



Africa in this Ever-shifting Landscape: Risks and Prospects

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Citation: Paul Akangbe (2025) *Africa in this Ever-shifting Landscape: Risks and Prospects*. J. of Sci Eng Advances 1(2) 1-14. WMJ/JSEA-105

Abstract

The convulsive movement in the modulated, unflappable pace of the global landscape through spasmodic sequence of cataclysmic events in current world consequently presents a watershed moment to push the reset button for new model beside trail indiscreetly left behind thus palling to a shift in paradigm. Beyond mere assertion, twitchy response to this blip felt jarring over to vicious circles of severe impacts consequently has a leaden toll being pathologically placed on the emergent players' spirits. With confidence weakened over the overcast glumness dubbed on the once-limpid future glass and its outlook, this taxes with the necessity for volte specifically with regard to current operating model. Meanwhile, though with the lowhanging fruits to be cheered being already picked, this from this worst-case scenario in simulation touts up the question, either fitting in or breaking the matrixed mold, how Africa is amenably poised through revisionist strategies adopted to newly mint filigrees out of the platitudes of global narrative as seemingly homely as it turns out to be. While the world stands at the threshold of computational integrity with configurative capabilities augmentation edging on steroids, the primacy lies in the future of Africa (while Nigeria is microtargeted) taking its shape through processes such as in culturing spin-outs of solutions on African bioclimate while under way. As part of Africa's evergreen strategy, cardinality is placed on Africa carving out a viable niche out of this microbiome with waters left unmapped. This is not over-indexing on streamlining already optimized deal flows but in lieu exploring novel suite of alternatives potentially discovered as deemed fit for enriching perspectives all coming in flux. Accordingly the econometric modelling carries the conviction of capitalizing on key variables, lending itself to the canonical treatment which need be undergone yet partialling itself away at the contour which needs to be redrawn. In least absolute sense, this extends to the playing field which needs to be levelled for actors emerging as new growths. A fortiori it is imperative to rethink current model while adopting revisionist strategy in best way to what in concrete terms counts for gilded future strategy, specifically with regard to moldering axioms and vestiges of humbugging externalities as elements teasing out all-shade construal, all which critically need be expunged out of sticking codebooks. Most crucially, while leveraging on latency baseline, this article frames the cluster landscape on hexahedral geometry, its being contingent on functional congruence, in concomitant symmetry all the way to canonicity, diffusely simulating its near-universe through 6D topological model. At its best it explores the co-figurative potential of the hexagram model in synergistic interlinkage to the bioeconomy (its being inextricably tied to production!) and ultimately geo-remediation.

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Submitted: 08.07.2025

Accepted: 25.07.2025

Published: 11.11.2025

Keywords: Cluster, Capital, Co-Financing, Hexagram

Introduction

Over the years the shifting nature of cluster landscape has rendered outlandish all rethinking of everyday lexicons like ‘freeloading’, ‘offshoring’ supplanted for ‘nearshoring’, ‘efficiency’, ‘friendshoring’, and even ‘rightsizing’, all consequent upon breach on data integrity and mutual trust thus leading all the way up to markets fragmentation. In linear terms, tent enough as ‘reshoring’ and ‘security’ do capture the frontlines across handful of multilateral security summits, policy briefing interfaces, and memoranda from cross-littoral partnerships forged. Meanwhile, safety concerns are cited in the mainstream across the world as both US and China are remarshalling plans to steal the game show with their rhythmic peal tuned and take off the centre stage in global exposure, while Africa appears to find herself cast on he sidelines biding for takeaways to frame amidst the chaos taking off at its nascent stage. Yet reckoned as a sunspot belt of verdant greenfields and indigenous practices, Africa finds herself to be thrown into conundrum over walking the fine line between rehashing governance architecture in a prefiguring bid for risks mitigation and allaying security fears as end all while navigating this wobbly cluster landscape. Accordingly, while all her trim reconditioning merely appears to be tailored to ratcheting up these Gordian knots on the global shags, this acts up to be the tightropes moment for Africa to reframe her geo-fenced referentiality diving to possible worlds in building capacities across spaces such as air, water, and cyberspace and then bolstering up capabilities. Yet amidst this rough-and-ready scramble for sprawling footprint and relevance, it is momentous taking a swatch based on processes pursued vis-à-vis the contingency to maturity model, and ultimately to grace the silver screen sextupling gilt-edged investments. However, the intensification in cadence level of the hue scours stern grime much more on the sobering picture of the shared future with its hefty outlook

though for once painted rosy has its bright side faded across the spectral lines. Invariably, given the enormities of present concerns, a glimpse into this passes the buck on global systems which in their dysfunctions themselves lent to their fragility call for overhaul yet prompt for reconfiguration. Meanwhile, a towering picture of this being painted serves as an indicator to crinkly fault lines in indeterminacy flagdown of these systems thus calling the shots at actors for doubling down on efforts to anneal these systems in due foundry process, hence ensuring same are recast anew to new shape. While economies across the world shuttle on the sliding scale to secure a foothold in this wobbly landscape, the polarity level getting intensifying by geopolitics so far has a sullenly drab grime cast on the global narrative. More importantly, with the crosscutting nature of these global challenges sociotechnically cascading through halo effect towards tipping points as permacrises, the paradox over prospects of staying within ceilings is evinced in how the net efficiency gains gets outstripped by overall demand so far Balmford. Thereto, the broad viewscape as dishevelled as it appears to be over low prospects for rebound effects being captured in how intensive yet constrained are these computational resources which happen to be the staple of this swinging dynamic. Meanwhile, fragmentation occasioned from this interest’s fractionalization over footprint expansion for sprawling presence, with sole focus hinged on casting hollow shadows over others. Substantively this essay presents an atlas to decode the future from its clumps of alpha-schema dossier encrypted within, refactoring these signals for variables in prognostic cue to flows constraints along Africa’s concourse, delimiting this to Nigeria as a micro-targeted case study. Primally it significantly stress-tests the relevance of multilayered framework to bioeconomy, taking into its full account the significance of multi-scale approach to calling the shots at hexahedral model specifically in governance architecture. In essence, operationalizing efforts are

made at putting the futures in simulation yet ship-shape harmonized along distributed nodes for congruence effect in payoff to transfer of shared spin-offs and co-benefits, thus pulling out bunging spigot along the capillarity course, ditching the conventional helix pathway which cripplingly appears to be regularized. Most crucially, here the sextuple helix framework is presented as a stopgap.

