

The Eje Alo Theory of Human-Capital Circulation and Developmental Transformation: An Indigenous African Framework for Migration, Knowledge Return and Community Development

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Abstract

International migration creates a development dilemma for countries that face skilled unemployment, critical-sector shortages, and the outward mobility of highly educated citizens. Existing perspectives on human capital, migration, brain drain, brain circulation, transnationalism, return migration, and diaspora engagement explain important parts of this relationship. However, they do not fully integrate the process through which capabilities acquired or enhanced through mobility are deliberately converted into collective developmental value in societies of origin. This conceptual theory-building article formulates the EJE ALO Theory of Human-Capital Circulation and Developmental Transformation. EJE ALO is derived from the Igbo expression interpreted here as “go and return,” but return is conceptualised functionally rather than only geographically. It includes physical, intellectual, professional, financial, technological, entrepreneurial, institutional, network, social, and digital reconnection. Through conceptual synthesis, theoretical integration, and historically grounded illustrative analysis, the article develops seven principal constructs: community human-capital investment, human-capital condition, strategic mobility, human-capital circulation, institutional absorptive capacity, developmental return, and human-capital multiplication, with governance as a moderating condition. Historical illustrations from the Mbaise County Scholarship and the Ibibio Union show antecedents of community investment in outward education. At the same time, evidence from India, Taiwan, and South Korea illustrates mechanisms of transnational knowledge circulation and institutional conversion. EJE ALO distinguishes JAPA as a migration response from developmental conversion and specifies propositions and testable hypotheses linking reciprocity, circulation, absorptive capacity, governance, diaspora connectivity, innovation, and developmental return. The central argument is conditional: migration is neither inherently developmental nor inherently destructive. Developmental transformation occurs when mobile capabilities are circulated, institutionally absorbed, applied, and multiplied into measurable collective outcomes.

Keywords: EJE ALO Theory; human-capital circulation; migration; diaspora engagement; knowledge transfer; development.

Introduction

Development theory has long treated education, knowledge, institutions, and technological capability as important foundations of productivity and structural transformation. Human-capital theory conceptualises education and training as productive investments (Becker, 1964), endogenous growth theory places knowledge and technological change within the growth process (Romer, 1990), and institutional and innovation-system approaches emphasise the rules, organisations, and networks through which capabilities become productive (Acemoglu et al., 2001; Nelson, 1993). Migration scholarship adds another dimension by explaining why people move and how mobility affects households, labour markets, and development (De Haas, 2010; Harris & Todaro, 1970; Lee, 1966; Stark & Bloom, 1985).

However, the relationship between mobility and development remains analytically unsettled. The departure of a skilled person is often treated as the principal event, producing a debate framed around brain drain, retention, return, remittances, or diaspora engagement. This framing can obscure a subsequent question: what happens to the knowledge, experience, networks, technology, capital, and professional capability accumulated through mobility, and under what conditions can these resources be reconnected to the society of origin?

This question is particularly important for Nigeria, where skilled unemployment and underemployment can coexist with shortages in critical professions and outward migration. Retaining a professional physically does not guarantee productive use of that person's capabilities, while uncontrolled losses from health, engineering, research, and other critical sectors can weaken domestic institutions. The policy problem is therefore not reducible to either stopping migration or celebrating it. It concerns the productive utilisation, circulation, and conversion of human capability.

The EJE ALO Theory addresses this problem. The theory is grounded in the indigenous expression Eje Alo, which this article interprets as "go and return." The authors do not claim that EJE ALO historically existed as a formal academic migration theory among the Igbo or any other Nigerian people. Instead, they abstract an indigenous developmental principle and formulate it as a contemporary theory of human-capital conversion. The central claim is that mobility becomes developmentally productive when capabilities acquired or enhanced through movement remain connected to origin societies, circulate through identifiable channels, are absorbed by capable institutions, and are converted into innovation, productivity, institutional strengthening, social value, and renewed human-capital formation.

The article therefore shifts the analytical question from whether every skilled person can be retained to how societies can ensure that human capabilities remain developmentally connected to communities and countries of origin wherever those capabilities are geographically located. Physical departure and developmental departure are not identical. A person may live abroad while contributing intellectually, financially, professionally, technologically, institutionally, or digitally; conversely, a person may remain at home while their skills go unused, underused, or are wasted institutionally.

