

AGGREGATION AND DESAGGREGATION OF INFORMATION AS AN ADAPTIVE TASK

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(Received January 19, 2007; In final form January 28, 2008)

Purpose - The paper aims at supporting innovation into Philosophy of Science approach on the humankind long-term task of aggregation and desaggregation of information. This is a systemic task, involving human ideas and ITC by boosting synergy, non-entropy, and ephemeral efficiency properties at multiple echelons. The paper is dedicated to a deeper understanding on the Information Fusion – as part of a dual universal task; into this context the paper proposes a Philosophy of Science approach on *Dempster Sheffer Theory* (DST), *Dezert-Smarandache Theory* (DSmT), *Interactive Modeling* (IM), *Structural-Phenomenological Modeling* (S-PM).

Basic sub-goals: a) Shrinking the gap between the humanist perspective and the technologist one. b) Promoting an equilibrated anthropocentric & technocentric perspective by starting with stimuli from the real world expressed by (old and new) ideas regarding the (re)construction of a World/e-World balance. c) Illustrating a positive e-World response by sketching innovative, synergy-based, interactive models, considering metaphors linked to those ideas.

Design/methodology/approach - A general *framework* is suggested and an instance *model* is presented, that of Interactive Modeling approach. To maximise synergy, to minimise entropy, and to prolong the ephemeral efficiency - all their sources are considered. The approach is based on real-world “stimulus-ideas” (here, the shift from *algorithmic* towards *sub-symbolic* reasoning) and “metaphor-prompted e-world (IT-)responses”.

Findings - A) Regarding the *framework*: a) Based on semantic transfer, metaphors are an encouraging path to get closer humanists and technologists, i.e., real world and e-world. b) Corollary: heavily metaphor-based research domains – as artificial life and intelligence – are valuable interdisciplinary “[John von Neumann & Nicholas Georgescu Roegen & John K. Galbraith, and Mihailo Mesarovic & Herbert Simon]’s niches”. c) Even if the approach proposed does not ensure, transdisciplinarity, it provides a workable framework and pays tribute to “systems thinking”. B) Regarding the *model*: the 2005 research stage of DSmT is described in (Smarandache, and Dezert, 2005); while this paper type of approach in (Bulz, 2005) – but, here, co-referring DST, DSmT, IM, S-PM..

Research limitations/implications - Since no undertaking – particularly when it involves a rather general framework – can be commented upon in an apodictic manner after its first application, the assertions stated above have a variable degree of plausibility and should be amended after more applications.

Keywords: (e-)World, Metaphor, Human-machine systems, Synergy, Non-entropy, Ephemeral efficiency

1. INTRODUCTION

The humankind structures and functionality were and are necessary and sufficient for the long term becoming. The humankind becoming seen as {survival, progress and/or way to collapse} means *to aggregate* data on events and data on our reflection onto progress, stationarity and decline. The result is the humankind outlook, as a synthetic, well accepted and easy to transfer – as a debate subject

between human communities. It is contemporary accepted as the –so called- postmodern outlook. This outlook is, then, the source to supply the inverse flow *to desaggregate* it for the normal human passing and living of the next stage data on events and data on our reflection; to aggregate them, and, then to desaggregate them. This repeated “them” means that to (des)aggregate is a normal humankind task, into an implicit and intrinsic flow. The basic postmodern expression is to deconstruct – and to reconstruct the same “them”.

So, there is the affirmation regarding the understanding and explanation onto the originality of *Dezert-Smarandache Theory* (DSmT) of plausible, paradoxist, uncertain, and imprecise reasoning for information fusion within a larger perspective consisting of two proximal approaches.

