

Guide to the 4th Era of Knowledge Management (KM driven new era of Science)

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Knowledge Management framework model is subject matter with highest complexity in science...(Md Santo, 2013)

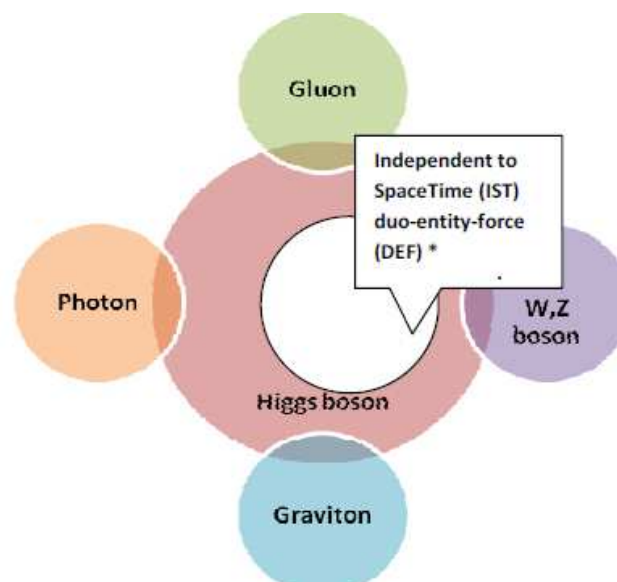
- To get introduced to the new 4th Era of Knowledge Management go first to :
 1. "**Considerations of the 4th era of Knowledge Management**" - <http://ow.ly/QQldb> with main ref "**The Current and the Next (4th era) Knowledge Management trend**" - <http://ow.ly/PRDHC>
 2. The Conditions : "**The next 4th era of Knowledge Management comes more naturally**" - <https://lnkd.in/eqPTcTR>

Background Information :

- Considering that contrary with Data (D) and Information (I), Knowledge (K) by any mean is an actionable variable attributed by consciousness factor, therefore **Knowledge Management (KM) understanding by the best way should come in justification within reach of Cognitive science, Neuroscience and Psychology study** as well. In brief, Cognitive science focusing structure in the mind and its computational procedures. Neuro science focusing on neural substrate of mental processes. Psychology focusing on mental functions and behaviors. Such representation as just mentioned could be implemented only through **Human System Biology-based Knowledge Management (HSB_KM)** framework model
- Later on our definition of Knowledge rooted from the following solid postulates, firstly saying "**We are Knowledge Management (KM) regulated by Nature (Natural World), and by nature (character) we are KM model**" and secondly "**The Universe or the Nature Knowledge is the source and center of Consciousness**" instead of "**Mind brain or Human being is the source and center of Consciousness**"

- By giving broadened meaning to Knowledge as the implication of the postulates above mentioned and within beyond DIKW continuum as well as driven with trans disciplinary approach of work and study, we did reversed engineering applied to HSB_KM framework model toward (sub) quantum level of Physics and came up with living reality of 4th era of KM that consciousness could encounter physics scientifically and explained not as metaphysics issue or pseudo science anymore.
- Such phenomenon that all creatures (for instance each electron knowing their function through their consciousness to encircling the nucleus of the atom) in nature having consciousness as the attribute of their knowledge, in Bahasa Indonesia we called it as "bertasbih to Nature". Within our newly discovered basic science, Nature Knowledge Theory (NKT), we developed Knowledge Value (KV) as cosmological metrics beginning from $KV = 10^{-37}$ CEF (as Planck constant) where CEF stands for Consciousness Element Factor as measurement variable unit applied to DEF within Sub Quantum Mechanics (SQM) domain as basic building block elementary unit of universe on the way through $KV = \text{infinite}$ within Beyond Classical Mechanics (BCM).

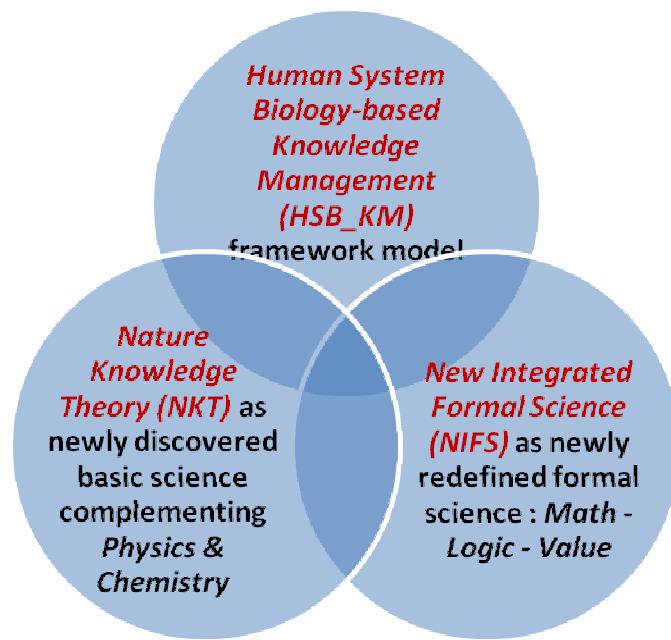
Nature Knowledge Theory (NKT) based (see pp 13 – 16) the invention of New Standard Model of Particle Physics - <http://ow.ly/PtIWR>