Statement of the Problem

Conventional migration-development analysis suffers from fragmentation. Human-capital theory explains investment in skills; migration theories explain movement; brain-drain analysis highlights capability loss; brain-circulation scholarship explains cross-border movement and exchange; transnationalism and diaspora studies explain continuing relationships; institutional theory explains the conditions under which organisations function; and innovation theory explains the conversion of knowledge into productive activity. These perspectives are individually valuable, but they do not by themselves provide a single causal architecture linking prior investment in people to mobility, capability acquisition, reciprocal reconnection, institutional absorption, developmental return, and intergenerational multiplication.

A second problem is the human-capital underutilisation paradox. A country may simultaneously experience unemployment or underemployment among qualified professionals, international demand for similar skills, and domestic shortages in specialised sectors. Under these conditions, retention alone may preserve unemployment, whereas unmanaged emigration may deepen shortages. The relevant political-economic question becomes how to protect critical domestic capability while enabling legitimate mobility and increasing the probability that knowledge, networks, capital, and experience generated through mobility circulate back into productive systems.

A third problem concerns what return means. Much migration analysis understandably focuses on physical return. In contemporary economies, however, developmental return can occur without permanent repatriation through research collaboration, professional services, investment, technology transfer, mentoring, entrepreneurship, institutional partnerships, and digital work. A theory that equates return only with relocation risks overlooking these functional forms of contribution.

EJE ALO addresses these problems by conceptualising migration as one stage in a wider human-capital cycle rather than as the analytical endpoint.

Objective

The objective is to formulate and analytically specify the EJE ALO Theory of Human-Capital Circulation and Developmental Transformation as an indigenous African framework explaining the conditions and mechanisms through which human capabilities acquired or enhanced through mobility are circulated, institutionally absorbed, applied, and multiplied into collective developmental outcomes in societies of origin.

Specifically, the article seeks to integrate relevant theoretical traditions; define the theory's principal constructs and causal relationships; distinguish EJE ALO from adjacent concepts such as JAPA, brain drain, brain gain, brain waste, brain circulation, transnationalism, and diaspora engagement; derive propositions and testable hypotheses; clarify boundary conditions; and identify policy and research implications.

Methodological Approach

This is a conceptual theory-building article. It does not report a new survey, interview study, experiment, or statistical estimation. Its methodological strategy combines conceptual synthesis, theoretical integration, and historically grounded illustrative analysis. The literature was selected purposively because it bears directly on the theory's proposed causal chain: capability formation, migration, cross-border circulation, institutional conversion, innovation, and developmental outcomes. Foundational works are retained where they define enduring theoretical traditions; more recent sources are used where the article discusses contemporary migration, JAPA, brain circulation, and policy experience.

The theory-building procedure followed four steps. First, the article identified the unresolved conversion problem in migration-development scholarship. Second, it placed human-capital, migration, transnational, institutional, endogenous-growth, and innovation-system perspectives in dialogue. Third, it abstracted an indigenous "go and return" developmental logic and translated it into explicit constructs, causal mechanisms, moderators, outcomes, propositions, and hypotheses. Fourth, it used historical and comparative cases only to illustrate mechanisms, not to empirically validate the full theory.

The Mbaise County Scholarship discussion relies principally on a published biographical account of James Emeziem Nworgu. It therefore does not claim independent verification of original county scholarship records, financing arrangements, or community narratives. The Ibibio Union is supported by published historical research. India, Taiwan, and South Korea are treated as comparative illustrations of diaspora networks, brain circulation, brain return, and institutional conversion. These cases are not presented as societies that historically practised EJE ALO. This evidential restraint is necessary because a conceptual theory must distinguish illustrative consistency from empirical confirmation.

Literature Review and Theoretical Foundations

Human Capital, Knowledge and Institutions

Becker's (1964) human-capital approach treats education and training as investments that increase productive capability. EJE ALO accepts this insight but distinguishes accumulation from circulation and conversion. Education creates or strengthens capability; development requires using that capability

productively, transferring it, adapting it, or multiplying it. Romer (1990) similarly places knowledge and technological change at the centre of long-run growth. EJE ALO adds a mobility question: how can knowledge acquired or enhanced across borders be connected to institutions in the society of origin?