The two proximal Philosophy of Science approaches on related theories, considered into this paper, are:

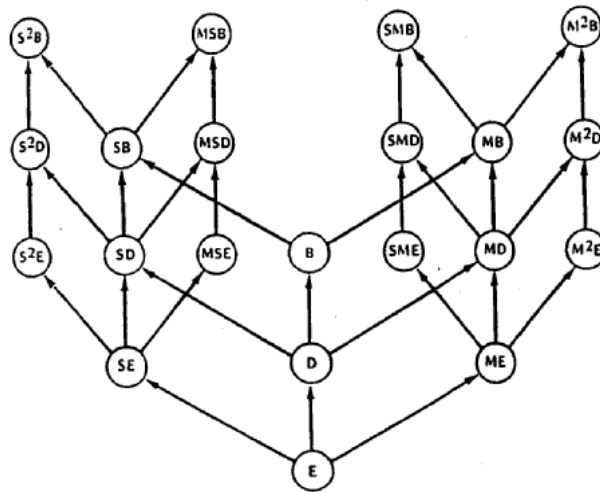
- **George J. Klir** - *The Role of Methodological Principles of Uncertainty in Economics*, State University of New York, New York, 1990.
- **Patrick Suppe** – *Probabilistic Metaphysics*, Basil Blackwell Publisher, Oxford, 1984.

2. CONSEQUENCES FROM GEORGE J. KLIR’S APPROACH ONTO (DES)AGGREGATE DATA

Here, it is to present synthetic these two valuable and connected contributions. George J. Klir proposed to wider concepts as: **thinghood** and **systemhood** (inspired by a work from **Robert Rosen**: *Some comments on systems and systems theory*, 1986). Thinghood means a world of individual attributes and their real, on-line entities. Systemhood means a world of general attributes and their real or ideal, on-line or off-line entities.

Across a general human thinking history, all these belong to a new step into the post-Aristotle’s debate on “being” and “essence” [in Latin: “ens” and “essentiae”; in German: “das Seiende” and “das Wesen”].

These two worlds, thinghood and systemhood, must be linked to survive as distinct. The necessary and sufficient linkage is to (des)aggregate data, as a normal humankind task, into an implicit and intrinsic flow.



Into the next, the denomination of the “thinghood” world is replaced by “**individualhood**” world. Minding, reasoning and thinking on all these, George J. Klir had attained an **epistemological**

hierarchy of types of systems. This hierarchy contains: a lower type of E-experimental frame or source system; a middle type of D-data system; a higher type of B-behavior system. If one of these systems (of these types) have common variables with other systems and/or interact in an other way, then both or more are considered sub-systems of a SE, SD, SB-structure systems based on source, data, and behavior systems, respectively; S2E, S2D, S2B-second order structure systems of the three types, a.s.o.

If one of these systems (of the E, D, B types) is a variety (in time, space, etc.) from a class of systems of any type, and the respective variety is described by a replacing procedure, and this procedure is invariant into that supportive background (time, space, etc.), then that one system, as variety, or more are considered sub-systems of a metasystem ME, MD, MB-metasystems based on source, data, and behavior systems, respectively; M2E, M2D, M2B-second order metasystems of the three types, a.s.o. It is, then, possible to identify SME, SMD, SMB-structure systems based on metasystems of the types source, data, and behavior systems; and to identify MSE, MSD, MSB-metasystems based on structure systems of the types source, data, and behavior systems.

CONSEQUENCE 1: It is strictly necessary to mind, reason and think to **the flow of (des)aggregate data into both individualhood and systemhood.** This is the **direct consequence of the George J. Klir's epistemological hierarchy of types of systems.**

More, maybe minding, reasoning and thinking to the variety of measures into both individualhood and systemhood, George J. Klir represents the inclusion relationship among the main classes of I: Fuzzy, Dempster-Shafer (EvidenceTheory); II: Probability, II.1. Belief, II.2. Plausibility; III.1 Necessity, III.2. Possibility; IV.1. Crisp Necessity, IV.1. Crisp Possibility.

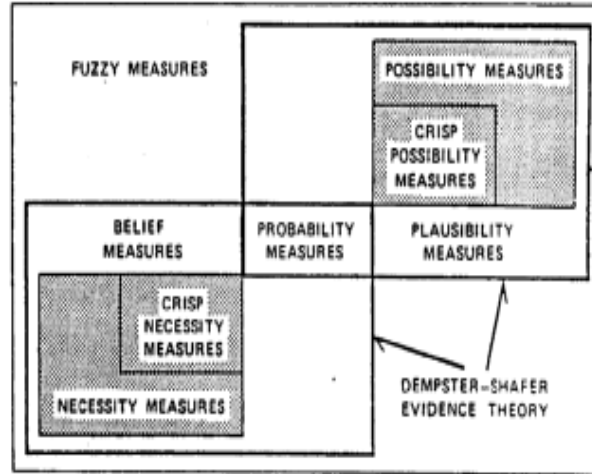
CONSEQUENCE 2: **George J. Klir's inclusion relationship among the main classes of measures is one of the proximate Philosophy of Science approach to DSMT** of plausible, paradoxist, uncertain, and imprecise reasoning for information fusion. Evidently, everybody may identify the temporal "in advance" genesis of George J. Klir's inclusion relationship, comparing with the post Dempster-Shafer (EvidenceTheory), as DSMT is.

