, the regulatory environment should foster both diaspora and local retail investor engagement.
- *Deepen Market Product Offerings and Liquidity:* Beyond government bonds and banking shares, the ESX should actively promote the listing of telecoms, utilities, fintechs, agribusinesses, and SMEs. The introduction of innovative instruments such as green/Islamic bonds, derivatives, and ETFs will stimulate investor interest and market liquidity.
- *Foster Regional and Global Market Integration:* Leveraging regional initiatives like EASEA's EAE 20 Share Index, Ethiopia should harmonise legal, technological, and operational frameworks with regional peers to enable cross-border listings and products. Enhanced collaboration will boost capital flows, visibility, and resilience to shocks.
- *Embed ESG Standards and Promote Sustainable Finance:* ESX and ECMA must ensure full compliance with ESG disclosure and governance standards for listing, reflecting global investor expectations and Ethiopia's sustainable development priorities. Piloting green bonds, impact investing products, and climate finance partnerships will further align Ethiopia's capital market with international capital and development objectives.
- *Support Technological Innovation and Digital Access:* Invest in digital infrastructure for trading, reporting, settlement, and investor access. Tailor mobile and web-based platforms for localised adoption (including support for local languages), prioritise cybersecurity, and incentivise fintech partnerships.
- *Maintain Macroeconomic and Financial Stability:* Monetary and fiscal policy coordination remains paramount to manage inflation, exchange rate volatility, and financial sector vulnerabilities as market liberalisation progresses. Sequenced reforms, prudential regulation, and policy credibility will underpin confidence in the market.

Conclusion

Ethiopia's capital market development, personified by the launch of the ESX, is an historic leap forward anchored in theoretical rigour but shaped by local realities and broader African/global trends. The integration of EMH, CAPM, market sequencing theory, and APT into analysis and policy design provides a robust blueprint for building an inclusive, transparent, and resilient financial ecosystem.

While formidable challenges remain illiquidity, low public awareness, skill and technological gaps, and macroeconomic turbulence the opportunities for portfolio diversification, investment mobilization, and

economic transformation are real and expanding. Regional partnerships, ESG/sustainable finance innovation, and digital infrastructure will be decisive in positioning Ethiopia as an investment gateway for East Africa. The ESX's early years will be a learning curve, but with thoughtful sequencing, strategic capacity building, and a commitment to inclusive growth and integrity, Ethiopia can chart a sustainable path towards capital market empowerment, delivering on its aspirations for broad-based prosperity in the coming decade.

References

- Abdullahi, M. (2021). The Efficient Market Hypothesis: A critical review of equilibrium models and empirical evidence. *African Scholar Journal of Management Science and Entrepreneurship*, 23(7), 120-142.
- Addis Insight. (2024). The Ethiopian Securities Exchange partners with Infotech Private Limited to launch advanced trading technology. <https://www.addisinsight.net/2024/08/13/ethiopian-securities-exchange-partners-with-infotech-private-limited-to-launch-advanced-trading-technology/>
- Addis Insight. (2025). Introducing the eight: Ethiopia's first licensed capital market players. <https://www.addisinsight.net/2025/07/30/introducing-the-eight-ethiopias-first-licensed-capital-market-players/>
- AfDB (African Development Bank). (2025). *Country Focus Report 2025: Ethiopia – Making Ethiopia's Capital Work Better for its Development*. <https://www.dpgethiopia.org/wp-content/uploads/2025/06/CFR-ETHIOPIA-2025-June-2025.pdf>
- African Capital Markets News. (2024) InfoTech trading system for the ESX Ethiopian stock exchange. <https://africancapitalmarketsnews.com/infotech-trading-system-for-esx-ethiopian-stock-exchange/>
- African-Markets.com. (2025). African stock market performance indexes. <https://www.african-markets.com/en/tools/performance>
- Basu, S. (1977). Investment performance of common stocks in relation to their price-earnings ratios. *Journal of Finance*, 32, 663-682.
- Beck, T., Demirgüç-Kunt, A., & Levine, R. (2000). A new database on financial development and structure. *World Bank Economic Review*, 14, 597-605.
- Bogale, F., Reta, B., & Ayalew, S. (2022). Liberalising the financial sector in Ethiopia: Constraints, consequences and policy issues. *EEA Policy Working Paper 07/2022*. Ethiopian Economics Association.
- Capital Ethiopia. (2024, July 18). The emergence of the capital market and the future of commercial banks in Ethiopia. <https://capitalethiopia.com/2024/07/18/the-emergence-of-the-capital-market-and-the-future-of-commercial-banks-in-ethiopia/>

