

MODEL FRAMEWORK BY NATURE : HUMAN SYSTEM BIOLOGY-BASED KNOWLEDGE MANAGEMENT (HSBKM)

Md Santo – Mobee Knowledge Services – <http://mobeeknowledge.ning.com>

*We are KM - regulated by Nature vice - versa
by Nature we are KM model, Md Santo (2010)*

The piece of narration work below is compendium or compilation of various descriptions written in our social networking site (SNS) “MOBEE KNOWLEDGE CoP”
<http://mobeeknowledge.ning.com> since started out in May, 2008

Characteristics of the Evolution of DIKW continuum

It is noted that the beginning of 21th century marked with Knowledge Management (KM) as prominent continuation of Data and Information Management. DIKW concept, stand for Data-Information-Knowledge-Wisdom continuum, becoming outstanding issue as well as KM becoming full blown phenomenon as a discipline entity, but marked with unique and somewhat “strange behavior” that so far, there is no acceptable and workable KM definition. Never before in human history of science, we could hardly define a learning object as in defining K as well as KM. The essence meaning of Scientific Knowledge still “blurring”, Knowledge as well as KM also challenged by : lack of clarity, absence of meaningful measures, lack of understanding of knowledge flow, complex and changing business environment, knowledge needs are context specific and differing perspectives lead to lack of alignment. It seems certainly we should find new paradigm to finding out the solution to addressing the future of K and KM

Considering the above mentioned, we come up with our postulate, “*WE ARE KM-REGULATED BY NATURE vice-versa BY NATURE WE ARE KM MODEL*” and further developed toward the *Human System Biology-based KM (HSBKM)* model framework , in

which KM is an comprehensive entity of *Technology* (KM Tools), *Processes* (KM Process Framework) and *People* (KM Standard Culture and Value).

Derived from our other postulate that DIKW (D=Data, I=Information, K=Knowledge, W=Wisdom) model is not purely a continuum at all, we developed DI – KW separated model resulting consideration that Knowledge is human knowing tools achieved as inborn as well as acquired (visit our Knowledge-Base on DI – KW Model <http://delicious.com/mobeeknowledge/di-kwmodel>).

I'd like to emphasize, within D-I-K-W continuum and/or Science evolution, K and beyond is no more behaving as object such as in D and I. K and beyond is the output of human knowing tools, evolved as emergent property, having consciousness inside human being as complex system, alive and behaving as subject with freewill

Knowledge is the edge of Science

Let me show our diagram titling “*Knowledge is the edge of Science*” - <http://bit.ly/aoFQp0>
Here, Knowledge within Science continuum located in grey area and there should be shifting paradigm of Knowledge that will open towards new era in which Scientific Knowledge, a term where Knowledge treated as object, could becoming “Knowledgeable Science”, a term where Knowledge treated as subject.

Surely we could partially treat KM as science considering K is object, but in an advance domain, KM should be treated as “Knowledgeable Science” rather than “Scientific Knowledge (Management)”. Of course, Knowledgeable Science domain should be modified and/or adjusted to put Knowledge more skewed to the right within D-I-K-W continuum. Here, among others we preferred using “possibility” rather than “probability”, “complexity” rather than “simplicity”, “genomic/consciousness DNA” rather than “mind brain” or “human senses”, “seeking Right or Wrong” rather than “seeking Good or Bad” and “True or False”, concern more with “Knowledge-base” rather than “Data-base”, trend in using “evidence-based and reverse engineering” rather than “deducto-hypothetico-verificative (scientific pathway), “social media 2.0-3.0 tools” rather than “multi media tools”, “doing by learning” rather than “learning by doing” etc all could be considered used within our KM metrics.

Redefining Knowledge and Knowledge Management

Further we (re)defined Knowledge as follow, *Knowledge is the output of human knowing tools, evolved as emergent property, having consciousness inside human being as complex system, alive and behaving as subject with freewill, contrary with Data and Information exist outside human being, non-alive and behaving as object only, therefore we were able further to (re)define Knowledge Management (KM).*

Wherein our KM definition exposed like the following,*Knowledge Management essentially is not management technique but behaving more as a living access mechanisms that can be used across any management tool type such as Total Quality Management, Learning Organization (Peter Senge's Fifth Discipline), Benchmarking, Process Classification Framework, Business Process Reengineering, Balanced Scorecard, Business Intelligence, Information Management including Social Media platforms etc. wherein each with their specific functions to be orchestrated under KM's consciousness. So, here we put KM in incredibly broad meaning behaving as subject with higher level than any other management tool type which is treated only as object* (<http://mobeeknowledge.ning.com/forum/topics/the-epistemology-of-human-1> and MobeeKnowledge K-base <http://www.delicious.com/mobeeknowledge/kmdefinition>)

Describing Human System Biology-based Knowledge Management (HSBKM) model framework

