TAKING ON THE MODERN WORLD OF AUTOMATED PROCUREMENT

AND WINNING ARTIFICIAL INTELLIGENCE

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DIGITAL TRANSFORMATION FOR PROCUREMENT MANAGEMENT: AN APPROACH TO SOCIALLY RESPONSIBLE ENTERPRISES

Procurement is essentially every organization's success factor and is what defines the organization's life. Leading technologies today are revolutionizing the way organizations relate and do business, but is within every management's capabilities to use Business Operational System models that can adapt to the new technological framework.

A data driven procurement however, is essential for a sustainable and green supply chain. The digital transformation of every supply chain requires adaptability in mindful ways to create vision and value in every process within the organization, in both big and small ways by transforming and orchestrating their processes digitally to competitively thrive in their future markets.

Management and leaders must give value to data and a meaningful reason to harness the data needed. Articulating the process into their businesses operating systems (BOS) is the task that in consensus should be meaningful, approachable, and coherent with the organizations mission for a sustainable and effective green supply chain across its tiers.

Creating data within the organization is a better way to predict the future success of every business in the AI era. Therefore, management would find within their own interest, and the interest of their suppliers and customers across the supply chain, to redesign their BOS as their first step toward the development of interconnectivity to improve productivity and their business relationship.

Organizations' digital transformation and their interface development must be done in such a way that it preserves the interest and value of their customers and suppliers to facilitate decision making and the transparency of their communication and data information, as it is for both the organization's own success.

For a modern procurement, automation requires to be scalable, and therefore it needs to define the value of their data for their process with goals of effective and responsible supply chain that is infused with ethical Artificial Intelligence.

THE BEST WAY TO PREDICT THE FUTURE IS BY CREATING DATA

Restructuring the BOS requires responsible data architectural models for its use in information technology, for machine learning and the flow of data information. The result is that it empowers management in the effectiveness of the decision-making that could potentially reshape every organization and the world we live in.

The new technological era that we look forward to, would need to augment an organization's productivity for its likelihood into becoming leaders in green supply chain, but also, as thriving social entities in the context of a free market economy, A transparent supply chain that allows the value chain to become effective drivers of a productive green economy.
In this fashion is by the continuous availability of data through transparent interconnectivity that consumer's choice is first, in being one with the natural environment.

It's responsibility of the executive to carefully re-examine how businesses, entrepreneurs and IT leaders unify to create highly collaborative environments that can enhance interconnectivity to allow transparency and increase their sectors productivity.

INTERCONNECTIVITY IS ESSENCIAL FOR SUSTAINABLE SYSTEMS

HUGE STEP FORWARD IN AI

This paper intends to give management a notion in theory of how important is to accelerate the processes of refining, and redefining a data-collection plan for the development of productive Artificial Intelligence (AI), and brings upfront the importance of proper value of data to deploy responsible AI architectures for every industry's procurement, as AI could potentially become the organization's archetype in decision-making for productive work values across every organization and of economic growth in the aftermath.

Underestimating the benefits of AI development, or underestimating its appalling results, has the same effect for analytics. Organizations swiftly make decisions to mitigate "risk" and start building restrictive policies around data development for AI and obscure their road toward their data driven models. Given the warning signs, it is important every organization plays an important role in reshaping their BOS and defining models as simply as for the common good of serving businesses as well as for the final users.

For organizations to become data creators serves the purpose of advancing the organization by becoming self aware of what they are creating in AI. It gives purpose and governance needed to take on the modern procurement that will bring value to a sustainable supply chain, and help the organization succeed in this ever changing technological era.

IMPROVING COMMUNICATION

A LESSON LEARNED DURING CRISIS

A PEER-TO-PEER INTERCONNECTED SYSTEM WILL OPTIMIZE DATA INFORMATION IN REAL TIME.

This explanatory paper was inspired, in part, in the urgent need for improvement in the healthcare supply chain that seeks on its own to create value through lessons learned during the Pandemic in the year 2020. However, it has served our businesses and other industries to envision the utility and usefulness of the data missed during the lockdown. Despite the efforts to connect there were many looser and many lives lost; and now more relevant data is deemed essential to the enterprise, both for crisis preparedness and the connectivity in virtue of a sustainable procurement for a scalable supply chains in essential industries. Most of the organization's transformational needs will rest on top decision makers and world leaders; but there's much to be done at the managerial level of every procurement . Besides reducing risk by adopting the technology that will give them access to data information, managers need to improve communications within and across the organization to allow more ample interpretation and real time valuation in collecting data.