Background

First off, the widening nature of chasm between critical-grade actors in cluster landscape is no overestimation, thus underscoring the significance of exchange mechanism adoption adequately predefined to six pieces of freeloader data across integration spheres. Decades-long Africa has been testbed for geopolitical experiments fulsomely carried out by China. Series of smarmy shifts however short out of slice-and-dice scramble are mostly tailored to ringing circles across the hats thrown in by others in the game specifically the US, with the latter's eclipsing statecraft geared towards casting a long shadow over the former's concentric ring (Coantlem, 2024). Meanwhile, the premium significance of this is highlighted in how nodal lines inherent between research, practice, and policy keep lying at differential. This come by virtue of how throughput coming as series of observables made by multiplayer so far gets outstripped by outcomes in contribution to overall output ultimately with each in their staccato nature to blended capital model—boundary line along each as elements in relative terms which this study aims to fuzzy. Moreover, the primacy of this being fine-tuned to Nigeria reconciles itself to her subsuming amongst Next-11 economies out of huge potential for canonical bowdlerization in propitious positioning to conversion ratio of capital investments to productivity as well as gross estimates in terms of high diffusion model, steep index ratio over the curve in terms of technological innovation and multilateral partnerships, influx of FDIs, trade openness, and immensely compounding value flows. Nonetheless, the significance of this lends itself to the N-11 economies' prospects of outstripping G7 countries in terms of GDP by 2050, thus turbocharging the former's base amidst acclaimed latter as lean markets defined by similar traits shared in bioeconomic resilience alongside demographic explosion and critical investments subsuming to same bracket nations in South

and Southeast Asian countries such as South Korea, Philippines, Vietnam, Turkey, Bangladesh, etc., yet no ruling out Egypt, Mexico, Indonesia, and Iran (ibid.). Meanwhile, selfsame countries are acclaimed to be potentially on par with BRICS in terms of pegged economic resilience, according to a 2016 report, with prospects of taking the chunky slice of 9% in contribution to global GDP. Accordingly the background of this furnished to its credit (sic) presents in truest terms the latent potential Nigeria being the poster child of Africa's vast blue ocean and natural rosette strands which upon initial state spun out of threshold to activation level all the way up to utmost consummation. In this Africa is poised to dab her wager in the pool, scouring modalities in best way to up her ante in piping out other field players in global exposure.

Related Work

Over the years there has been a growing body of literature encompassing cluster programs to which sometimes little attention has been given. Besides, a career has been made towards galvanizing entrepreneurship out of shift from public financing to private risk capital, hence serving an indicator to how cluster landscape has been reimagined through a novel lens right from the ringside seat position of how nest eggs are funneled down to each player across varying dimensions in selfsame landscape. Increasingly this being described as nascent surfaces out of the need for shift most specifically with regard to the way gap inherent between private capital (ultimately supplanting private equity as public procurement fails to do the trick!) and public procurement engagement keeps yawning. Accordingly a model in this presented advocates doubling capacities across existing layers of governance for mechanical adequacy. Carew-Jones in his analytical perspective highlights the potential of private-public engagement to regime designs in terms of climate policies and their implementation. He advocated the relevance of cofinancing model to private projects, thereby culling insights to plugging away the implementation gap in prefigurative bid to create climate-smart cities of the future as spaces for green innovation. Meanwhile, most multilateral interfaces and summits are at the frontlines of spawning funds for R&D projects In a prefiguring bid to secure an equitable and prosperous future. While the shifting nature of cluster landscape prompts for sheer proxy to these, polycentric approach ought to be taken in decisions-

making process-based models, ensuring all stakeholders across multiple levels of governance are fully engaged to utmost representation, hence doubling down on how decisions have to be rescaled in fostering multilevel governance. In significance to bolstering cross-sectoral integration and hence its vital role to environmental stewardship and governance, multi-level governance substantively affords itself new niche topic in rediscovering terms like para diplomacy and multilayered diplomacy, while being to its signification an analytical perspective that considers institutions at national, subnational, and trans-/multinational governance scales and their vertical and horizontal linkages. Suffice to say, huge potential of this as advocacy for polycentricity as it matters most to governance architecture in attaining global economic output is demonstrably scored as successes in Brazil's Sao Paulo, and Germany's Ruhr. Meanwhile, private-public engagements appear to be increasingly corny in literature. However, cue taken from its success scored in plugging implementation gap inherent in climate policy in Norway's Oslo seems of premium significance, its being integral to UNFCCC's framework hinges on soft engagement of actors across macro, meso, and micro level significantly in reining in carbon footprint. While potpourri of both transnational and multi-municipal perspectives are keeled to in preference, the preclusion of damp-squid scenario, mapped to how inchoate 'light-house' projects' pitches for consummation embryonically get queered, is tacked to how climate-compatible funds are adduced to dovetail with nationally determined contributions (NDCs) feasibly enhanced through incorporated MRV mechanism as well as critical climate initiatives such as REDD+ (Carew-Jones, 2018), ultimately making sure these targets toe the line of agroecological objectives in net-zero transition race. Besides, extant studies resulting in econometrically modelled inferences and socio-historically significant findings robustly stress-test the relevance of triple helix framework to national bio-economic development. Quintuple helix pathway has been posited as proxy out of need for regional focus from public dominated by hard-and-fast rules to private for new ownership model and sheer shift from R&D to markets-driven opportunities and long-term perspective over horizon scanning, ultimately with necessity to supplant top-down with bottom-up approach in best order for amass forged alternatives as solutions

despite being naturally emergent to built yet allowed to mushroom into coppices—deciduous and yet sparsely covering African bioclimate. Meanwhile, recent publications in body of literature lay bare a grey area worth being reimagined and thrashed out in integration spheres wheelhouse on the level which rears up to be inadequacy of significant data whose to its default global exchange mechanism lacks in instrumental adoption.

The prime exigency of this surface out of how the inherent delta between evidence from science-based analysis and practice to policy as well as the staunch nature of capital flows keeps flaring up on an informed basis. Crucially this hierarchical reckoning demonstrably from series of evidence-based analyses tilts to defaults in interventions merely bluffing over significant brackets in underserved communities whose data ought to be integrated into governance mechanisms. Suite of novel designs and application of their use cases adopted across domains are poised to be synthesized through new alternative focused on retail creating a commodious latitude for entrepreneurship nudged through phases of experimentation of test cases spanning from concept proof, prototyping to pilot studies of selfsame use cases. With the birdseye view of the future captured as it is moored to manufacturing, an instance of this is touted in perspectives in fashion and textile aligned with agroecological objectives, which heretofore bringing about possibility of spacewalk through Velcro suit design and magnolia-inlaid rockets. Incidentally, a reference point can be made in analogy to how testing hypothesis through tool-based framework like cost-benefit analysis or Units Root Test which espouses to internal properties of each of the variables has left open moot points across handful of keen areas, akin to how as much touted as are granger-causality, simultaneity, multidirectionality, all which forms endogeneity modules. This makes to resurface the poseur, 'does context really matter?,' significantly much touted in comparative world. Meanwhile, context, in its restrained sense, presents a limited window to incorporation of relevant variables against the broad macrocosm. Absolutely it furnishes for nuances (in filtering signal out of noise) and homogenous outcomes, both partialling away at potential underweight/bias and underfitting. This comes by virtue of trade-offs concretized in paucity of information (in both quality and quantity dimensions)