3. CONSEQUENCE FROM PATRICK SUPPE'S APPROACH ONTO (DES)AGGREGATE DATA INWARD THE CONCEPTUAL CONTEXT OF INTENTIONAL PROBABILITY

There is the possibility to quote only some paragraphs and parts of paragraphs from *Probabilistic Metaphysics* – but to maintain the way to attain the basic ideas related to DSMT:

"There is an other face of intention and probability, which can not be easy included in an expected utility model. It is to say on the intentional usage of randomize processes. The two places where a theory of this type is better developed are "*Game Theory*" and "*Sample Theory*". In a lot of games with incomplete information, i.e. when a player must to move without to know completely the moves of the other players, it is possible to show that an optimal strategy is a probabilistic strategy. This type of result follows from the famous minimax theorem of **von Neumann** (see von Neumann and Morgenstern, 1947/1953). To sustain the central conceptual aspect, it is not need to count, here, on the explicit form of the theorem or on the specific considerations on the calculation methods of an optimal probabilistic strategy. Into a competitive background, where we compete with an other intelligent agent, we can assure the best possible result into the sense of minimizing of our maximal expected lost through the randomization and, so, making our behavior unpredictable at the explicit choice level.

It is difficult for a bayessian to accept this sort of results. For a pure bayessian one there is an optimal deterministic strategy, in any situation, which will maximize the expected utility or will minimize the expected lost. The weakness of the bayessian position resides that probability repartition which expresses the beliefs regarding the expected choice of the opponent often represents a very



futile idea about what the opponent would do. Into this sort of situations, the prudence must, on a right basis, to prevail to purity, being indicated to adopt a minimax probabilistic strategy. ...”

“A second argument is that the randomization offers into non-theoretical contexts a probabilistic model, into whose terms, the calculus may be done, but no calculus may be done into the absence of this model. The most familiar example is that of randomization to attain a statistical adequate model for statistical tests of significance. ... In a word, intentional randomization is not a panacea, but is – from shown reasons- an important methodology.”

“Into the frame of the “*Statistical theory of decision*”, there were made studies for the optimal decision making, into limited memory conditions, but the problem of attention generates other topics, in a sense more subtle. I had not seen any explicit normative analysis, especially onto the “on-line” selective mechanisms operating in real time, with a high speed of decision, and of its evaluation. ... What it is worth to be kept is the underlining onto the major dependence of our conception of optimal behavior onto subtle empirical constrains. ...”

“A positive aspect is the possibility to cross from pure intuitive judgments to usage of structural models which provide methods for aggregation of intuitive judgments.”

CONSEQUENCE 3: It is important to mind, reason and think to **the flow of (des)aggregate data into the conceptual context of intentional probability, into both individualhood and systemhood. Patrick Suppe’s “inclusion relationship” among the main classes of descriptive and normative decision making; beyond probabilistic context (denominated as “subtle”); within methods for aggregation of intuitive judgments; within difference between evidential calculus and evidential method genesis – are proximate Philosophy of Science approaches to DSMT of plausible, paradoxist, uncertain, and imprecise reasoning for information fusion. Evidently, everybody may identify the temporal “in advance” genesis of Patrick Suppe’s “inclusion relationship”, comparing with the post von Neumann (Decision onto Game Theory), as DSMT is.**

It means, from a Philosophy of Science approach, onto the humankind long term task of aggregation and desaggregation of information, after the revealing of those two proximal Philosophy of Science approaches on related theories, to try to prolong those two epistemic efforts to actual polymorphic context: *Dempster Sheffer Theory* (DST), *Dezert-Smarandache Theory* (DSMT), *Interactive Modeling* (IM), *Structural-Phenomenological Modeling* (S-PM).

