

VUCA World and Environmental Law

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Abstract--*Volatility, Uncertainty, Complexity, and Ambiguity the acronym VUCA has come to define the digital and current economy as highly unpredictable environment and potentially corrective to incremental focused. The term VUCA was initially given by US WAR College to define circumstances faced by military personnel's .In recent times the notion has come to describe the competitive environment of the digital market (Benett& Lemoine, 2014) in which organization must adapt past structure to match environmental changes (Heugens&landes) (2009).Businesses operate in an environment that is volatile, unpredictable, uncertain, and accelerated. VUCA is fast becoming a catchphrase in the corporate arena and in physical environment, law, and an often-discussed topic for today's adoptive leaders during annual strategy and the rapid rate of change in our business environment are throwing many organization and their leaders pretty much off balance as they are unable to keep pace with the vagaries of VUCA world. This paper is an attempt to understand how VUCA practices can be used in environmental law.*

Keywords--*VUCA, Environmental Law, Business, Environment*

I. VUCA (Volatility, Uncertainty, Complexity, and Ambiguity)

Volatility, Uncertainty, Complexity, and Ambiguity the wordplay VUCA has come to construe the digital and current economy as highly unruly environment and potentially malicious to incremental focused. The term VUCA was first defined by US WAR College to explain that kind of circumstances faced by military leaders during battle or war. In recent times the concept has arrive to describe the competitive environment of the market in which organization must acclimatize past composition to match environmental changes. In a VUCA world, organizations must focus on supportive and collaborative learning rather than informal learning. (Garrow and Varney, 2015).

1.1 Volatility

The challenges are unforeseen or unbalanced and may be of anonymous interval but it is important to understand them trough available knowledge and resources i.e. price of commodities rises after natural calamity. Mack et al. (2015) Approach, build in slack and devote resource to awareness for instance-stockpile inventory or overbuy talent. These ladder are usually expensive your asset should come up with risk i.e. price rise of onion and wheat. Volatility also refers to extensive usually, change having no expected pattern. note severe demands to be faced by organizations those are operating in highly uncertain or dynamic environment which need to restructure for processing the current available information. Conventionally when organizations are operating in stable market they always relied on past experiences, learning and scale but unpredictability apparent in new VUCA environment is motivating organization to engage stable holder. Across external boundaries drawing them into learning and innovation process change (Felin& Powell, 2016). Bennett & Lemione (2014) recommend organization should

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structure towards organizational agility as a countermeasure to volatility to increase. Volatility= unexpected+ sudden event+ inherently unstable. Yam (2016) explained that pace of transformation and the scale of dynamics pragmatic in socio environment systems. In a modern context it could describe strong variability deviation in the environment at both macro and micro level. The speed of these changes is often rapid. To be able to provide a comprehensive account of the cause of volatility would require continuous monitoring on regular intervals.

1.2 Uncertainty

Instead of lack of information the events basic cause and effect are known changes are definite but undefined. Example, The competitors pending product launch muddies the future of the market. Approach, Invest in information collect interpret, and share it. In uncertain environmental cause and effect are unknown and may not occur at all. Uncertainty is solved by organization investing in methods of collecting, interpreting, and sharing of knowledge outside existing networks, data resources and analytic process to gain knowledge from new partner providing new and richer understanding. An dynamic or unpredictable environment occurs when prior experiences or available information was not sufficient to give solutions. There are three conditions which denotes uncertainty in environment those are uncertainty driven by lack of information, uncertainty from too much information and Information variability.

1.3 Complexity

The situation has many interconnected parts and variables some information is Example, You are doing business in many countries all with unique regulatory environment tariffs and cultural values available or nature of it can be overwhelming to process. Approach, reorganize brings on or develop individual and construct resource adequate to address the complexity. Example, Bhopal Gas Tragedy (Hammer, 2018). Cousins (2018) describe that complex environment as a threshold of turmoil characterized by scientific and technical interruption and globalization. Complexity can be defined as complicated set of connections of interrelated parts being prolonged and multiform intricacy is iterations of simple model (Bartscht, 2015). A complicated system can “yield to a statistical description” whereas complex systems cannot be so really defined. Example, when we saw bees with compass and learning of the great communication of food, fear. It also refers to the intricate and extensive environment network structure and dynamic pathway existing between the components of a system (Anand et al., 2010).