and parsimony on arbitrary choice of parameters. However, context-agnosticism over comparative worlds may apparently blur the fault lines appearing as omitted variables, in least discretionary preference to inclusion of extra empirical information tends to restore confidence in matching and propensity of estimation model. Evidence-based analysis has its downside in benefits to costs appraisal over low prospects of precision, cross validity, sturdy reliability, accuracy, and ultimately robustness checks. The significance of this undergirds the hierarchical model especially for decision-makers who integrally are for the most part veto actors in cluster landscape. By virtue of that, holes have so far been picked in cost in welded capital model outstripping benefits in markets ecosystem, hence priming for pivot to private stream though its fluvial traction comes with incurred risks obtruded at the very least incidence. However, heterogeneity of outcomes make up for deficiency and uphold of model in the course of quasi experimental design undergone. Meanwhile, with this being due to least discretionary nature of evidence most postulations hypothesize development of early warning systems and standardized frameworks as suitably best preemptive risks measures most specifically in grid world settings bounded by context. Clinically this attunes to parametrization and benchmarking of outcomes as critically best practices in index-based approach to decision model reconciling itself to quasi-grid constraints prone to stochastic trials.

Methodology

In principle, this article follows a chain-of-thoughts technique, drawing upon existing model for novel nowcasting strategy. Holistically, with bottom-up approach adopted through conflation of both theoretical and empirical formula followed, it aims to present an atlas to decode the future through novel design frameworks by ditching the hologrammatic representation of cluster landscape simulated through triple helix pathway which appears to be regularized. Through systematic framework underpinned to 6Ds toolbox it cooptimizes key features of stacked layers of global architecture format targeted at reinventing robust independency model through iteration loop of hypothesis testing and right from concept proof all the way up to prototyping towards pilot phase of newly minted markers strip stenographically encrypted with alphaschema dossier as insulated carriers of bifurcated

semiotic cues cached against smack-down to security futures. Simulating the cluster landscape through 6D topological model, it designates certain elements in best way to create a unifier effect. Significantly triangulating between data points across coordinates, it follows a rule of thumb procedure algorithmically to capture the birdseye view of the global cluster architecture. At its depth, this article maps out a blueprint to design strategies in ensuring the future of security taking shape as stepwise inch for cheery cluster landscape. On the baseline of standards framework and performance index, it heuristically follows a play-book ostensibly topped with formulaic toolkits at the frontispiece in ‘cracking the nuts’, all in souping up anew cluster landscape layers through recipe-driven algorithm. At its heart, it aims to simulate the cluster landscape through 6D topological model. For heuristic guidance it maps data in diagnostic check to identify and track key levers for outliers and anomalies in global cluster landscape with regard to modern world and its order. Tentatively taking a shift from regularized triple helix to polygonal geometry, it carves out groundbreaking principles as philosophical trigger for stability targeted at fostering syncretic congruence in upfront against detour on the sprint whose trails need be blazed anew. Clinically, it draws linkage between nodes of hexahedral geometry for new layer of density in terms of functions. Hence, the integration of the parametric toolkit into every node with loop as end cycle reflects back the constructive parallel consequent upon the world order being viewed through the lens of this geometry, as it happens to capture the all-shades imaging of the global cluster landscape.

Relevance Hypothesis

Crucially, from African perspective this section stress tests the significance of nowcasting model to the theoretical framework formulated. Nevertheless, a prominent feature that makes economies relevant in global exposure is liquidity, apparently evinced in concentration of assets amidst operators and/or markets participants enmeshed with ebbs of latent content to fostering nexus security. Palpably, in no mere mis-specifications, creating models relevant to contemporary world churns out a bright spot out of necessity for nowcasting in practice significantly for attunement to altering conditions. By design, the analyticity of this nowcasting model hypothesized much affords the plausibility of causal inferences between indicators

to multilevel governance architecture (hereinafter referred to as regime designs) in relations to the innovation index, the resilience index predefined as dummy and the capital expenditures hereinafter referred to as capex) independent variable respectively. With this simulated in a quasi-grid with its constraints, the nodal halo model in its pertinence exhibits some internal degrees of freedom yet affording for enriching characteristics itself additional layers in terms of hull complexity suitably to impose near-term value and ultimately for efficiency. Reproducibly, though refutable, this postulation drills down on doubling already built yet preexisting capacities laid claim on worth not being elated about across levels—for instance, coordinates with regard to finding ground in the tumbling waters of cluster landscape oftentimes touted in trade-offs between cross-sectoral practitioners, academia, and policymakers to which to the model's propitious advantage they are reconciled in being tunable. Significantly making an attempt at explaining pathdependence phenomenon critically helps to expose the cause-effect mechanism between capex and innovation index. Putatively a key indicator to causal correspondence displayed between the two variables is shown in how investments in capitals as wherewithal or whatever appear to inform carveouts of solutions coursing non-caulked through the global capillary all from enabling spaces created for all-grade actors pivotal to these.

While correlation shows the tendency of each as covariate to channel along pairwise in linear, constructive path, autoregression gauges their inferential relationship the other way round in phase along the channel slice all to some degree of conditional dependency, the coefficient being the ratio with intercept considerably worth being included in the aggregate estimate. An instance can be quite given in an empirical testing launched, through a channel potentially singled out, at how regimes tend to exhibit varying degrees of mean reversion in their proneness and persistence to endogenous shockwaves eddying up across regimes. Meanwhile, the confounding factor in regime designs as the control variable weighs its relevance to this hypothesis for the most part on the historical data at the cross-section of time-series while subjecting to discrete analysis. For instance, multilevel governance as regime designs much bring to fore differences amongst spheres or preferably thralls