- Capital Ethiopia. (2025). Birr depreciation highlights challenges of the market-driven exchange rate system. <https://capitalethiopia.com/2025/04/14/birr-depreciation-highlights-challenges-of-market-driven-exchange-rate-system/>
- Capital Market Ethiopia. (2025, June 20). Ethiopia's government bonds to debut on the Ethiopian Securities Exchange. <https://www.capitalmarketethiopia.com/how-to-buy-ethiopia-government-bonds/>
- CFR (Country Focus Report). (2025). Ethiopia Country Focus Report 2025: Making Ethiopia's Capital Work Better for Its Development. African Development Bank. <https://www.dpgethiopia.org/wp-content/uploads/2025/06/CFR-ETHIOPIA-2025-June-2025.pdf>
- Chen, N., Roll, R., & Ross, S. A. (1986). Economic forces and the stock market. *Journal of Business*, 59, 383-403.
- EBA (Ethiopian Bankers' Association). (2024). Sustainability guidelines for banks in Ethiopia. <https://www.ethiopianbankers.com/wp-content/uploads/ESG-guideline-for-Banks.pdf>
- ECMA (Ethiopian Capital Market Authority). (2024). Laws and regulation. <https://ecma.gov.et/laws-regulation/>
- Emerging Africa Group. (2025). African Capital Market Report 2024 in Review, 2025 in Focus. <https://emergingafricagroup.com/wp-content/uploads/2025/02/African-Capital-Market-Report-2025.pdf>
- ESX (Ethiopian Securities Exchange). (2024). ESX annual report and launch communication. https://esx.et/wp-content/uploads/2025/03/ESX-Annual-Report_final.pdf
- ESX (Ethiopian Securities Exchange). (2025). Official press releases and platform information. <https://esx.et/>
- Fama, E. F. (1970). Efficient capital markets: A review of theory and empirical work. *Journal of Finance*, 25(2), 383-417.
- Fama, E. F. (2011). My life in finance. *Annual Review of Financial Economics*, 3, 1-15.
- Fama, E. F., & French, K. R. (1992). The cross-section of expected stock returns. *Journal of Finance*, 47, 427-466.
- Faruque, M. U. (2011). An empirical investigation of the APT in a frontier stock market: Evidence from Bangladesh. *MPRA Paper No. 38675*. University of Munich. https://mpa.ub.uni-muenchen.de/38675/1/MPRA_paper_38675.pdf
- Finance in Africa. (2025, August 20). Foreign investments in Ethiopia rise 5.6% despite reforms. <https://financein africa.com/news/ethiopia-fdi-rises-sweeping-reforms/>
- Haider, A. (2005). Arbitrage pricing theory: Evidence from an emerging stock market. *The Lahore Journal of Economics*.