CONSEQUENCE 4: In order to sustain a Philosophy of Science new approaches to DSMT, all the above three consequences need some specific **frames**. To mark them as 3; 4; and 5:

- * 3. The frame of the (in)comprehension regarding the **community** (des)aggregated data, as a normal humankind task, into an implicit and intrinsic flow, regarding the community both as individualhood and systemhood.
- * 4. The frame of the (in)comprehension regarding the **mixed system** (with both **technical and human resources**) (des)aggregated data, into an implicit and intrinsic flow.
- * 5. The frame of the (in)comprehension regarding the **human being** (des)aggregated data, as a normal humankind task, regarding human both as individualhood and systemhood.

These three frames must present *findings*; let be:

- * 3. The frame of the (in)comprehension regarding the **community** (des)aggregated data may be the finding of *objective information genesis*.
- * 4. The frame of the (in)comprehension regarding the **mixed system** (des)aggregated data may be the finding of *systemic and non-systemic entities*.
- * 5. The frame of the (in)comprehension regarding the **human being** (des)aggregated data may be the finding of *Interactive Modeling*.

These three *frames & findings* must be firstly synthetically presented; may be:

- * 3. The *objective information genesis* inward and beyond a **community** means **to ACT**, (quasi) according to **John K. Galbraith's** consistency postulate (*The Good Society / The Humane Agenda*, 1996), but expanded at three levels; sequential and circular, versus **Mihailo Mesarovic's** co-ordination principle (*An interactive decision stratum for the multilevel world model*, 1973):
 - 3.A. The intentional genesis and tensional becoming of combinatorial events [**to combine**];
 - 3.B. The structural and functional concordance within and between individualhood and systemhood [**to concord**];
 - 3.C. The (re)adaptation regarding both the above A and B levels [**to conduct**].
- * 4. The *co-existence and reciprocal becoming of systemic and non-systemic entities* means **to DO**, (quasi) according to **Herbert Simon's** satisfaction beyond optimality postulate (*Administrative Behaviour*, 1957) but inter-expanded at two levels: *decisional level* and *labour level* – with an *informational* interface, as a middle *level*; simultaneous and circular; regarding the **mixed system** (with both **technical** and **human resources**, (des)aggregated in **teams; Human-machine systems**):
 - 4.A. The bottom-up flow of information aggregation – from labour level, through informational level, to decisional level;
 - 4.B. The top-down flow of decisional informational desaggregation – from decisional level, through informational level, to labour level;
 - 4.C. The round robin flow of informational (des)aggregation into, through and by a non-systemic entity: **Responsibility Zone** (conflicting between evolution dream and security status);
 - 4.D. The unknown flow of informational (des)aggregation into, through and by a non-systemic entity: **Profound Zone**.
- * 5. The frame of **to BE** and **to HAVE** (re)defining the **human being**, within (des)aggregated data. The proposed cognitive space is proceeded through **DST**, **DSmT**, **Interactive Modeling**, and **other types of modeling** using two dimensions:
 - 5.A. To BE, as a generalized probabilistic tension, responsible onto existential stanza of the human being as Rational Subject, as entity generating co-existence with other entities.

- John von Neumann's** hypothesis on technological model of growth is a smart insight on human existence (*A Model of General Economic Equilibrium*, 1935/1946).
- 5.B. To HAVE, as a generalized fuzzification tension, responsible onto belonging stanza of the human being as Rational Subject, as entity belonging to other entities. **Nicholas Georgescu Roegen's** decollation principle is a smart insight on human belonging (*Entropy Law and Economic Process*, 1979).
- 5.C. The subtleness genesis and prevalence – at the cross-border of probabilistic tension & fuzzification tension, more indebted to the variety of systemic thinking, and (des)aggregating nouns and verbs according to an innate / obtained deep frame: linguistic competence and performances . The possibility of sublimation into wisdom is the emergence of the subtleness.