whose designs are shaped by interactions between their respective actors all with established boundary with vast columns of spadeworks and array of wild cards played through series of experimentations with designs frameworks, despite its lacking in case study. The plausibility of this, therefore, irrefutably affords much speciousness to the assertion that both regime designs and innovation index (the former as stated above being control variable and the latter being dependent variable respectively) are mutually reinforcing, as ends to means or vice versa. Affably the interaction of explanatory factors and discretionary sets of parameters as extra empirical information coupled with other statistically significant features in both variables shows how the latter indubitably follows a well-defined path to the former, same way for overheads in relations to outcomes (either short- or long-term). In rem the capex, for instance, how outlays fed out in physical capital such as macroeconomic standards or lifestyle index framework tend to be in phase to overall development and prosperity which in refractivity redound to nodal convergence in function between clusters of actors lying in sparsity. Thereto, shoving this capacity beyond boundary (sic.) fending for novel aspect of alternatives to current aspect of the N11 economies (like shift to market-driven opportunities as means for new objectives in end) ups the ante of possibilities debouching out of quixotic figment in building superclusters, taking this vis-à-vis the resilience index to which the economies display similar traits. With the big picture of a hypersphere painted, each dimension of the topological space in simulation has to its label special domain to which affine operators constrained by local boundary are mapped. Tailored to its sphericity, each domain embeds in itself spheres of interests differentiated in terms of functions and hence has hardcoded to its boundary fringe characteristics to their internal degrees of freedom which though embeds in all-scale data sound significant for centre- cum periphery-grade actors. While a speculation of this pick on doubling capacities at macro, meso, and ultimately meso level, the positionality of both grade servers affords to their referential codependency, the former's chirality hence setting an antecedent for the latter's nodal operations in its value chain. Contextually, as a critical point this has so far been leveraged by players, doubling down decades-long on experiments with tuples of variables taking on varying capitals specifically shelled out on

African continent as major testbed. This model evincing nowcasting in practice can be fallen back on in countermeasures to these multishot tacks jockeyed up in scramble all making their course through slice-and-dice approach ultimately as a smokescreen for sprawling footprint and expansion of power play. Crucially this article takes a granular view mapping out through nodal halo the complex landscape of cluster worlds from markets-driven locus, with strategies for Africa not undercutting her edge taking into account the hub-and-spoke model as bargaining chip in her depository of blue-indexed trustkeys against her getting cast into the margins in the global markets exposure. In best way for equipoise through firehose in her armorial hosiery and ace card up her sleeves this is amenably poised to translate directly from critically smart investment through natural, economic, and human capital (hereinafter referred to as content!) significantly doubled down on in relevance to the bioeconomy, with harmonization between transnational, economic, and environmental security underscored.

Unmasking African Challenges: the 6Ds

Decades long Africa has been a hotbed for instabilities with severe weather events coming with impacts on varying degrees alongside straits from economic clawbacks, yet topmost of all dumping grounds for geopolitical interests pursued by world superpowers and their play. All these issues take in people, planet, and the ecosystem, thus bringing to the frontlines the significance of system-based adaptation.

Decoherence

Rudimentarily it is no overestimation that trust intrinsically being the special torque converter on the institutional wheel for the most part hobbled by veto actors has so far cratered to overdrive mechanism thus leaving crevasses on African truest glaciers. Modern day democracy has its lids smacked down on this owing to rate at which trust which is the sticking point of democracy keeps faltering. Radial-ply, smoldering of social capital makes allowances for 'noise' or outer interference in upstream course way against integrated configuration to which shared ideals embedded at axle point of democracy locomotive are configured, the smelt in the solenoid ultimately stemming from local aspirations in asymmetry to global targets all the way up to rabbit hole in legacy

systems. To this, this meltdown calls the shots at institutional-grade reforms which need be implemented as this is defined on institutional quality as key determinant of a well functioning democracy. While this so far occasions break in bond of symmetry, ultimately infilling of institutional 'leaks' along the tunnel with grommet sounds primal.

Digitization

The advent of the Internet has played a vital role in creating enabling spaces for myriad of possibilities, thus culminating, through dot-com bubble notching its peak in the aughts of late twentieth century, in sub-vertical of digitalization making its upward trajectory as vector. Consequently a new vista is envisaged as data blobs being the holy grail of this information age keep proliferating yet dwindling in quality capacity, being pivotal to this new frontier of innovation ever pushed in human history with IT being the engine room for current phase of industrial revolution (Arney, 2019). Meanwhile, a quirk along shaggy narrative is marked by AI dominating the headlines in its swingeing tour de force over the years back. Besides, instance of this opens up novel paradigms, thus significantly underscoring how each epoch comes along with capabilities and its own risks tacked behind. After all, a new apotheosis to augmentation is notched up as cluster landscape with its shifting nature calls the shots at how dataset with undercurrent over non-linearity—whose issue involves ownership and consent—is handled, hence with the axial movement meteorically marked at unprecedented scale. While the overall online data has been pegged at, per a recent report, over 175 zeta bytes so far, cardinality of genetic data privacy surfaces out of prime exigency as to how deltaic void yet yawning is left on the face of data governance architecture. The primacy of this parallels much to how Africa is being put at a disadvantage on the basis of vacuum allowed to be tapped into as vulnerability on an informed basis, hence priming for hermetic rescaling integrally as one of the drawstrings to be pulled over the moat as an undercurrent. Most crucially, AI promisingly embeds in its inbuilt, proven integration capacities a slew of use cases in application phase, thus leaving a wiggle room for its adoption across raft of domains of which cybersecurity comes to the fore (a spot to which Africa is disproportionately vulnerable). Ultimately, AI comes with a vital role to play significantly underpinning its models- based

frameworks to cybersecurity taking its shape, thus emboldening the already rose-tinted glass-view of the shared future for Africa and even for the overall global setting.

Degradation

Landscape across regions specifically in the tropics and the subtropics is typified by sere bouts of aridity, landslides, volcanic eruption, as well as intense desiccation occurrences recorded at vegetation spots as in cases of peatlands and wetlands degradation. noticeable are cyclical high-precipitation events recorded such as El-Niño, blizzards, torrential downpour, hurricanes, tsunami, hailstorms, tornadoes, etc. What about expedited deforestation rate (which accounts for clearing in over 71 million land hectares primarily for and livestock and oilseeds spanning from 2020 to 2050) swooped on for benefits gleaned in proceeds from cash crops like coffee, cocoa, timber, cotton, etc.? Yet this extends to those forests' expanse left degraded in East African countries like Uganda, Rwanda, Tanzania, Djibouti, Eritrea, among others. This alongside eutrophication and acidification on the verge of reaching peak level consequently plays a contributory role to ecological degradation thus bringing about biodiversity loss and wildlife mass extinctions. Besides, the highfrequency incidence of this falling on vulnerable millions of lives in Sahel prompts for coordination of harmonized efforts to foster synergistic interactions in cross-linkage between mitigation of these existential risks and adaptation of vulnerable countries like Nigeria, casting lifeline out of its muddling waters as safety blanket against unmitigated risks, specifically on those severely impinged from the jarring effects of climate crisis boiling down to sub-Saharan African settings such as Nigeria. Unequivocally this brings to fore the crosscutting issue of food insecurity coming into play as one of the dynamics in Africa. Meanwhile, while this in conjunction with desertification and land degradation quirkily forms the convoluted nature of land challenges, worth considered are fragile food systems which need be revolutionized. The aforementioned constituting land use change coupled with sea use change integrally form the crux of the triple planetary crises of climate change, decline in biodiversity, and ultimately pollution. Whilst self-same itemized are ecological ceilings, it is expedient to protect planetary boundaries to avert unforeseeable

risks however remediation for losses inadvertently induced seems practicable.