Institutional quality is central because capabilities do not automatically generate outcomes. Acemoglu et al. (2001) demonstrate the long-run importance of institutions for comparative development, while innovation-system scholarship emphasises interactions among firms, universities, government agencies, and research organisations (Nelson, 1993). EJE ALO treats transnational professionals and networks as potential extensions of these systems, but only where domestic institutions can receive, adapt, and apply circulating capabilities.

Migration, Transnationalism and Brain Circulation

Classical and neoclassical migration theories focus substantially on the determinants of movement. Lee (1966) identifies origin, destination, intervening, and personal factors; Harris and Todaro (1970) emphasise expected income and employment differentials; and Stark and Bloom (1985) shift attention toward household strategies and risk. These perspectives explain why people move, but EJE ALO focuses on what happens to capability after movement.

Migration-development effects are heterogeneous rather than inherently positive or negative (de Haas, 2010). Transnational approaches further show that migration need not terminate social, economic, and institutional relationships across borders (Basch et al., 1994). Brain-circulation research provides especially important foundations. Saxenian (2002a, 2002b, 2002c) shows how skilled migrants and transnational technical communities can link Silicon Valley with Taiwan, India, and China, facilitating entrepreneurship, knowledge diffusion, and regional upgrading. EJE ALO builds on this literature but asks an additional conversion question: under what conditions does circulation become collective developmental value, and how do community investment, reciprocity, institutional absorption, and multiplication enter that process?

JAPA and the Contemporary Nigerian Context

JAPA is a contemporary Nigerian expression associated with leaving or escaping difficult domestic conditions. Liu (2024) analyses JAPA among Nigerian middle-class youth as a form of survival migration shaped by perceptions of deteriorating conditions, while Adeniji et al. (2024) model JAPA in relation to brain drain and migration dynamics. EJE ALO does not treat JAPA as synonymous with the proposed theory. JAPA primarily describes or helps explain outward movement; EJE ALO begins analytically where departure alone becomes insufficient.

The distinction is therefore: JAPA asks why or how people leave; brain drain asks what capability is lost; brain waste asks whether skills are underutilised; brain circulation asks whether skills and knowledge move across borders; diaspora engagement asks whether migrants maintain productive relationships with origin societies; Eje Alo asks whether mobile capabilities are converted into collective developmental value.

Conceptualising Eje Alo

Eje Alo is a theory of human-capital conversion, not a theory predicting migration volume. “Go and return” is interpreted functionally. Return may be physical through temporary or permanent relocation; intellectual through teaching and research; professional through services; financial through investment and remittances; technological through transfer and adaptation; entrepreneurial through business creation and finance; institutional through organisational strengthening; social through mentoring and community service; network-based through international connections; or digital through remote teaching, telemedicine, research collaboration, consulting, and related activities.

The indigenous contribution should be stated carefully. EJE ALO does not claim that precolonial or historical Igbo communities possessed a formal migration-development theory. It abstracts a developmental logic from an indigenous expression and places that logic in dialogue with contemporary social science. Its compact sequence is: go, acquire, reconnect, apply, and multiply. The theoretical innovation lies not in claiming that any component is individually new, but in integrating community investment, mobility, circulation, reciprocity, institutional absorption, developmental return, and multiplication into a conditional framework.

Historical Foundations and Scholarly Caution

The Mbaise County Scholarship

A published biographical account reports that James Emeziem Nworgu, born in 1927 in Ibeku, Okwuato, Mbaise, became the first recipient of the Mbaise County Scholarship in 1953, was bonded to Mbaise County, studied Classics at Queen's University Belfast, and later returned to Nigeria and served as an educator (Nwakanma, 2010). This sequence provides an identifiable illustration of community investment, outward educational mobility, reciprocal obligation, return, application, and subsequent educational service.

The case is theoretically useful but evidentially limited. It should not be treated as proof of EJE ALO or generalised to all Mbaise communities. The evidence reviewed for this article does not independently establish claims that communal palm-produce harvesting financed overseas scholarships, and therefore excludes them as fact. Future historical research should examine scholarship records, county council documents, school registers, newspapers, government education reports, family archives, oral histories, and community-financing records.