According to our innate / obtained linguistic skill, there is the possibility to shorten the presentation, here, of all these frames and findings:

To ACT (to combine; to concord; to command) = objective information genesis inward and beyond a *community*;
To DO X [MUST * CAN * WILL] = co-existence and reciprocal becoming of systemic and non-systemic entities through *mixed system* as *Human-machine systems / subjective information genesis* inward and beyond a *community*;
To BE & to HAVE & to prevail in subtleness (on a background of probabilistic and fuzziness features) = human being (des)aggregating data; supporting DST, DSMT, and Interactive Modeling.

All the tree entities: community, mixed system, and human being present common properties: **circularity** and **rhythm**, in different degrees, and depending on context. The next paragraphs refer the *circularity* as *Magellanity*; and *rhythm* as *Möbiusity*.

Circularity and rhythm are usual linguistic expression for these natural and mixed resources based properties. Magellanity property and Möbiusity property are the proper expressions into the next paragraph, 4, to qualify the context of (des)aggregated data. It is expected to be qualifying as a (re)adapted context.

Using the above detailed markers: 4 and 5, the next two paragraphs are dedicated to the respective frames and findings, but contain cross-references between these frames and findings, too.

4. A CHALLENGE TOWARD A PROPER ORDERING OF SOME SYSTEMIC FRAMES

If it is accepted that the existence of our world is represented by a set of real entities and by a set of concept entities, then a rational subject delimitates the observable from the non-observable real and the theoretic concepts from the non-theoretic concepts.

Only not instant clear connections are possible between the four delimited parts enumerated above. The fuzziness of this possibility is proper to each action of humankind toward micro and toward macrocosmos domain (and proper nearly to each rational subject). However, the following Potential World-Mind Reservoir (shortly, {**World-Mind**}) relation (as a type of representation) is to be accepted as a background to the intended ordering of some proper systemic frames, till coherent notions:

non-observable real <=> mental concepts
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observable real <=> mental constructs <=> non-theoretic concepts <=>
<=> theoretic concepts <=> notions {World-Mind} .

The mental construct is the "word peak" of at least one mental concept; a mental concept is an innate and / or actively obtained within a structural-phenomenological mind entity; the notion is at least one "word peak" of the balance between the non-theoretic concepts and theoretic concepts.

4.1. Magellanity

All the above sub-sections contain exercises for {World-Mind} traveling. Traveling through (World-Mind), a rational subject fulfills a very particular task (e.g. What about personal qualification?) or a more sophisticated one (e.g. What about a general system?) The {World-Mind} context must reveal an indicatorial property - "easy" to be verified conceptually at least).

If there is an equipoise, e.g. an equilibrated square, or linear shape of non-observable real, observable real, mental concepts, and mental constructs, and if rational subject is from the first time convinced upon this (relative to a clear questioned domain), then rational subject reaches the Magellanity proper to its {World-Mind} travel. This property denomination is connected to [Fernão de Magalhães (1480-1521)] Magellan's 1521 travel (finished by a part of his crew – and not by himself, who died in Philippines before the complete of the journey), the first time when the definitive conviction upon Earth's spherical shape was reached.

Magellanity property, is presented here to deepness the circularity (natural) property of an entity. So, the Magellanity property (shortly (M*)) consists of:

There is non-observable real \Leftrightarrow notions connection inside {World-Mind} (M*).

4.2. Möbiusity

Möbius property is presented here to deepness the rhythm (natural) property of an entity. The name of the property is connected with the Rational Subject surprise, when s/he sees and then minding, reasoning and thinking on the unrevealed, yet, properties of the {World-Mind}. Meantime, the Rational Subject is indebted to the first human being, or complex, to discover and/or to invent inward a context. Then, the Rational Subject is indebted to have doubts, to verify, to use, and to develop and/or to renounce at the respective discovery/invention.

The nomination of the property takes appeal at the works of **August Ferdinand Möbius** (1790-1868), German mathematician and astronomer. In Topology he is the discoverer of a surface with a single face (Möbius band).

Into this context to accept, into {World-Mind}, the existence of a probability, possibility, or a subtle indicator to express the **extension of a connection** from observable real through discovery/invention, surprising/doubting, verifying, using, developing/renouncing.

To mark it as: (Mö).

There is observable real \Leftrightarrow notions extension of a connection inside {World-Mind} (Mö).