FROM NO DATA TO GOVERNANCE

The effectiveness of the information will depend on the organization's capability to interpret or analyze how useful the data is in terms of accessing the market, and if it is consumer focused to create value. All data is useful, but It seems that to increase chances of entering the market, a faster data capture process is needed, Unfortunately organizations easily forget their responsibility as players in the economy. This paper focuses on the importance of value of data versus monetization and how leading organizations today can make a difference in this sense.

It is greatly up to every management to use their capabilities to adapt and attain their information technology to optimize their processes by creating value to how data is used, for the company's true trustworthiness in their capabilities of becoming friends of the natural environment. Every algorithm is reflective on how it could be applied to improve, not only the internal business process, but every interface used across tiers in benefit of scaling in their digital transformation for the green and automated supply chain.

LOOKING AT OPTIMIZATION DIFFERENTLY

Data requires interpretation to become information. As economies evolve, data is often seen as valuable in monetary terms and seldom capturing or understanding its real value for a sustainable and greener supply chain.

A WINNING ARTIFICIAL INTELLIGENCE

Automation and optimization results in a fluent interconnection of all activities to develop robust Data Ops and increases the chances of improving the future in AI for a greener supply chain.

While contingency has sparked during the Pandemic, and continues to be a need for the preparedness of healthcare and to attain future critical events, this paper embarks into how AI will holistically encompass every aspect of industry's needs for its preparedness for organizations to manage risks. This aspect of risk management is finely expressed in philosophical terms to a different view of organizations in non-competitive collaboration, interconnected to achieve success in its productive role to form the new economic fabric in compliance with nature.

This paper focuses on optimistic changes that lead to progress in the era of digitalization and technological innovation. It focuses less than the appalling consequences in the future of the dynamics of economic adaptation; and regardless, it offers a framework of new solutions lead by businesses and their organizations.

The technological changes, happening holistically in the world, impact every organization regardless of how transformative they may become; after all, every business, individual and organization will be connected for the better or the worst. It is through the general consensus of ideas that organizations can deploy a winning Artificial Intelligence.

Historically, every change in the organizations has a cost of adaptation to the new technologies. This presents a challenge for most organizations today needing new skills and to envision applications and undertake work culture change; Great part of the technological challenges organizations are facing today are in the way of doing things that are no longer necessary but is now the obstacle to data workflow that could otherwise lead to increases in productivity, interconnectivity and effectively solve hurdles of provoking exogenous economies.

This paper explores the profound implication and social responsibility every organization would need to endure to effectively become sustainable.

LEVERAGING DATA FOR A WINNING ARTIFICIAL INTELLIGENCE

Creativity and managerial skills will find opportunity by designing and reshaping their business models to address current problems and to efficiently work toward more productive procurement processes, which is certainly achievable with current scalable technology.

New and unsolved problems require new solutions under new business models of efficiency for more productive data driven procurement.

The first part of this paper unfolds a missing opportunity explained in an amplified analysis and in the areas where most challenging problems can be found in regards to procurement. It might not come as a surprise that many great challenges are within the behavioral patterns of teams in our organizations. Management has new challenges to face, like the organization's culture transformation and new BOS to meet efficiency and productivity.

With recent changes one could observe this missing opportunity in the industry of healthcare, where much attention has been put on patient information monitoring for data monetization, but overlooked in the areas or the sector of other goods and services that are essential, which today are critical in the world in terms of accessibility for surviving in times of crisis.

This paper is inspired in the missed opportunities seen in the extraordinary historical moment, observed during the trade war, the peer-to-peer online interactivity spiked during the Q1 of the pandemic but unfortunately without any 'informationalization' of the transactions in needed products and services in sectors, such as of the healthcare industry. This dynamic specially denotes how access to information affected SME and in theory how poor interconnectivity led to bias information in data, if we may, this manifested too that there is no accessibility in most places around the world.