The Ibibio Union

The Ibibio Union provides complementary historical evidence. Akpan (2017) documents collective investment in education, including an overseas scholarship programme initiated in 1938 and other educational initiatives. The case shows documented Nigerian precedents for organised community investment in advanced education. It does not establish that the Ibibio Union practised the modern EJE ALO theory; rather, it illustrates antecedent mechanisms of collective investment, outward educational mobility, and expected community benefit.

Core Constructs and Causal Architecture

Community Human-Capital Investment. Collective investment by families, communities, associations, organisations, or governments in education and capability development.

Human-Capital Condition. The level, relevance, and productive utilisation of education, professional skills, experience, knowledge, and competence before and after mobility.

Strategic Human-Capital Mobility. Educational or professional movement undertaken or facilitated in response to capability-development, labour-market, or developmental opportunities.

Human-Capital Circulation. The cross-border movement and exchange of knowledge, skills, experience, technology, networks, investment, and professional services.

Institutional Absorptive Capacity. The ability of origin institutions to receive, adapt, coordinate, finance, and apply circulating capabilities.

Developmental Return. Economic, technological, intellectual, institutional, and social value generated when mobile capabilities are productively reconnected to the society of origin.

Human-Capital Multiplication. The expansion of benefits when transferred capabilities generate additional people, organisations, innovations, or intergenerational human capital.

Governance is treated as a moderating condition because policy credibility, institutional effectiveness, infrastructure, trust, transparency, accountability, and continuity can strengthen or weaken the circulation-to-development relationship.

EJE ALO Development Cycle

The causal architecture is expressed as:

Community investment → human-capital formation → strategic mobility → external capability acquisition → human-capital circulation → reciprocity/social-return mechanism → institutional absorptive capacity → knowledge, technology, investment and professional transfer → innovation/productivity/institutional strengthening → developmental return → human-capital multiplication → renewed human-capital formation.

In compact form: Invest → Go → Acquire → Circulate → Reconnect → Absorb → Apply → Multiply → Develop → Reinvest.

The cycle is not deterministic. Community investment may be inadequate; mobility may deepen brain drain; migrants may experience occupational downgrading; capabilities may not circulate; institutions may lack absorptive capacity; governance may discourage contribution; or knowledge and investment may fail to produce useful outcomes. Eje Alo is therefore conditional and falsifiable.

Analytical Logic and Political Economy

The analytical logic separates migration causation from developmental conversion. Decisions to move are influenced by employment, remuneration, professional conditions, security, research opportunities, career progression, social expectations, and international labour demand. Developmental consequences, however, depend on a different set of variables: diaspora connectivity, institutional absorptive capacity, governance, research infrastructure, investment opportunities, regulatory credibility, innovation systems, professional networks, and knowledge-transfer mechanisms.

This separation resolves an important political-economic tension. Migration can simultaneously improve an individual's welfare and create a domestic capability problem. A Nigerian professional may substantially improve income and working conditions abroad while the origin system loses scarce expertise. Eje Alo does not deny either outcome. It asks how policy can protect critical domestic capability while increasing the probability that knowledge, networks, investment, and experience generated through mobility remain developmentally connected.

Conversion occurs at several levels. Individual experience must become transferable knowledge or resources; transferable capability must become organisational capability; and organisational capability must become innovation, productivity, employment, institutional performance, public services, or other measurable outcomes. Each conversion can fail. Consequently, diaspora size, remittance volume, or physical return alone cannot adequately measure developmental transformation.

The theory also operates across a community-to-state continuum. Families finance education; communities and associations can pool resources for scholarships; universities and firms establish international partnerships; governments shape migration, education, labour, innovation, and diaspora policies; and international institutions and destination countries influence the conditions of mobility. EJE ALO therefore treats human-capital development as a multi-level political-economic process rather than an exclusively state-driven project.

Social Return on Human Capital and Multiplication

Eje Alo introduces Social Return on Human Capital (SRHC) as the developmental value generated when human-capital investments made by families, communities, organisations, or states produce benefits extending beyond the individual beneficiary. Such benefits may include knowledge, professional services, institutions, mentorship, innovation, investment, networks, and opportunities for others. The

concept links prior investment to reciprocity without assuming that every beneficiary is morally or legally obligated to return physically.