CONSEQUENCE 5: The co-existence of circularity and rhythm properties into a natural/mixed entity, and Magellanity property and Möbiusity property into {World-Mind} (and not to be impossible into natural/mixed entities), means a complexification on (des)aggregation data in natural/mixed entities and/or {World-Mind}.

4.3. Human-machine interface and (des)aggregation of neural and social tasks: variety and invariance duality

One of the contemporary dilemmas is the elicited reconstruction of alternative strategies: does exist a "Technology-Economy-Ecology" balance, sustained by the e-World, and a low balance within a hypothetical (today) world without e-Concepts and e-Activities?

The complexity of the governance, the complexity of representing and solving the local and global problems, regarding the globalization / regionalization, seems to be dependent on the open / closed appearance of the alternatives background. It is not a crisp appearance; it is a fuzzy and adaptive one [II.], [X.]. Would a brilliant synthesis provide “inner solutions” toward the governance problems representing and solving? The contemporary research must be more engaged. More, this is the case for the European transitional countries.

5. INTERACTIVE MODELING - A TYPE OF REFLECTION ONTO, INTO AND BY SOCIETY

Interactive Modeling consists in a generalized track of returning from analysis to synthesis, and backward – in order to attain the new contemporary insight regarding the valuable interdisciplinary “[John von Neumann & Nicholas Georgescu Roegen & John K. Galbraith, and Mihailo Mesarovic & Herbert Simon]’s niches”.

Into a first step, these niches [into the complexity of our world(s)] seem very different. Let be the next table to refocus all these, regarding **mindng, reasoning, thinking onto our world(s)**:

Table 1: *Tabular form of our World(s):*

The gifts from the (Saint) Nature to the human being	differentiated MENTAL GIFTS / human being’s TEMPORAL FOCALIZATION	<i>Assumed Responsibility onto PRESENT niche</i>	<i>Assumed Meta Responsibility onto FUTURE niche</i>
	The thought of INFINITE	Living into the contemporary niche	Thinking for the next stage niche
	The thought of STRUCTURE	Working for the contemporary niche	Passing again through the whole reality

Table 2: *Tabular form of the World of Science and its Individualhood:*

Mental Focalization / proper research domain	<i>Assumed Responsibility</i>	<i>Assumed Meta Responsibility</i>
Analytic Mind	GEOMODERNITY vs. Interdisciplinarity	TRANSDICIPLINARITY vs. Transhumanist Manifesto
Algebraic Mind	FUZZIFICARE vs. Co-disciplinarity	STRUCTURAL-FENOMENOLOGY vs. Integrative Science

What is *necessary and sufficient* onto a (virtual) processor from an Anticipatory / Incursion (computing) system? The following three conjectures are constructed so:

CONJECTURE 1. A *sufficient frame* is the aggregation of the elements of the set { BELIEF; UNDERSTANDING; EXPLANATION; PRAXIS }, onto the ansamblage of the represented / solved problems.

Into the Internet context, to propose to constitute a **new structure**: to denominate it “**Internetron**”. Any “process_products, within our world(s) (*World of Systemhood and Individualhood*), would contains, at least, a link between the entities to gather into an Internetron. *The sufficient threshold for an Internetron is to achieve the cognitive resources and to perform the anticipation, within its context* [IV.].

CONJECTURE 2. A *necessary frame* is the aggregation of the elements of the set { BELIEF-DESIRE-EMOTION (B-D-E); PRAXIS }, onto the ansamblage as a whole, and to each represented / solved problem.

Into the Internet context, to propose to constitute a **new structure**: to denominate it “**Internetron into the contemporary space-time for our cybernetic becoming**”, or shorter “**Planetron**”.

The necessary threshold for a Planetron is to achieve the cognitive resources and to perform the incursion, within its context [IV.].

CONJECTURE 3. A *necessary and sufficient frame* is the aggregation of the elements of the set { *human awareness; human insight; social action (human-machine) (A-I-A)* }.