1.4 Ambiguity

Informal relationships are absolutely uncertain. No guide exists. You face “Unknown Unknowns”. Example, you decide to move into undeveloped or budding markets or to launch product outside your core competencies. Approach, Experiment understands cause and effect(Kale, 2019).Ambiguity identifies a lack of information of cause and effect where there is no instance on which to support predictions (Cousins, 2018). Ambiguity generally involves novel condition which are usually involves new conditions which are typically characterized by new strategies, product, markets, or technological innovations. Collecting information is really important in uncertain circumstances but the challenge lies in understanding the situation how to assess the available information as it is not evident what information is constructive and valuable(Benett& Lemoine, 2014).

Everything is changing but something is static

Volatility is everywhere but something is persistent,

Uncertainty is everywhere but something is Certain,
Complexity is everywhere but something is involution,
Ambiguity is everywhere but something is clear,
So let be exist in this VUCA world with a new charm and enthusiasm everywhere.

II. VUCA AND ENVIRONMENTAL LAW

VUCA is fast becoming a catchphrase in the corporate arena and in physical environment, law, and an often-discussed topic for today's adoptive leaders during annual strategy and the rapid rate of change in our business environment are throwing many organization and their leaders pretty much off balance as they are unable to keep pace with the vagaries of VUCA world. Doheny, Nagali, & Weig (2012) explained that across many industries a rising tide of volatility, uncertainty, & business complexity is roiling in the market and changing the nature of competition. From being peril brass is an important business priority with substantial resources dedicated to the task worldwide code. In recent ten years period business volatility, uncertainty, and ambiguity has doubled.

Environment being physical or being dynamic form ab initio that if we even try to have control over it in a jerk we cannot; it is a long running process. In 2013 Harish Manwani observe that we are living in a cosmos where volatility and uncertainty have become the New Normal that were synonymous with this product categories just a few years ago are now no longer in existence . We live in VUCA world surrounded by black swans with this unpredictably changing world.

Bird (2018) Dynamics of environment plays vital role, both the physical and environment is changing so seriously that the burden to cope up with changing of environment is becoming tough day by day. Jaswal (1999) Environment is changing with a lot of problems like global warming, biomagnifications, increase in single use plastic, pollution whereas the organizational is changing with the problems of conflicts, competitions, and issues of the environment managerial. Einstein once remarked that the environment means everything in the surrounding. The concept behind searching the VUCA in terms of environmental laws is to show how environment is changing in each and every part of the world and day by day we are making new laws, amending old ones or proposing new aspects this clearly shows the concern worldwide.

If we take example of India, in 42nd Amendment Act passed in 1976 explicitly incorporated environmental protection in to Indian constitution for the first time. This directed their states through article 48A to protect the environment & 51A, a fundamental duty imposed by the constitution to its citizens to conserve environment. In 1960's the UK was suffering from pollution problem and the infamous London smog is still remembered. First pollution control & environment control law was made during the period of 1863 through ALKAKI INSPECTORATE 1863, the UK HAS made progressive environmental policy and laws in late 1980s & in the early 1990s (Shastri, 2015) .This shows how volatility uncertainty complexity and ambiguity has taken the concern of people towards this problem it was recognized in early 19th century , till now we had formulated many laws on country level to worldwide convention & summits monetary protocol , Kyoto protocol etc.

VUCA is mainly famous in business world but when we broaden our perspective we will see that VUCA is everywhere in every aspects of the global to local world .From social to political, from financial to environmental

.we can also see VUCA in environmental law unlike of business and company law that is leading government to make new laws and modify existing with new innovations like ODD-EVEN CONCEPT & GO GREEN & CLEAN with green muffler program. When the needs and the desires of the human start increasing that led to industrialization that led to be the major factor of environmental degradation and pollution .Environment law being volatile there is a dynamic and rapid change in the surrounding from BHOPAL GAS TRAGEDY (1984), MC MEHTA v/s UNION OF INDIA (1987) these two cases change the total scenario of the environmental law and SUPREME COURT of also take some stone steps in this field and ENVIRONMENTAL COURTS were established with new law known as ENVIRONMENT PROTECTION ACT ,1986.

When law saw volatility in environment of India they include right to pollution free environment in fundamental right under articles 21, 48-A, 51-A(g), constitutional obligations of the state and the fundamental duty of all citizens of India to improve the natural environment .It has also been observed by the court that this scheme is based on “ constitutional policy of sustainable development” (Vibhaw, 2016). A survey was held and it was found that most of the cases registered were under Article 32 & article 226 of the Indian constitution . Article 32 is known as right to constitutional remedies for the enforcement of fundamental right. Many acts were passed The Environment protection act 1986, is enforced by Central Pollution Control Board at National level and through different state boards also. The Air (Prevention and Control of pollution Act 198 ,along with Indian Forest Act 1927, Batteries (Management and Handling Rules ,2001) etc . These all show that VUCA is in environmental law also from dynamic to unpredictable, from difficult to change to lack of clarity of understanding, how the things keep on changing and new laws are formulating but there is somewhere some loopholes that we are not recognizing these things (Leelakrishnan,2016).