Diseases

As biological weapon to erase human footprint on the planet face, the temporal-bound outbreak of diseases pose serious risk to public salubrious integrity, thus triggering disruptions in normal functioning of markets across subregions in Africa. For instance, recent report of cases like Marburg virus, poliomyelitis, monkey pox, etc. has in their incidence raised the mortality and morbidity rate particularly in vulnerable areas prone to the diseases. Meanwhile, central to this is dismantling of health infrastructure as one of the weak points to assayed scaling taking into account response to over preparedness to steer clear of future outbreak. All the way, research outputs aimed at putting these in containment take 'gain of function' techniques at their plum line in precluding future outbreak of diseases, painting more deeply a rose-tinted glass of public health. Optimistically this is made feasible through proteins design, however the setback being suboptimal availability of availability of vaccines yet caught up with novel toxic compounds critically forming a major biochemical weapon. Beyond public health though a vantage point used by the superpowers take advantage of Africa, there is still a thin line between mental health and digital health which needs to be blurred, however the exigency for striking an exquisite balance between both.

Debt

As a major macroeconomic headwind, accumulation in sovereign debt following cyclical patterns has been an encumbrance to many countries specifically in the Third World, consequently putting their salubrious spending at a disadvantage. In the act towards debt restructuring, chunky shares of debt to GDP in terms of ratio. Increasingly the fiscal outlook becomes dour as monetary outlays make their course towards debt servicing. Aptly the incumbency for macroeconomic equilibrium behoves top-down actors to rein in spending, hence in place of tax net widening. While lack of fiscal spaces has been corroborated to be the key in this debt accumulation, central banks recapitalization has sizeable outcomes to offer in creating balance in budget deficit. Launching auction in to budgetary practices ultimately helps to secure protocol as hedge against sudden stops intercepting regimes as unforeseen

future occurrences or disruptive shocks.

Demographics

Current dynamics stand at the confluence of both demographic and technological shifts. Meanwhile, demographics has received scanty attention in stark contrast to technological advances, despite how both tend to intertwine. At the very least this prime for culturally significant adjustment, this over requirements drilling down on human capital being the prime determinants of value. In a least dissimilar sense, this evinces the unreconciled need for cultural alterations in best way for multilevel governance thus integrally forming mechanism for multi stakeholders engagement. With explosion in population due to urban sprawl in Africa, it has been shown how global demand in basic necessities will keep being on a surge for this value derived centrally in plastic as well as biomaterials for fashion is set to double in the coming forty years, with annual waste of these products projected to rise by 70% by 2050. Meanwhile, Africa is projected to have over more than 1.87 billion people as working population, with 75% falling under young age bracket, in sheer gulf to aggregate gauge of global population projected at 10.4 billion, both by 2050. Solution seemly to closing the yield gap ex ante for demographic optimality has so far so been touted in a nowcasting strategy which needs to be embraced. Meanwhile, global population is projected to reach the spike level of more than 9.2 billion come 2050, and then flatline down the plateau due to low fertility rate in vogue, with 3 in 5 people projected to be of African identity (Pedro, 2024). Accordingly, recoup for any unobtrusive impacts or lopsided effect can be made through pro rata attention given to both as they wiggle their locus over the steep curve.

Shifting Dynamics in Cluster Landscape: Why Content Matters?

Top-line, the model flips its upside on its synchronicity as it makes provisions for granularity of pertinent data blobs pieced while feeding out in flux as slivers up across piecemeal inferences scales. The crystalloid put in simulation to its uptick reflects the snowflakes patterns with its symmetry panning out radial-play. The overlaps in pattern adequately attune to differentiation amidst operators, yet all paralleling in function. However, this put in hologrammatic representation highlights crinkly line along the orbifolds of

rule-based Western-led World Order, with axiomatic touchstone underlain to. Pivotal to the shifting dynamic lurching in cluster landscape is trade-off in data quality which has to its indeterminacy been playing a central role in trotting out fragile systems, thus leaving to crumble their very sole foundation in which world order is built. For instance, a worm's-eye view tends to be captured in an attempt trialled to create a channel through evidence exposing the codependent relationship between lagged observations of the past and future outcomes. After all, evidence in science presents distortions of canonical gestalt, while all shuttles down the sliding scale home in specifically on forging out a model odds-on to reinforce early warning systems. In fact, in no mere whitewashing as a macro force underlying, it is no coincidence how heightening rift between the top players US and China has so far thrown Africa into conundrum over prospects of equipping these systems for resilience. Yet amidst this jostling amidst others in global exposure, same is captured walking a fine line between rehashing governance architecture and bolstering national security, consequently taking the latter as precedence over the latter. Meanwhile, over the years, even heretofore, the global landscape defined by unmitigated risks has been beset by headwinds on multiple fronts, with suite of axial shifts cutting across all planes of the global pyramid. So far, gobloads of mounting concerns are cited over the torpid nature of the overall economy outlook, even with all segments being cast in limbo. Deterministically this is not a far cry from emerging economies like Nigeria teetering in this wobbly landscape. In effect, this casts doubt over the rose-tinted glass of the future outlook, thus ushering in jitters to low prospects of Nigeria's overriding hoist of hitting the enabling ground of ringing circles over other economies let alone wielding it running in the global markets exposure. Nevertheless, in a prefiguring bid to secure the future, experimentation of myriad of approaches holds sway on floating the boat in prospects of her finding feet amidst this tumbling waters seemingly murky yet frothy. Hence, suffice it to say the best content strategy actively lies in potential steps yet undauntedly taken for emerging economies like Nigeria odds-on to do the trick in best repositioning order suitably in new aspects for unclogged concourse of refreshing perspectives seemingly picked and sucked up owing to saturated nature of increasingly competitive market. oil-producing communities cannot