Toward the implementation of this *necessary and sufficient frame* it is to put in evidence the *construct of Qualia* [III.], [VI.]. So, an Anticipatory / Incursive Neural Network: as a Dual Comprehension Flow onto Variety and Invariance would anticipatory “to implode” by our perceptibility (awareness), anterior to our emergence – but supposing it, and “to explode” within an uniformization of our states, across our innovative status, beside our emergence – and firmly constructing it – it would be our Qualia (an natural gift within, by, and inward our Cosmos, here and now – at least for us).

DEFINITION 1. Our individual Qualia is our cultural trace, but the social Qualia (may be only societal Qualia) is the aggregation of the entire set{ BELIEF; UNDERSTANDING; EXPLANATION; PRAXIS } through the *linear flow {humankind awareness; human insight; social action}*.

This linear flow “make pieces” (through the fragmentation and co-planarization within Table 1) **human circular ring: {information1-decision-action-information2}**. The construct of **Qualia** introduces / represents the **locus (“without states”) of implosion of the entries and explosion of the outputs of the initial conceptual network.**

To associate for the structure presented by Definition 1 the denomination of “liniarized Internetron” or shorter “Sociotron”

Table 3

(e-)WORLD as a (hypothetical) real / model / ideal system comprehension after / beyond / in accordance to <i>PLATO</i>		dimension of “belonging” to the (e-)Worlds; connections to:		
		<i>human awareness</i>	<i>human insight</i>	<i>social action (human-machine)</i>
Dimension of “existence” within the (e-)Worlds; Connections to:	<i>Human Awareness</i>	<i>REACTION (ex. Judiciary)</i>	<i>to understand</i>	TO HAVE
	<i>Human Insight</i>	to „pass” again	QUALIA	to explain
	<i>Social Action (human-machine)</i>	TO BE	<i>to „live” again</i>	<i>ACTION (ex. industrial-financial)</i>

The sufficient and necessary threshold for a Sociotron is to achieve the cognitive resources and to perform the anticipation and incursion, within its context [IV.].

6. (NON-)SYSTEMIC MENTAL CONSTRUCTS AND THEIR CORRESPONDING SOURCES

After the paragraphs 4-5 string, let be a point of inflexion toward the mental construct “system”. Let be an exclusively triadic-itemization as a bibliographic base for this mental construct "system". It is an evident constrain according at least to Bertalanffy's idea of "General System Theory", which was influential and was brought as an open base for the long term and impressive diversity of the Cybernetics and System Theory. This construction is an operative cognitive one, regarding a specific re-focalization upon the World of Systemhood and Individualhood. But this is the proposed, here, context for acquaintance with non-systemic concepts.

So, for this level of approach, the triadic-itemization consists of:

Buckminster R. Fuller - Utopia or oblivion: the prospects for humanity (U) [IV.];

K.D.Bailey - *System and conflict: to a symbiotic reconciliation; conflict-consensus (C-C)* [I.];
F.Parra-Luna - *System as a conceptual bridge between the social organizations and organizational efficiency (P-L)* [VIII].

The adequate interference between these three works, and *systemic and philosophic researches* have elicited the following **remarks** and **propositions**:

REMARK 1. Human made artifacts, and social domains refer to Rational Subject, but inside the natural domain, the deepness of ["our"] Cosmos inside the Universe (see. Axiom 1). The Universe may contain "other rational subject" as **matter endowed with its own**. So, the World of Systemhood and Individualhood would have another expansion.

REMARK 2. No Rational Subject can surpass:

- Omnidirectional falling into infinite and/or paradoxes of the parametrical set of desirable sensitive observations;
- Drama of operative thresholds and limitations for any ideal (re)conceptualization;
- Falling into emptiness of any artificial generated-generator reservoirs - as closed loop;
- Unperceived (re)becoming of life from an infinite absorbent heterogeneity.