Human-Capital Multiplication distinguishes individual return from wider developmental effects. If one beneficiary acquires advanced capability and subsequently trains others, strengthens an institution, creates employment, transfers technology, or mentors another generation, the developmental effect can exceed the original investment. The relevant question is therefore not simply whether a migrant returned, but how many additional capabilities, institutions, opportunities, or measurable benefits emerged because the acquired capability circulated and was applied.

Institutional Absorptive Capacity and Governance

Institutional absorptive capacity is the principal conversion mechanism in EJE ALO. A diaspora scientist may be willing to collaborate, but a university without laboratories, research finance, procurement capacity, or administrative support may be unable to use the expertise. An investor may possess capital but confront regulatory uncertainty. A technology specialist may transfer knowledge to firms that lack complementary skills or infrastructure. Circulation therefore becomes development only when domestic institutions can convert potential capability into application.

Absorptive capacity includes coordination mechanisms, research infrastructure, organisational competence, regulatory effectiveness, policy continuity, trust, project implementation capacity, and channels connecting diaspora resources with domestic users. This explains why symbolic diaspora conferences or portals may produce limited outcomes if they are disconnected from funded projects, research teams, firms, universities, hospitals, communities, or policy processes.

Governance moderates this relationship. Effective governance can strengthen policy credibility, investment incentives, infrastructure, professional regulation, research support, institutional coordination, transparency, and accountability. Weak governance can undermine the same mechanisms. Governance is therefore not an independent guarantee of development but a condition that changes the strength of the relationship between circulation, absorption, and developmental return.

Comparative Illustrations

Saxenian's (2002a, 2002b, 2002c) work on Silicon Valley-linked technical communities in Taiwan, India, and China demonstrates how transnational professionals and entrepreneurs can facilitate knowledge diffusion, investment, technical upgrading, and regional development. For EJE ALO, these cases illustrate the sequence mobility → networks → circulation → institutional connection → productive contribution. They do not constitute evidence that those societies historically practised EJE ALO.

South Korea provides a different comparative illustration. Kim (2021) examines policies designed to attract and return overseas talent, showing both the importance and limitations of state efforts to mobilise international human capital. The EJE ALO lesson is that return or attraction policies alone are insufficient: domestic institutions and productive systems must be capable of using the capability that arrives or reconnects.

Theoretical Propositions

P1 – Community Investment: Collective investment in education and capability development increases the potential for outward mobility to function as human-capital development rather than only human-capital loss.

P2 – Strategic Mobility: Mobility produces greater developmental potential when it expands relevant capabilities and preserves opportunities for reconnection with the origin society.

P3 – Reciprocity and Social Return: The developmental value of mobility increases when beneficiaries maintain reciprocal relationships that enable knowledge, services, resources, or networks to benefit wider populations.

P4 – Human-Capital Circulation: The developmental value of mobile human capital increases as acquired capabilities circulate through professional, financial, technological, research, entrepreneurial, or institutional channels.

P5 – Institutional Absorption: The positive relationship between human-capital circulation and developmental return is stronger where origin institutions possess greater absorptive capacity.

P6 – Governance Moderation: Governance quality positively moderates the relationship between human-capital circulation, institutional absorption, and developmental return.

P7 – Connectivity and Innovation: Dense diaspora connectivity produces stronger developmental outcomes where innovation systems can convert circulating knowledge and networks into productive activity.

P8 – Human-Capital Multiplication: Developmental return is greater when transferred capabilities generate additional human capital, institutional capability, or intergenerational benefits.

P9 – Failure Conditions: Brain waste, institutional weakness, and migration from critical professions beyond domestic replacement capacity reduce or offset the developmental gains from circulation.

Testable Hypotheses

- H1: Community-supported human-capital investment is positively associated with beneficiaries' maintenance of developmental ties with their communities of origin.
- H2: Human-capital underutilisation in the origin society is positively associated with skilled workers' intention to migrate.
- H3: International educational or professional mobility is positively associated with acquisition of advanced knowledge, skills, and networks.
- H4: Human-capital circulation is positively associated with knowledge-transfer and professional-collaboration outcomes.
- H5: Reciprocal migrant-origin relationships are positively associated with developmental-return activities.
- H6: Institutional absorptive capacity strengthens the positive relationship between human-capital circulation and developmental return.
- H7: Governance quality positively moderates the relationship between human-capital circulation and developmental return.
- H8: Diaspora connectivity is positively associated with technology transfer, investment, entrepreneurship, and professional collaboration.
- H9: Brain waste is negatively associated with developmental return.