***DEF (duo-entity-force)**, a fundamental elementary mass less particle unit or basic building block of Universe in the form of entity pairing between the 4th force (**Graviton**, giving *gravitational effect*) representing somatic mediating **particle function** and the

5th force (**Knowon**, giving *entanglement effect*) representing psycho (consciousness) mediating **wave function** both as an entity in superposed state between Dependent to SpaceTime (DST) for Graviton and Independent to SpaceTime for Knowon. The existence of DEF discovered as implication of reversed engineering mechanism driven with Inverted Paradigm Method (IPM) on our **Human System Biology based Knowledge Management (HSB_KM)** model framework (see URL <http://t.co/Ri7IY8HP>). Actually *Knowon* as “the waving” 5th force will act as “the waving string” with regards to (Super) String theory within Sub Quantum Mechanics (SQM) Universe domain. **IST DEF began to do Big Blowing** in the form of DST DEF or *Dark Energy* to making *Intergalactic Space* → *Interstellar Space* → *Interplanetary Space* about 13.7 Billion years ago until currently in sustainable manner giving universe expanding and accelerating expansion (the word of **quintessence** that’s meaning of “soul” or “heart” by any mean is valid and suitable for IST DEF as well as DST DEF)

- **Nature Knowledge Theory (NKT)** is New Basic Science within hierarchy of science discovered as the outcome of our long term trans disciplinary work and study (1975 – 2013). NKT function is to complementing integratedly the interaction of Physics with their environment by means of science. NKT generated from our “*beyond Knowledge Management (KM) advanced study*” namely with regard to our framework model. The model which is called as **Human System Biology-based Knowledge Management (HSB_KM)** developed on the base of Cognitive Neuroscience driven with consideration that Knowledge already attributed with Consciousness contrary different with Data and Information which are not yet attributed with Consciousness. The main derivative of NKT is to redefine the paradigm of Formal Science which is by now regarded as the entity of *Mathematics – Logic – Value* or called as **New Integrated Formal Science (NIFS)** . Furthermore based on the properties of NKT as “New Physics” which representing *Matter* and *Energy* as well as *Consciousness* (as the attribute of Knowledge which given broadened meaning within “beyond DIKW Knowledge Management” advanced study), we convinced that NKT will be encouraged to perform as *M-theory** and / or *Theory of Everything (TOE)*
**M-theory* : a fundamental theory of Physics that is a *candidate for Theory of Everything (TOE)*



Sequential of our sustainable Work and Study (1975 – 2013) needed to *Nature Knowledge Theory (NKT)* discovery

Our Work and Study : Material and Method	Time and Duration
Transdisciplinary approach learning needed to covering 10 – 15 subject matters : <i>Knowledge Management – Business Process Reengineering (BPR) – Astro and Particle Physics – Cosmology – Complexity Theory – Non Linear and Chaotic Dynamic study – Research Methodology – Information Theory – Math & Statistics – Philosophy of Science – Theoretical Physics – Neuroscience – NeuroOphthalmology – Cognitive Science – Biology – Organizational Learning – Community Development – Anthropology – Educational Psychology</i>	Since 1975
Thematic and Contextual learning	Since 1990
Knowledge (K) and Knowledge Management (KM) study	Since 1990
Blended learning	Since 1995 (Internet era)
The practice of <i>Human System Biology-based Knowledge Management (HSB_KM)</i> framework model in our services and consultancies	Since 2005
Evidence based Research and Study	Since 2008
Beyond Knowledge Management (BKM) or beyond DIKW based KM advanced study : Verification and Empiricism era of HSB_KM model	2008 - 2013
International Networking and Collaboration in Learning and Education	Since 2011
The Discovery of <i>Nature Knowledge Theory (NKT)</i> and its derivatives incl. <i>New Integrated Formal Science (NIFS)</i>	2013
#Total time and duration needed in the process of NKT Discovery is about 35 – 40 years !	1975 - 2013

- The above study regarded as evidence based phenomenon showing that knowledge could exist outside human minds is the key to revealing scientifically the secrets of Universe through the act of linking up consciousness with physic or consciousness encounters physics. If we succeed to do that, then we could claim that only through KM we could “fix the big mistakes in Science” or KM is key toward future science. BTW, it is prominently noted that ***Nature Knowledge essentially is the third fabric (basic ingredient) of Universe beside Matter and Energy***



With regard to our action plan, those who want to join us to networking and collaboration → feel free to contact :

Dr Md Santo (a.k.a. Moesdar Santo) : Knowledge Management (KM) & Organizational Learning (OL) consultant and researcher - Founder of social networking site (SNS) *MOBEE KNOWLEDGE CoP & Nature Knowledge Indonesia (NKI) Work Group* – e-mail : moesdar@gmail.com - Tel. [+62 21 8354691](tel:+62218354691) - Mobile [+62 88210817549](tel:+6288210817549) – Knowledge repository <http://mobeeknowledge.ning.com> – Twitter http://twitter.com/md_santo - Profile at LinkedIn <https://id.linkedin.com/in/bluemoonmabee> - Recognized as ***"2013 Top 100 Influencers in Knowledge Management"*** (*MindTouch*, USA) – Associate member of *Beyond Knowledge Management Advanced Study* at *CK4BC-SBM-ITB*, Bandung – Indonesia