achieve the broad focus of the sobering picture local content brings if they operate in silos, with this underscoring the significance of transnational super-clustering feasibly underpinned by multilevel governance. Voila it is momentous to say that for buy-ins to be secured, either offshore or onshore, novel designs on predefined models or bundles of preexisting frameworks have to be rolled out, thus significantly underscoring premium overheads which need be divested of or shelled out for Africa's bio-economic parallelization gradient as it matters to global cluster landscape being propitiously racked up. As such, being primally a worthy priority for growth of infant industries in oil and gas sector against getting dwarfed by foreign operators, it is no mere gross statement how local content has a lot to offer in boosting proven capacities and revitalizing already inbuilt capabilities in best position and vista for fresh opportunities coming especially offshore. Quite plausibly, a brownie point out of providential reckoning is scored to Nigeria's content credit as strategy in prospecting for influx of offshore opportunities through local content advancement towards supranational level, aegis of this underpinned qua efforts made by ancillary bodies in African bloc. Nevertheless, while national content development appears to be substantially significant, worth integrated are interests for African local content which have to be equitably advanced against just endogenous careening keeling over to tendentious diagonalization or, to the nicety, lopsidedly multidirectional leanings. After all, out of expediency is delicate balance ought to be struck between both despite their differing nature of interests along the spectrum before successes are liable to be scored best way in maintaining salutary poise against dynamically ensuing vectors or parallels observable as sub-verticals. In the light of the foregoing, therefore, actively all-side approach to enmeshing African local content into Nigerian content as a part of developmental priorities is taken, while passively ensuring no projections over baseline gaps or overlaps jutting out in outcrops with the pursuit of the dual interests under way.

For Piecemeal Content Strategy: Framing What Counts

Over the years back, Nigeria has been beset on multiple fronts by challenges which keep rearing up their ugly heads. In draw-back to her utmost giant stride,

all these have been accreting to hiccoughs, yet resurfacing and flipping the unruffled script in her day-to-day normalcy ultimately hamstringing her operational flow. Incidentally, it is no coincidence how her unsailable feather cap on an informed basis has so far got tousled albeit strategies taken in the trot to preen her downy plume, despite her being a rich oasis immensely endowed with vast repository of oil reserves in no overestimation. Notably all these follow closely in the nosedive dip in domestic economic output catching the glimpse of the fiscal outlook being precipitated bluffwise to the tailspin, tripping plummet lever in shares of wholesale energy production recorded so far at record low, coupled along with the concentration of assets ownership in the hands of foreign operators, ultimately with accumulation of latent and stranded assets as well as private stakeholders taking the chunky slice of the national pie. While default in quality data has so far been contributing stranded assets accumulation, in detrimental smackdown to boost in local, inbuilt capacities and extensive capabilities buoyancy, quite noticeable is how the volatility measured in energy markets price has made impactful frictions over the collision course on latent budding capital. As an untapped resource yet disincentivised from being deployed at wide demonstration scale and integration scope due to cost unmitigated at procurement phase, this calls for interventions in a prefigurative bid on how to realize huge potentials especially in Nigerian content and its development at wide scope and expedited speed even in the imminent future. Consequently with these determining factors posing threats in negative, weak signal to confidence in local content advancement, it remains pivotal in taking a pre-emptive aim at removing all layers of barriers amassing up as roadblocks hampering free flow of local content promotion alongside indigenous interests perviously shuttering narrow tract of the Nigerian oil and gas value chain. Yet efforts have been bolstered up so far through federal policy frameworks and incentives rollout from monetary instruments. Admittedly, this culminates in embracing evergreen practices, unwaveringly staying true to the bearing in the course, all while still delivering on its trenchant promises in line up to fostering local content advancement, even almost half and a decade in the wake of the jurisdictional ruling. Meanwhile, giant stride in this is measured in how local content development had so far been festered through vast array of channels and vehicles in

venture studios and suppurating entrepreneurship programs clustering to supra- cum transnational gamut through regulatory sandboxes are on an informed basis assayed. Topmost of all, the evergreen strategy to be conjured up falls on bitwise but smart investments in variables which take the whole expanse of natural, physical, as well as social capital all as variables (Dieter, 2024). Nevertheless, beyond this line to be toed in dredging novel draughts on green-tinged filaments along the African gills, exploration in prospects segues to embrace of gimcrack strategies in sloughing off all terms of gossamer fibre throwing up dead weight behind her draughts fluff.

Beyond Local Mystique: Picking on the Low-hanging Fruits

To begin with, Africa stows away in her repository hydrocarbon reserves apart from oil measured in propane, methanols, butane, naphthalene, etc., and even petrochemicals. However, the broad vista is overlooked due to the saturated nature of oil and gas sector, overwhelmingly getting competitive. Meanwhile, dated back to the 1950s, OPEC was set up in deflecting towards local content promotion in African subregions as countermeasures to US iron grip dominance on global oil reserves. Indubitably analogy to this is found in Nigerian context in this as Africa constitutes merely 10% of this, consequently resulting to APPO set-up in the

1980s. Meanwhile, OPEC, being a cartel of major oil-producing countries across the Far and Middle East and Africa has scored a dwindling capacity in fostering energy security owing to mounting pressures cited over local instability and insecurity concerns. Meanwhile, though Africa being a vast reservoir of hydrocarbon deposits as a continent, upsurge witnessed in occurrences of these simmering to intensity is integral to volatility in fuel pump price, thus resulting in OPEC's energy output on the yield curve getting outstripped by the US producing billions of barrels per day as the behemoth oil-producing country in the world. This framing reality can be presumed akin to how Nigeria has been losing her vantage position flagging her competitive edge over other oil-producing economies to rivals not far-flung within African trading bloc—Algeria, Ghana, Namibia, Senegal, Mozambique, Egypt, Libya, etc., for instance—despite her strength in maintaining pact with

such countries for best economies of scale. This yield gap widening, consequently, has placed a heavy toll on multinationals' spirits and vested interests in presence sprawl for Nigerian cum local content, not a far cry from other OPEC ancillaries. Nevertheless, exploration of alternatives as workable means such as tapping into African continent's hydrocarbon reserves, leveraging for competitive advantage of franchising rights granted through memorandums in terms of licenses and/or offshore leases, reshoring contractual pacts partner and transfer of procured technology for mutual benefits, amidst others will go a long way in a bid to levitate Nigerian value creation off the ground especially along oil and gas value chain. This stance has a lot to offer in putting Nigerian content in good shape for the future energy outlook, coming along with each player not being remiss about breach in best way not to compromise on the integrity of other economies or oil microcosms within African regional interests and advancement—in line with 2021 AfCFTA trade pact pro rata toeing up NAFTA launched for mutual trade between the US and other North American markets in the 1990s though with strings attached². Above all, nontrivially the centrality lies in Nigeria making herself a sweetspot for critically climate-smart investments which will along the way infuse into while distilling an enabling atmosphere of uplifting radiance in this sullen overall economy outlook. This does not obviate the assertion for, in best order for canonicity, bioeconomically significant adjustment to be made chiefly through visiongrade wrench as critical tool. Accordingly trenchant stance need be capacities leasing amongst operators, with interoperability standards quantilized without giving a wide berth to formation of joint ventures, partnering and the development of licensing pacts and clips of treaties pencilled out between Nigerian and foreign contractors and service or supplier companies agreements. That apart for feasible viability, though, Nigeria still needs to cater for her adequate standards in making such joint ventures or alliances dealings meet the requirements of Nigerian content development to her utmost saturation point through reevaluation of such. More importantly, being of high prospects of churning out a huge deal is rollout of incentivising tenders to those foreign operators with their proven capacities fully domiciled in Nigerian base. To top icing on the cake, Nigeria's well-thought-of blueprint for her energy-secure future is not yet graced with silver screen if failing in forging