- H10: Hman-capital multiplication is positively associated with the long-term developmental return from community-supported educational mobility.
- H11: Strategic labour-mobility arrangements are positively associated with developmental return when critical domestic skill requirements and replacement capacity are protected.

Proposition–Hypothesis Alignment

Theoretical proposition	Primary empirical focus	Hypotheses
P1 Community Investment	Investment and developmental ties	H1
P2 Strategic Mobility	Underutilisation, mobility and capability acquisition	H2–H3
P3 Reciprocity and Social Return	Reciprocal relationships and return activities	H5
P4 Human-Capital Circulation	Knowledge transfer and collaboration	H4
P5 Institutional Absorption	Moderating role of absorptive capacity	H6
P6 Governance Moderation	Governance as moderator	H7
P7 Connectivity and Innovation	Diaspora networks and productive transfer	H8
P8 Human-Capital Multiplication	Long-term and intergenerational return	H10
P9 Failure Conditions	Brain waste and critical-skill protection	H9, H11

Sectoral and Policy Applications

EJE ALO has different implications across sectors. In health, migration can deepen shortages, so circulation should complement retention by expanding domestic training, supporting ethical recruitment, building replacement cohorts, enabling temporary specialist returns, expanding telemedicine, and supporting joint clinical training and diaspora-supported research. In engineering and infrastructure, diaspora networks can provide specialised expertise and international standards, but procurement integrity and project continuity determine whether they use that knowledge. In higher education, joint supervision, co-teaching, visiting fellowships, research teams, laboratories, and collaborative doctoral programmes can operationalise intellectual return. In information technology, remote work, mentoring, venture networks, and market connections can enable digital return, subject to infrastructure, finance, regulation, and intellectual-property conditions.

In law and public administration, internationally experienced professionals can contribute to arbitration, financial and digital regulation, public procurement, digital government, service delivery, and performance management. Across all sectors, the central test is not the existence of diaspora expertise but whether institutions can connect that expertise to defined needs, projects, budgets, organisations, and measurable outcomes.

Strategic Managed Human-Capital Mobility

The policy expression of the theory is Strategic Managed Human-Capital Mobility (SMHCM), an approach that is neither anti-migration nor an endorsement of unrestricted skill depletion. It seeks to align legitimate international mobility with domestic development while protecting migrants and safeguarding critical national capabilities. Its practical elements include:

- i. mapping national human-capital supply, unemployment, underemployment, and critical-skill shortages;
- ii. identifying legitimate international demand for Nigerian skills and establishing ethical mobility arrangements;
- iii. protecting migrants against exploitation, occupational downgrading, and brain waste;
- iv. expanding domestic training and replacement capacity in critical sectors;
- v. building verified diaspora professional, research, investment, and technology networks;
- vi. facilitating temporary, virtual, and project-based return rather than relying only on permanent repatriation;
- vii. strengthening universities, hospitals, firms, research organisations, communities, and public institutions as absorptive systems; and
- viii. measuring developmental return through transparent indicators rather than migration or remittance volumes alone.

Contribution to Knowledge

The principal contribution is that EJE ALO is an integrative theory of developmental conversion. It links antecedent investment in human capability to mobility, capability acquisition, circulation, reciprocity, institutional absorption, productive application, developmental return, multiplication, and reinvestment. The theory thereby moves beyond a binary distinction between migration and return.

Four contributions are particularly important. First, the theory provides an indigenous conceptual innovation by abstracting the “go and return” principle into a contemporary, testable framework without claiming a pre-existing formal indigenous migration theory. Second, it offers an integrative theoretical innovation by combining insights often studied separately across human-capital, migration, transnational, institutional, growth, and innovation scholarship. Third, it specifies a conversion mechanism: mobile capability is only potential developmental capital until institutions absorb and apply it. Fourth, it introduces community investment, Social Return on Human Capital, and Human-Capital Multiplication as mechanisms connecting individual mobility to collective and intergenerational outcomes.