As the need for a green supply chain becomes omnipresent, quality data is essential for data driven sustainable procurements.
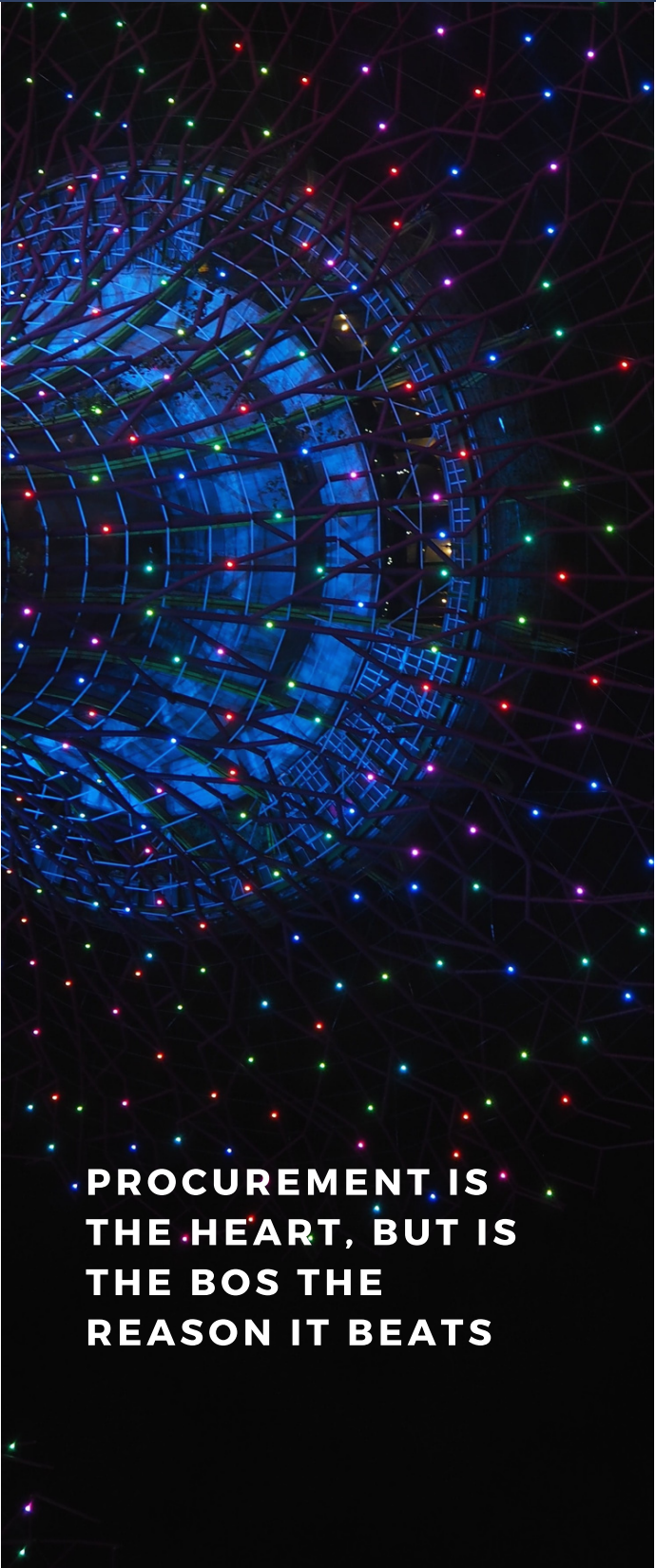
DATA DRIVEN ORGANIZATIONS

Every given transaction in the free market economy could give the managerial world the opportunity to redefine the core values of their business organization for a the data driven industry in the future.

Everything about data should be used for a purpose; this notion will give value and meaning to the data collecting plan for the development of new BOS or Business Operational Systems, and collaboratively work toward promoting more data driven organizations.

Is through connectivity and cross-agency collaboration that management becomes adept in continuously addressing the problems of managing bias-free data information and to mitigate multiple risks.

BOS now needs to become data driven self updated, and management has a new variable to consider and that is how data from cross-agency can affect data information in the operational business cycle. Collecting data and validating its purpose is what is challenging, but connecting to share data in cross-agency collaboration is deemed to modify the way we value data, to improve cycles and create flow in the operations in procurement.

PROCUREMENT IS THE HEART, BUT IS THE BOS THE REASON IT BEATS

REDEFINING DATA

In the case of digitizing procurement processes, transforming operational tasks to shorten the business cycles in every procurement management would allow transparency in the information and in the datasets.

