

## Synthesis of the Octal Matrix Structure and Use

Over the written history of mankind, human consciousness & relationship with environment has developed through mobility changes, mythical beliefs and cognitive thinking about the past, present time observations to manage foreseeable time and anticipated and unexpected phenomena of the future.

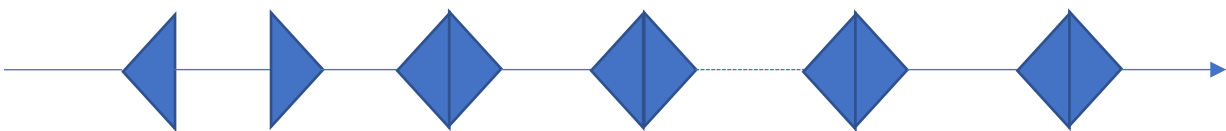
Man, as a part of the nature should apply a similar exchange of information, common positioning and resource sharing processes in continuation of life and management of change mechanisms with physical environment, immaterial provision of existence and in mutual relations with him/herself and the others.

In consciousness, with cognitive processes man parses reality into smaller and manageable entities through descending or ascending hierarchies and forms inter-relationships between them to create a manageable harmony, order and laws of nature values based on evidence, agreements or personal orientation.

In addition to the above premises, the Management of Change process at global level comprises two basic level processes that generate platform for addressing development issue with more exhaustive taxonomy of data in reality management. The first process can be described as 'vertical material process' and the second as 'horizontal knowledge process'.

These two processes facilitate, enable and disable achieving common positioning/consensus between individuals and/or groups of people. The vertical material process consists of three first sub-processes in the attached Octal Matrix, including physics, knowledge and social dialogue. Visually, it is a triangle with longest side on the right (toward future). Other vertical elements are auxiliary ones.

The horizontal process comprises 7 + 1 elements within a shared time span to manage changes resulting in relations, amounts and appreciations of the horizontal three sub-elements. It can be visualized as triangle with longest side on the left (towards the past). It describes what sub-processes are needed to achieve results and provide feedback on things in comparison with the start-situation. This is a potential block chain application in the future.



With the suggested Octal Matrix and its better linkage to reality with use of more exhaustive taxonomies in existing classifications of the world statistical data to generate evidence based "lessons learned" in global development and monitoring the Agenda 2030 for SDGs and other sectoral/regional & country development in materializing the present implementation of global programs and creation of new tool and mechanism for the future management of change.

**Octal Matrix for Management of Change in Global Development as A Tool to Assess the 2030 Agenda for SDGs**

<b>Global Domain as Substance</b>	<b>Perception of Reality</b>	<b>Framework &amp; Vision</b>	<b>Exchange of Information</b>	<b>Common Positioning</b>	<b>Declaration &amp; Commitment</b>	<b>Enforcement &amp; Implementation</b>	<b>Assessment &amp; Feedback</b>
<b>Physical Provision</b>	Gravity and Laws of Physics	Recognizing the Physical Limits	Matching with Laws of Nature	Majority Rule in Common Actions	Categoric Approach	Priority Actions for Life Band	Compliance with the Life Band
<b>Immaterial Provision</b>	Cognitive & Non-Cognitive	Identifying Dynamics of Social Systems	Elimination of Noise Factors	Consensus-Approach to Issues	Coherence, Transparency & Cohesion	Stipulations & Exceptions by Sectors/Regions	Two Objectives Materialization
<b>Transferable Consciousness</b>	Semiotics & Transfer of Culture	Accuracy of Cognitive Sphere	Causes of Gaps & Imparities	Time Span & Content of Historiography	Personal Commitment in Decisions	Learning Curve Effect in Social Cohesion	Man's Place in the Universe
<b>Recognized Life Band</b>	Criteria of Sustainability	Consensus on Rio de Janeiro	Provision of H <sub>2</sub> O in Life	Thermal Zone Privileges	Causes & Consequences	CO <sub>2</sub> quotas for individuals	Renewed Virtues of Modern Life
<b>Ethics &amp; Knowledge</b>	Religious vs Constitutional	Consensus on MDG/SDG	Coherence & Consensus	Ex-post Taxes & Levies	Fund for the Future (0.10)	Altitude- & Distance Levies	Individual Level Feedback
<b>Management of Change</b>	Linear Time, History/Future Concepts	Time Span Extension in Development	Interests at Various Levels	Balance with Two Major Provisions	New Codes from Lessons Learned	Cycle of Change Management	Incentives for Social Life
<b>Man-made Actions</b>	Fast Track &, ST/LT Reality	ICT & other Technologies in Aid	Local Level Priorities	Limitations and Tolerance	Individual Value Choices	Code of Conduct in Visibility	Improved Social Coherence