The theory's originality claim is therefore deliberately bounded. Human capital, migration, reciprocity, institutions, diaspora engagement, knowledge transfer, and brain circulation are not new concepts in themselves. The contribution lies in the architecture connecting them and in the explicit question: how is human capability transformed from a private, geographically mobile asset into a circulating and collectively productive developmental resource?

Measurement Framework and Future Empirical Testing

A future EJE ALO Development Index (EJEA-DI) could operationalise the theory across five core domains: capability formation, mobility and circulation, institutional absorption, conversion into innovation/productive activity, and developmental outcomes. Community human-capital investment and reciprocity can be treated as antecedent and relational dimensions. Illustrative indicators include scholarships and pooled educational funds; professional and educational mobility; research collaboration and mentoring; technology and investment transfer; research funding and organisational capacity; patents, start-ups and technology adoption; employment, institutional performance, education and health outcomes; and the number of people trained or institutions strengthened.

The index should not reward high migration automatically. High emigration with weak circulation and low institutional absorption would not constitute strong EJE ALO performance. Empirical research should therefore test the density, quality, institutional connectivity, and developmental usefulness of human-capital relationships.

Priority studies include archival research on the Mbaise County Scholarship; comparative research on community-financed education; Nigerian diaspora surveys on migration, utilisation, brain waste, knowledge transfer and institutional barriers; structural-equation models testing absorptive capacity and governance as moderators; and longitudinal research tracking transitions among brain drain, brain waste, brain gain, circulation, and developmental transformation.

Limitations and Boundary Conditions

Eje Alo is a proposed theory and has not yet been empirically validated. It should not be presented as an established law of migration or development. Migration from critical sectors can weaken domestic institutions; diaspora engagement is not automatically productive; remittances may support consumption without productive investment; knowledge transfer may fail where institutions lack absorptive capacity; and international cases cannot be mechanically transferred to Nigeria.

The Mbaise illustration requires further archival and oral-history investigation, and a single biography cannot establish the prevalence or generality of a county scholarship model. JAPA is a contemporary expression and should not be projected retrospectively onto historical migration. These limitations are not incidental: they define conditions under which EJE ALO propositions may fail and therefore contribute to the theory's falsifiability.

Policy Recommendations

- i. Nigeria should establish periodic national and sectoral human-capital maps covering unemployment, underemployment, shortages, replacement capacity, and international demand before designing labour-mobility agreements.
- ii. Government, professional bodies, universities, communities, and diaspora organisations should institutionalise project-based knowledge-return channels, including visiting appointments, virtual teaching, telemedicine, joint research, mentoring, technology partnerships, and professional missions.
- iii. Critical sectors should combine ethical mobility with domestic training expansion and replacement planning so that circulation does not become a justification for unmanaged skill depletion.
- iv. Origin institutions should be strengthened as absorptive systems through research finance, infrastructure, procurement reform, organisational competence, regulatory credibility, and project implementation capacity.
- v. Community and diaspora scholarship schemes should incorporate transparent developmental-return mechanisms such as mentoring, service, research collaboration, local investment, or support for subsequent beneficiaries without making permanent physical return the only measure of reciprocity.
- vi. Migrant-protection arrangements should address occupational downgrading, exploitation, and brain waste because underutilised capability reduces both individual welfare and the potential for developmental circulation.
- vii. Public policy should measure developmental return through knowledge transfer, innovation, institutional strengthening, investment quality, employment, professional collaboration, and human-capital multiplication rather than relying only on emigration and remittance totals.
- viii. The proposed EJE ALO should be piloted and independently validated before policy adoption, with explicit indicators for circulation, absorption, governance, conversion, developmental outcomes, and critical-skill safeguards.

Conclusion

The Eje Alo Theory of Human-Capital Circulation and Developmental Transformation offers a proposed indigenous African framework for analysing the relationship among human-capital formation, mobility, community investment, knowledge circulation, institutions, governance, and development. Its

philosophical point of departure is Eje Alo—"go and return"—but its concept of return extends beyond permanent physical relocation to intellectual, professional, financial, technological, entrepreneurial, institutional, network, social, and digital reconnection.