All these (and other) are the lexical "sad" expression(s) of (**Mö**). Confronted with all these limitations, any rational subject may develop a systemic and non-systemic dual frame for self-guidance inside the deep Reality. This means:

- (M^*) & (**Mö**) inside a bordered finite domain of some desirable sensitive observations;
- (U) & (\emptyset) according to a continuous cyclic reconceptualization, inside an epistemic context;
- ($P-L$) according with a set of: artifacts, social limited zones, researches focused upon a small or medium scaled area;
- "expanding" concept of Spirituality from the World of Systemhood and Individualhood. *A deeper duality exists inside the context described through the Remark 3 (next step, down).*

PROPOSITION 1. If the realizations of the World of Systemhood and Individualhood entities are [(M^*) accordingly] convergent to the "whole" Reality, then the duality existing inside the Remark 3, and (U^{**}) are trend(s) toward:

- (1.1.) systemic non-consistence (contradiction) but completeness for each domain as: finite / operative / specific set / particular realization of the "expanding" concept of Spirituality;
- (1.2.) non-systemic consistence and completeness for each of the above mentioned domains (non emerging from an equivalent Gödel theorem frame);
- (1.3.) existent systemic fuzzy consistence and completeness for each domain (emerging from a non-equivalent Gödel theorem frame and Arrow theorem frame);
- (1.4.) non-systemic consistence and completeness for each domain (also emerging from a non-equivalent **Gödel theorem frame, and Arrow theorem frame, and impossibility indicator aggregation frame - G. Păun, 1982**) [I.].

The Proposition 1 must firmly demonstrate (and then must help us with a non-common evident but expected Magellanic sense) that systemic and non-systemic entities are strongly related to our observation, reflection (of reflection), ideal of efficiency. Also, Proposition 1 explains the making of our understanding: that systemic tension is related to the General System idea as a reconstruction. Also and also, there are more arguments to sustain that both our systemic tension and ourselves (the finite [?] set of Rational Subjects; living support anticipatory and incursive systems) are a general property of the matter.

PROPOSITION 2. According to Proposition 1, Table 1 *Tabular form of our World(s) may revised as representing:*

Table 4

The gifts from the (Saint) Nature to the human being	Differentiated MENTAL GIFTS / Human being's TEMPORAL FOCALIZATION	Assumed Responsibility onto PRESENT niche	Assumed Meta_Responsibility onto FUTURE niche
	The thought of INFINITE	Living into contemporary niche 10.1. Dempster Sheffer Theory To ACT John K. Galbraith's and Mihailo Mesarovic's niche	Thinking for the next stage niche 10.2. Dezert Smarandache Theory To BE John von Neumann's niche
	The thought of STRUCTURE	Working for the contemporary niche 10.3. Interactive Modeling To DO Herbert Simon's niche	Passing again through the whole reality 10.4. (May be) Structural-Phenomenological Modeling To HAVE Nicholas Georgescu Roegen's niche

REMARK 3. Regarding the originality of DSmT, aside DST, it may be assessed that its connected intellectual neighbors are:

- Non-systemic consistence and completeness for each of the following domains: finite / operative / specific set / particular realization of the "expanding" concept of Spirituality (but non emerging from an equivalent Gödel theorem frame);
- To BE / Human being thinking for the next stage niche;
- John von Neumann's niche.
- A next stage possible "conceptual aggregated" contribution within **Interactive Modeling** and/or **Structural-Phenomenological Modeling**.

REMARK 4. According to Proposition 1 and 2, the (des)aggregation of data, through its variety, may be a hidden humankind search, stepped by discoveries/inventions, in order to try to give a response to the differentiated mental gifts, within different temporal focalization. This may be a generalized human (re)adaptation – within the following framing of our humankind (including Human-Machine) complexity:

Table 5

Four approaches to the humankind complexity	Numeric Frame	Symbolic Frame
Non-Structural Information (and Knowledge)	NEURAL SYSTEMS (and possible new types of creative co-ordination networks)	THE MOST DIFFICULT SYSTEM(S) TO BE APPROACHED
Crisp Structural Information (and Knowledge)	PROBABILISTIC AND FUZZY SYSTEMS (and possible new types of creative co-ordination networks onto self-organizing systems – referring humankind and human-machine <i>subtleness</i>)	EXPERT SYSTEMS (and possible new types of self-organizing systems)

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- Innovation Systems and Nanotechnology, **Dana NICOLAU**;
- High Skill Ecosystems and New Technologies, **Dana NICOLAU**;
- Reducing the Stochastic Problems Complexity by Logos, Marcel Dragos STOICA, Elena DOVAL, Gheorghe RUXANDA;
- Cybernetic Interpretation of Feelings Evolution, Marcel Dragos STOICA, Ion IONITA,***
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