Is through the practice and the direct involvement in the mission and values of data creation that management becomes better prepared to deliver value for business informational architecture, and perhaps one that can eventually reorganize itself through autonomous Data Ops to reconcile the way we trade and procure everything else. But that's just the future. Eventually every organization should and could become a data creator and construct the future that everyone needs. Is not so much about collecting the data, but more about creating it in an ever changing way.

"*By the time your perfect information has been gathered, the world has moved on***"**
Phil Dourado

This paper reasons a very broad view of what our most recent technological revolution could positively bring to every user and to organizations. It purposely covers how developing data driven models for every BOS could manifest changes in our domestic economies and globally;

From this very early stage in AI and ML, and to what it could become in its technological maturity, it is up to the managerial world and leaders in general to redefine the value of data and to understand it doesn't come organically or from the trees, but from the character and most intrinsic self of every user or entity connected for a productive technology today.

This paper has served as a professional explanatory research and aligns ideas in a visionary path toward socially oriented and successful data driven organizations that is changing the fabric of our social and economic life, and most likely to change the course of humanity.

DATA: A NEW PHENOTYPE IN THE ECOSYSTEM

The Blockchain and Artificial Intelligence will be transforming routine operations in every industry. AI along with machine learning, could potentially improve efficiency for the supply chain. But more importantly, every Business Operational System (BOS) could progressively curate the data ecosystem and evaluate the way we trade globally.

The second and third part of this paper explores the human side in how data is harnessed, and also how the "old" behavioral patterns, known as cognitive behavior, leads how risk management has negatively influenced decision-making, and how today it still creates barriers in the efforts toward mindful data monetization.

A large section of the manuscript is dedicated to the ontological and epistemological definition of risk versus fear and trust, and how it relates to decision making and the continuation of biased data.

Data is the phenotype of our human cognitive augmentation. It challenges our capacity to think and how data is used for the human purpose. Finally for the enterprise, is all about their capabilities to create a data driven model to elevate the value of work and labor, to give purpose to the organization's mission that will serve the human purpose; which is to live harmoniously with nature, increase prosperity, wellbeing and happiness.

HUMANIZING DATA

The industry is seeking for new ways of procuring everything, from information to basic goods and services, but organizations in the industry are facing great challenges in trying to make their procurement more efficient. As management plans are about shifting the corporate culture from a subjective set of ruling to a more objective ones. In other words, management would need to break a lot of rules so the organization's data ecosystem could make logic sense for optimal productive AI.

The ideal Data Ops and the data architecture for algorithmic designs need to solve a problem, or at least help solve a problem outside of the organization. But the problem is usually about not having access to relevant information or channels of information to promptly get to market. To make responsible sound decisions and profit from market, management needs data transparency based on true and plain objective information.

The importance of interconnectivity and access to information is paramount to allow creative automated and data driven supply chains to exist in and for a free market economy.

Interconnectivity would help organizations across all industries solve problems with new and creative solutions that by simply connecting could achieve. Every accurate information is just as important to the decision makers, as it is to improving the flow of information that would help small and medium enterprises express data into the ecosystem for accuracy of the data in decision making processes somewhere else.

Is the data that is shared and used and reused that defines every organization. It defines who is in play contributing or polluting, and what is the organization doing with the data. Does it use the data to solve problems or to capitalize. It's a question management should be focusing on when harnessing and managing the data information.

Because most of the data analytics is wasted time trying to hunt for the appropriate data in an ever growing pool of information, this paper explains why that time wasted is an expression of old models trying to fit into the new technology.

The reading should encourage all professionals in every industry, governments and especially management to analyze the challenges in three key objectives and analyses each step with a course of actions toward trusting the process from harnessing data to its use for a productive AI, It gives sense to building responsibly the models for the architecture of AI and to reuse the data into the ecosystem. The entire data process in depth through a mindful process of **data humanization**. Cognition needs data information and data needs interpretation of the information; otherwise data is meaningless without human cognition.

Too much information is like no information at all. Once the organization knows how to use it for the human purpose, then it gains value and purpose.

WHERE WE'RE GOING

Once organizations come forward producing synchronized models of efficiency, and plan efforts to build reliable interfaces, the world could see its way toward a better performing economy, and hopefully the world will be a better place for all.