The theory's central proposition is that people may move. However, developmental transformation occurs when the knowledge, skills, experience, networks, technology, and resources associated with mobility continue to circulate, are absorbed by capable institutions, remain reciprocally connected to origin societies, and are converted into productive outcomes that can be multiplied across organisations, communities, and generations.

The Mbaïse County Scholarship provides a cautiously stated historical illustration of community investment, mobility, reciprocal obligation, and educational service; the Ibibio Union provides documented complementary evidence of organised community investment in overseas education; and India, Taiwan, China, and South Korea provide comparative illustrations of transnational networks, brain circulation, brain return, and institutional conversion. None of these cases is presented as empirical proof of the full theory.

Eje Alo therefore moves the migration debate beyond a binary choice between retention and departure. Its policy principle is to invest in people, permit and manage strategic mobility, protect critical capabilities, maintain productive connections, strengthen institutions, circulate knowledge, and multiply developmental returns. The theory remains provisional. Its value will ultimately depend on whether empirical research can operationalise its constructs, test its propositions, verify its historical foundations, and refine or reject its causal claims.

References

- Acemoglu, D., Johnson, S., & Robinson, J. A. (2001). The colonial origins of comparative development: An empirical investigation. *American Economic Review*, 91(5), 1369–1401. <https://doi.org/10.1257/aer.91.5.1369>
- Adeniji, A., Dansu, E. J., Adeniyi, M., Ale, S., Ekum, M., Shatalov, M., & Enoch, O. (2024). Japa model: A mathematical framework for analysing brain drain in Africa. *Scientific African*, 25, e02329. <https://doi.org/10.1016/j.sciaf.2024.e02329>
- Akpan, U. J. (2017). The Ibibio Union and educational development of Ibibioland: 1928–1966. *Niger Delta Research Digest*, 12(1), 71–97. <https://doi.org/10.5281/zenodo.17319186>
- Basch, L., Glick Schiller, N., & Szanton Blanc, C. (1994). *Nations unbound: Transnational projects, postcolonial predicaments, and deterritorialisated nation-states*. Gordon and Breach.
- Becker, G. S. (1964). *Human capital: A theoretical and empirical analysis, with special reference to education*. National Bureau of Economic Research.
- de Haas, H. (2010). Migration and development: A theoretical perspective. *International Migration Review*, 44(1), 227–264. <https://doi.org/10.1111/j.1747-7379.2009.00804.x>
- Harris, J. R., & Todaro, M. P. (1970). Migration, unemployment and development: A two-sector analysis. *American Economic Review*, 60(1), 126–142.
- Kim, G. (2021). Foreign brain policies of South Korea: Focusing on brain return. *The Journal of Multicultural Society*, 14(3), 5–40. <https://doi.org/10.14431/jms.2021.10.14.3.05>
- Lee, E. S. (1966). A theory of migration. *Demography*, 3(1), 47–57. <https://doi.org/10.2307/2060063>
- Liu, J. J. (2024). Middle-class youth fleeing Nigeria: Rethinking African survival migration through the Japa phenomenon. *Journal of Ethnic and Migration Studies*, 50(16), 4021–4040. <https://doi.org/10.1080/1369183X.2024.2323049>
- Nelson, R. R. (Ed.). (1993). *National innovation systems: A comparative analysis*. Oxford University Press.
- Nwakanma, O. (2010, January 24). James Emeziem Nworgu, JP (1927–2010). *Vanguard*.

- Romer, P. M. (1990). Endogenous technological change. *Journal of Political Economy*, 98(5, Part 2), S71–S102. <https://doi.org/10.1086/261725>
- Saxenian, A. (2002a). Brain circulation: How high-skill immigration makes everyone better off. *The Brookings Review*, 20(1), 28–31. <https://doi.org/10.2307/20081018>
- Saxenian, A. (2002b). The Silicon Valley connection: Transnational networks and regional development in Taiwan, China and India. *Science, Technology and Society*, 7(1), 117–149. <https://doi.org/10.1177/097172180200700106>
- Saxenian, A. (2002c). Transnational communities and the evolution of global production networks: The cases of Taiwan, China and India. *Industry and Innovation*, 9(3), 183–202. <https://doi.org/10.1080/1366271022000034453>
- Stark, O., & Bloom, D. E. (1985). The new economics of labour migration. *American Economic Review*, 75(2), 173–178.