partnerships with private entities on both supranational and national level. And irrefutably taking a cross-sectoral approach to its engagement with stakeholders from other economy segments will play a pivotal role in expanding facilities such as in CNG for efficacy and supply chain efficiency. By the same token, this is liable to usher in an enabling environment for novel direct investments thus triggering harmless cross-border data and technology transfer in best way for interoperability of these riched co-benefits, while more importantly not remiss about breach on integrity as a fault line in a stalking horse to proprietary prerogatives. Connection of these capabilities is poised to distil an enabling atmosphere for multinational consortium building, with already inbuilt capacities being doubled down on yet allowed to lease out amidst aggregators across sectors, with the satiny silk thread to potentially dispersed out of the cocoon ultimately all the way to concierge of superclusters at the apogee. To culminate to such is media communicating Nigeria's ethos and ideals to the world invaluable for awareness and literacy as it is nucleated as staple of this increasingly competitive and hyper-connected world even in this defined epoch. Tacked on to that as well is interdependency built with marine sector, thus vitally facilitating accessibility to outlying hinterlands in dowsing and striking of new lee spots, shale beds, and troves of other sedimentary reserves. These sizable opportunities are potentially to be nurtured towards consummation for utmost realizations of these fluidly accessible for all. In sum, mainstay of these in the content plain sailing takes its spar on casting safety nets on those disproportionately impinged, tacking on to that labour productivity in a prefiguring bid for her margins protection as a gauged indicator to socio-economic development (Guenzel, 2023). Nevertheless, it is momentous to pull out poor regulatory frameworks in fiscal environment in order to give way for close monitoring and evasiveness in legacy systems flagdown. Success of this is of high prospects of promoting economic integration on both global and local scale. Also, with carrot-and-stick approach taken into consideration, roll-out of policy incentives as reprisal in standoffish favour of those companies integrating sustainability into their business models is paramount. This does not rule out the MSMEs making eco-friendly practices as part of their day-to-day operations. Coupled along with that are all forms of

policy distortions suchlike in loop in plastic use and subverting subsidies and those tinged by ideologies which ought to be eliminated in their entirety.

Summing over the Paths: For Nexus Security Futures

Attempt at tautening up such a tense scenario as this especially in staving off gross enormities in the near-future brings to surface a nagging question: does it take reverse geo-engineering to stave off unforeseen chaos or remediating for incurred losses of the present? As well, how the past translates to the futures furnishing the fabricated evidence to its being as sum total of histories, and how the present does follow a well defined path to these histories? Beyond suggestibility, it appears illusive making an attempt at establishing correspondence channel between lagged observations of histories and future outcomes. While current agri-food systems specifically in Nigeria vouchsafes for invasive human activities on the environment as it is no mere aggregation of exploitative activities spanning from food production along the supply chain down to consumption as it redounds much to human consumption pattern. Middle-of-the-road, while it is well advised to embrace and incorporate best practices (suchlike crop rotation, bush fallowing, manure use instead of synthetic fertilizer, among others) into agricultural portfolio for sustainability, transfer of local knowledge on patents filing to local and indigenous people on genetic resources (which appear to be any proprietary invention suchlike medicinal plants, agricultural crops, or animal breeds, sounds momentous for shared, mutual benefits inclusion, as well as well formed innovation of high prospects to save over 40 million lives by 2050 ensuing. While this stands at the forefront of WIPO's suite of ratified consensus protocols, at the linchpin of this for trade secrets protection is standards disclosure in verifiability, authentication, and traceability of these genetic resources provenance. In sum, exploration of bioenergy sources such as biochar for prolific crop yield, crop diversification to legumes, pulse, fruits, or other drought-tolerant plant species aside from staples like wheat (commonly produced in Central Valley in California), Jasberry rice (produced undue in Thailand), sriracha (pervasively produced in Mexico), each in geographical indication. Significantly this dins into making a foray into dormant species like 'dwarf wheat' as well as 'orphan' crops to fill in the yield gap which follow up

closely in as such least primed varieties as teff, green gram, rapeseed, sorghum, et cetera. Tacked on to the aforestated are tax filings which need to be slapped on high-sugary foods in dieting obesity-prone foods and beverages such as the one enacted in Netherlands, however reinforcing food sovereignty in respective economies embeds in itself prospects in lashings. Above all, in a bid to foster food security, all-side efforts need be made up for critical stakeholders in plugging away all the gap inherent between the current throughput and future outputs, remarrying plans fast forward to a prosperous future for all—and this nowcasting model will help pull the plug over this gap.

With biodiversity forming the biophysical fabric of the communal landscape, whittling down all interventions to design frameworks on biophysical leverage points seems of premium significance. Tacked on to that, with the future inching towards us yet behoves us to design, it sounds momentous veering into retail-focused alternatives, while over the course devolving nonprofits to local settings, taking the aforementioned alongside charity organizations. Topmost of all, this nowcasting model will aid to close the inherent gap inherent between the current throughput and requisite output, all the way up to shaping the world distended in best way it deems fit to be. Superimposing standard best practices over wafer governance mechanisms upheld while tuning to trade-offs cross-sectoral approach in industry falls within the ceiling. The astounding rate at which endangered species specifically pollinators like bees are all-out sleighing off-piste over the rink yet on extinction stretch singles out worst case scenario either to place devall before spiraling out of control or knuckle down for long-term comeuppances. This worst case scenario lets in a sliproad to slack over the expedited carriageway dialling down to rethink playing either risk-neutral or -averse positive-sum by lopping out a slice out of the circuit for emergent strains as potential micro actors. Meanwhile, with the manufacturing being the gold standard of the present process-based model even of the future, significant is atoll of best practices to be parametrized in best order for tepid layers being spun out of stasis, which sequentially rolls up in permaculture, silvopasture, sericulture, bioflocs, viticulture, amidst others. Accordingly the centrality lies in rethinking how fashion is

approached all in its significance, however all-the-rage concern cited over modularity dissecting over the cross-section how only 1% of textiles are recyclable. However, a propitious career is centripetally pitched towards regenerative and circular agriculture as it holds sway for cradle to cradle design, natural capitalism, as well as biomimicry.