There are two things that are most important for VUCA vision one of them is Strategy that is very important to have a proper planning before implementing any law or act related to environment because it need a step by step plan for all the implementations from very ground level to top level .What is the use of a house if you have not got a tolerable DVplanet to put it on?(Henry David Thoreau). Another important factor that there must be transparency in the government policies citizens must have the knowledge of all the new as well as existing laws so that it become easy to deal with the situation like in current government had banned the Single use plastic but due to lack of clarity and knowledge general & illiterate citizens are not understanding it . So there must be transparency among the acts of government. We have to increase our think tank level from being local to eco global.

III. CONCLUSION

Environment with a lot of dynamics in itself don't need any explanation, VUCA is in environment and it will be continue to be there at the core of all the laws implementing. In today's world where Urbanization, Industrialization, technological revolution is at peak. India has made a great significance in the protection of environment over the last few years. India has adopted the golden mean of the economic development and environment protection. Various laws and the boards at the both centre and state are working with the Innovation, strategy and clarity. Active enforcements efforts are in some way delayed by the vain legislation ex as of 1981, the Central water board had taken over one hundred polluters to court .A few offenders were prosecuted, but most escaped through loopholes provided in water act. So some strict laws should be made and the offenders must be

strictly and absolutely punished for spoiling of environment in any way. We have to understand the environment in its real essence with effectively and efficiently paying attention towards the Volatility, Uncertainty, Complexity & Ambiguity in environment. Laws are something that we demand is formed and implemented on us so we have to understand the problems at local and act as global.

“THINK GREEN ACT GREEN GO GREEN AND BE READY FOR CHANGE”

REFERENCES

1. Ramakrishna, K. (1984). The emergence of environmental law in the developing countries: A case study of India. *Ecology LQ*, 12, 907.
2. Cousins, B. (2018). Design thinking: Organizational learning in VUCA environments. *Academy of Strategic Management Journal*.
3. Garrow, V., & Varney, S. (2015). Organisation design in a VUCA world. a paper from HR in a disordered world: IES Perspectives on HR.
4. Mack, O., Khare, A., Krämer, A., & Burgartz, T. (Eds.). (2015). *Managing in a VUCA World*. Springer.
5. Bennett, N., & Lemoine, J. (2014). What VUCA really means for you. *Harvard Business Review*, 92(1/2).
6. Hammer, M. (2018). *Management Approach for Resource-Productive Operations: Design of a Time-Based and Analytics-Supported Methodology Grounded in Six Sigma*. Springer.
7. Kale, V. (2019). *Digital Transformation of Enterprise Architecture*. CRC Press.
8. Felin, T., & Powell, T. C. (2016). Designing organizations for dynamic capabilities. *California Management Review*, 58(4), 78-96.
9. Yam, Y. (2016). The influence of macro and micro-environmental factors on the consumption of mobile phones and marketing strategies.
10. Bellard, C., Bertelsmeier, C., Leadley, P., Thuiller, W., & Courchamp, F. (2012). Impacts of climate change on the future of biodiversity. *Ecology letters*, 15(4), 365-377.
11. Bartscht, J. (2015). Why systems must explore the unknown to survive in VUCA environments. *Kybernetes*, 44(2), 253-270.
12. Anand, M., Gonzalez, A., Guichard, F., Kolasa, J., & Parrott, L. (2010). Ecological systems as complex systems: challenges for an emerging science. *Diversity*, 2(3), 395-410.
13. Doheny, M., Nagali, V., & Weig, F. (2012). Agile operations for volatile times. *McKinsey Quarterly*, 3, 126-131.
14. Bird, R. C. (2018). *VUCA and the Legal Environment of Business*. University of Connecticut School of Business Research Paper, (18-09).
15. Leelakrishnan, P. (2016). *Environmental law in India*. LexisNexis.
16. Jaswal, P. S., & Jaswal, N. (1999). *Environmental law: Environment protection, sustainable development and the law*. Allahabad Law Agency.
17. Shastri, S. C. (2018). *Environmental Law*.
18. Vibhaw, N. (2016). *Environmental Law—An Introduction*