- IFC (International Finance Corporation). (2023, November 30). IFC launches ESG programme in Ethiopia to boost sustainable growth and spur investment.
<https://www.ifc.org/en/pressroom/2023/ifc-launches-esg-program-in-ethiopia-to-boost-sustainable-growth-spur-investment>
- IMF (International Monetary Fund). (2025). Ethiopia: Selected issues. *IMF Country Report No. 25/189*.
<https://www.imf.org/-/media/Files/Publications/CR/2025/English/1ethea2025003-source-pdf.ashx>
- Kaminsky, G., & Schmukler, S. (2003). Short-run pain, long-run gain: The effects of financial liberalisation. *World Bank Policy Research Working Paper*.
- Kenyan Wall Street. (2025, April 23). How ready are Ethiopia's retail investors for the stock market?
<https://kenyanwallstreet.com/how-ready-are-ethiopias-retail-investors-for-the-stock-market/>
- Leissa, T. B. (2024). Financial liberalisation in Ethiopia: historical perspectives and future directions. *International Journal of Economics, Commerce and Management*, 12(10), 219-237.
- Melktu Geremew. (2024). The implication of the upcoming capital market on Ethiopian commercial banks. [Master's thesis, Addis Ababa University]. <https://etd.aau.edu.et/bitstreams/371f8713-a0f6-4d8f-bcdb-d773fa5de9bd/download>
- Morgan Stanley. (2025, February 18). Capital markets outlook 2025: Key trends fuelling a resurgence.
<https://www.morganstanley.com/insights/articles/capital-markets-outlook>
- MTA Law Office. (2024, October 4). Developments in Ethiopia's capital market.
<https://www.mtalawoffice.com/insights-news/entry/developments-in-ethiopia-s-capital-market>
- Muthama, A. K., Munene, M. G., & Tirimba, O. I. (2014). Empirical tests of the capital asset pricing model and its testability for validity versus invalidity. *International Journal of Innovation and Applied Studies*, 9(2), 600-614.
- Nyakundi Report. (2025, June 17). Most valuable stock markets in East Africa.
<https://nyakundireport.com/east-african-stock-markets/>
- S&P Global. (2025, February 5). The big picture 2025: Capital markets.
<https://www.spglobal.com/market-intelligence/en/news-insights/research/the-big-picture-2025-capital-markets>
- Sharpe, W. F. (1964). Capital asset prices: A theory of market equilibrium under conditions of risk. *Journal of Finance*, 19(3), 425-442.
- Smith, J. (2021). Markets and financial freedom: A global perspective. *Financial Journal*, 29(2), 100-115.
- StockMarket.et (2025, April 12). East Africa launches its first regional stock market index – The EAE 20 Share Index. <https://www.stockmarket.et/east-africa-launches-first-regional-stock-market-index-the-eae-20-share-index/>

- Guidi, F., Gupta, R., & Maheshwari, S. (2011). Weak-form Market Efficiency and Calendar Anomalies for Eastern Europe Equity Markets. *Journal of Emerging Market Finance*, 10(3), 337–389.
<https://doi.org/10.1177/097265271101000304>
- The Guardian. (2025, March 24). East Africa's bold step toward a unified regional stock market.
<https://www.ippmedia.com/the-guardian/business/read/east-africas-bold-step-toward-a-unified-regional-stock-market-2025-03-24-152402>
- World Bank. (2020). Ethiopia economic update: Navigating challenges ahead. *World Bank Publications*.
<https://doi.org/10.1596/978-1-4648-1587-1>
- World Bank. (2022). Ethiopia economic update: Navigating challenges and opportunities. *World Bank Publications*. <https://doi.org/10.1596/978-1-4648-1737-0>
- Singh, V. R. (2014). Capital market and it's role in indian financial system. *International Journal of Advanced Research in Management and Social Sciences*, 3(3), 130–140.
<https://www.garph.co.uk/IJARMSS/Mar2014/14.pdf>
- Haque, F., Arun, T., & Kirkpatrick, C. (2008). Corporate governance and capital markets: a conceptual framework. *Corporate Ownership and Control*, 5(2), 264–276.
<https://doi.org/10.22495/COCV5I2C2P3>
- Singh, V. R. (2014). Capital market and it's role in indian financial system. *International Journal of Advanced Research in Management and Social Sciences*, 3(3), 130–140.
<https://www.garph.co.uk/IJARMSS/Mar2014/14.pdf>
- Maiyaki, A. A. (2013). Principles of Islamic Capital Market. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 3(4), 278–283.
<https://ideas.repec.org/a/hur/ijaraf/v3y2013i4p278-283.html>
- Ogbeide, S. O., Adedipe, O. A., Obadeyi, J. A., & Osawaru, F. (2022). *A conceptual and descriptive approach to capital market progression in a developing country: the Nigerian perspective*. 1(1).
<https://doi.org/10.57000/euijm/2022.0101.07-cd>
- Draženović, B. O., & Kusanović, T. (2016). *Determinants of capital market in the new member EU countries*. 29(1), 758–769. <https://doi.org/10.1080/1331677X.2016.1197551>