Coordination and hermetic monitoring of yield gap, embrace of best data practices in sharing, tracking, and tracing of indigenous knowledge systems, optimization of supply chain, blended financing model adoption, While agriculture and other land use area is acclaimed to play a pivotal role in front load of GHGs to the atmosphere, the bubble position against securing foothold is averted once a new reassessment in deflection to socioecological approach is preemptively drummed up. Capturing how naturally significant areas such as peatlands, marsh as well as wetlands are left degraded, passive hurls aimed at squaring up to the grotesque gremlin as it appears rearing up its jaundiced crest top heaves its spar on coordination of mechanisms amidst microservers—to be liminally simmered and hopped towards activation phase by this nowcasting model advocating global knowledge systems which incorporate geo-fenced pieces from low and middleincome countries (LMICs) as data points. Putative to micro fabrication, these are biocatalysts for bioinformed oxidative processes following pointwise ruts in scouring up modalities to water scarcity especially in restoring desiccated drachms of contents in basins, traversable tributaries, and other water bodies. All these are translatable from slivers of microfunds targeted at independent selfsame will help turbocharge the momentum behind the future with wide spectrum of outputs as it picks in its temporizing pace as an impetus-driven body. Ultimately through institutional-grade winsome quails cheered for these locally led and maximally constrained solutions, odds-on to ensue is multi-ensemble of spin-outs along the cluster node all the way up to prefiguring culmination in upon which gamebirds across varying degrees of overweening capacities do perch.

Outlook & Recommendations

The fork over the road presents a critical moment for Africa to adopt a swatch as a sampling cue signaled to her by cheerleading actors out of her bioclimate. And the expediency of this bears on consensually embracing

a polder model, at cross-sectional integration bowdlerize vestiges in codices as well as all multithreads of gnarled axioms as well as streaks of externalities being tolerance-inverse yet teasing out general construal, yet ultimately giving a wiggle room for variations. Meanwhile, Africa stows away vast array of greenfield areas in cornucopia yet untapped ranging from pervious trade routes to critical elements, with human capital integrally strung along as lie of the land. In view of that, this is a defining moment sniveling over the turnstiles to revise old content strategy, thus pump-priming of critically climate-smart investments through breadbaskets of capital in best order for nexus security across dimensions. Meanwhile, suffice it to say local content as a marathon in the first place requires teamwork and cross-sectoral collaboration, drilling down on best practices to be embraced in due diligence for interoperability and thus fluid accessibility. The cardinality of this is underscored in one sector not eye-washing on another thus priming for utmost engagement of stakeholders dinned in poignant reminder through rafts of key mechanisms and channels. Above all, Africa deserves pat in the back to her credit in looking beyond borders for influx of new markets opportunities, underscoring how it is still unflinchingly committed to regional content advancement across sectors. Nevertheless, it remains how all these actionable steps will parallel much with long-term frameworks marshalled as groundwork to ushering in and thus securing a sustainable future. Without any iota of doubt, African local content holds a lot to offer in fostering energy security in Nigeria, thus underscoring inextricable linkage of the continental local content advancement to national prosperity integrated as part of Nigerian content strategy. In sum, though appearing as if all low-hanging fruits to be cheered and revitalized for frothy markets like Nigeria are already picked, this new vista is poised to feed influx of refreshingly enriching juices along her wilting spines which seem already squeezed and sucked along its value chain. Above all, with microservices-based approach adopted in governance architecture, Africa is poised to emerge as ecosystem with capabilities kept in sync yet enmeshed within overarching themes centred around bleeding-edge technologies like Precision Agriculture, capabilities in Cyberspace, in spectroscopy like magneto-optic fibre, endoscopy like AI, hardware/bio-manufacturing, web3 modules

like IoTs served by microcontrollers and embedded systems, Blockchain netted by ledger and distributed systems, etc., biotechnology, Quantum Computing, sensor networks, 6G Connectivity, protein simulator, and semiconductor, crystallography nodes, fermentation and/or bio fluidics reactor, etc., picturing herself mainstreamed out of margins to centre stage as this matters most to presence in global landscape. In palpable terms, while the above mentioned happen to be fourth wave technologies, for synthesis of their complexity advantage is poised to be realized once spaces of selfsame vectors are pushed beyond their frontiers. To the best of utmost capacity already built in bracing canons formations this thread homespun will help usher in a golden epoch of fifth wave technologies such as light and/or laser sail, ion and/or ramjet fusion machines, bioelectrodes, microbiome editing, ultrathin nanotubes, replicating machines, et cetera all the way up to sixth wave such as in laser porting, memory nanoships, strong force collider, as well as accelerator, all capable of elevating humanity which in broad view quixotically stay within human figment as science fiction concept. More so, the pier out of its beaming potential for brazen futures hinges on crafting solutions which are not only socioecologically holistic but also time-sensitive, -tested, and -honored. Ultimately, piecemeal, rehash over long-term made marshalling plans experimentally stack along in a prefiguring lead-up to securing a more equitable, more prosperous shared future for all, fast forward to the overall order taking its shape as flashpoint. Overall, envisioning the future sounds parametric, however all attempts at forecasting the future by backtesting the rules appear to be limited to merest illusions all which in a neutral stance need be renormalized.

Conclusion

All these efforts shored up ex ante will go a long way to vault Africa atop the pyramid amidst clusters in global exposure ex post. While output is quite in the offing, it is important to gloss over harmonization between aggregators which takes precedence amidst other variables all in untrammelled course to more secure and more prosperous future. Most crucially, in a prefiguring bid to that end it is vital to 'debug' all cluster nodes of distortions across varying layers, while not being remiss to logjams which need be rolled away on the course. The logically inherent procedure to securing purple patch stepwise trickles down to moulting

novelties off the scabrous layer by supplanting the media powerhouses with new mechanisms suitably to reimagine how aggregators are engaged ultimately in restoring confidence over multi-decades in Africa while along the way superimposing these over pre-existing NGOs in their maladjustments. The centrality of this takes its fulcrum on being just future-critical, but pivots to future-imperative, while delivering through these tools on a true cause of limpid vision, safety, and ultimately security on the African continent. In this wobbly landscape Africa gets to reorient herself through her armorial demeanor navigating her mileage towards the North Star all the way to moonshot discovery of shipshape future [1-16].

**Overall, she gets to rewrite the rules ex ante!
God Save Mother Africa!
And God bless Nigeria!**

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