Human Knowledge is the output of human knowing tools (HKT). HKT is the entity within human being comprised of Human Somatic (physical) and Human Psycho (psyche) components. KM Tools representing the symbol of human peripheral and autonomic senses as human primary knowing tools producing knowledge with lower consciousness **(KLC)**. KM Process Framework representing the symbol of human mind brain (central nerves system) as human secondary knowing tools producing knowledge with medium consciousness **(KMC)**. KM Standards Culture and Value representing the symbol of human genome / consciousness DNA as human tertiary knowing tools

producing knowledge with higher consciousness (KHC)

For the sake of KM metrics by (inter) subjective judgment we gave weighted score (WS) = 1 as the value KLC, WS = 3 as the value of KMC and WS = 5 as the value of KHC respectively. We have also succeeded to developing *Mobee Knowledge Competency and Capability Maturity (MKCCM)* model as tools to evaluate KM achievements

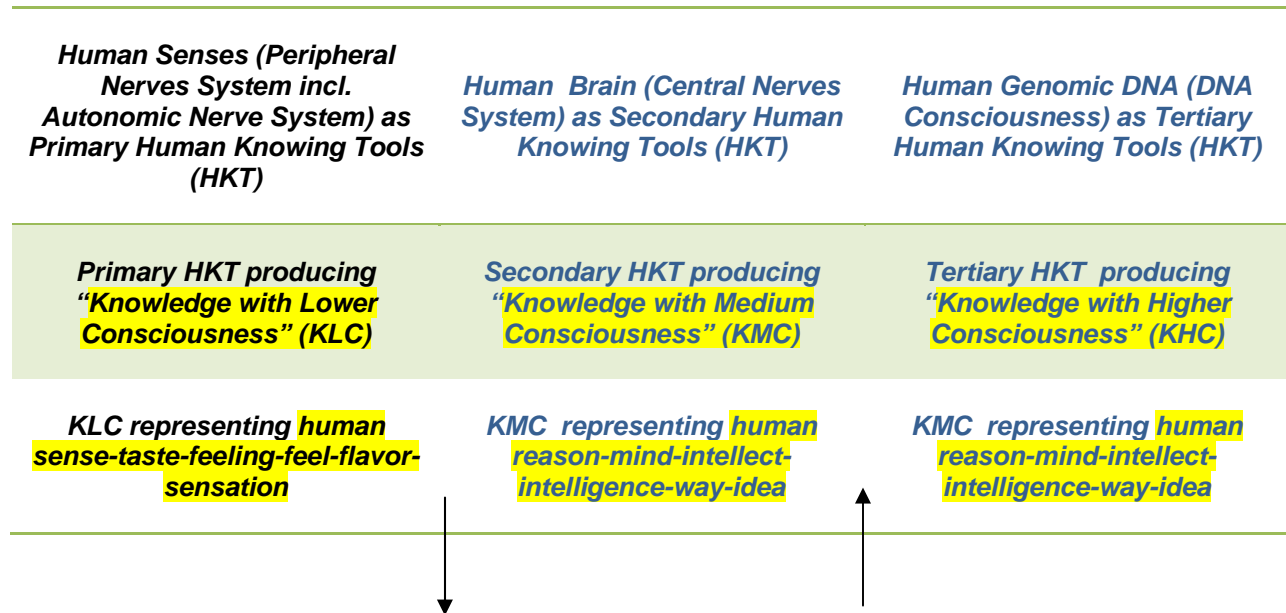
In general KLC as Techno-based boundary KM representing human sense-taste-feeling-feel-flavor-sensation, KMC as Human Mind-based boundary KM representing human reason-mind-intellect-intelligence-way-idea and KHC as Human Organizational (Collective / Social) Learning-based boundary KM representing human reason-mind-intellect-intelligence-way-idea respectively

For operational and practical purposes, we clarified KM TOOLS component covering IT/ICT, Web 1.0 and 2.0 incl. Social Media platforms. (Referred to “Machine or Techno Learning” or to Category 7.0 (PCF – APQC (stands for Process Classification Framework – American Productivity and Quality Center) as corporate taxonomy of business process orientation), KM PROCESS FRAMEWORK component covering Human (Tacit) Mind incl. Web 3.0 and/or Semantic Web including Artificial Intelligence (AI) (Referred to “Individual Learning” or to Category 12.0 (PCF – APQC) as corporate taxonomy of business process orientation) and KM STANDARDS Culture and Value component covering Codified / Explicit Knowledge, Human Social Behavior, Organizational Culture (Learning Organization). (Referred to “Organizational Learning” or to Category 1.0 – 2.0 – 3.0 – 4.0 – 5.0 – 6.0 – 8.0 – 9.0 – 10.0 – 11.0 (PCF-APQC) as corporate taxonomy of business process orientation) respectively

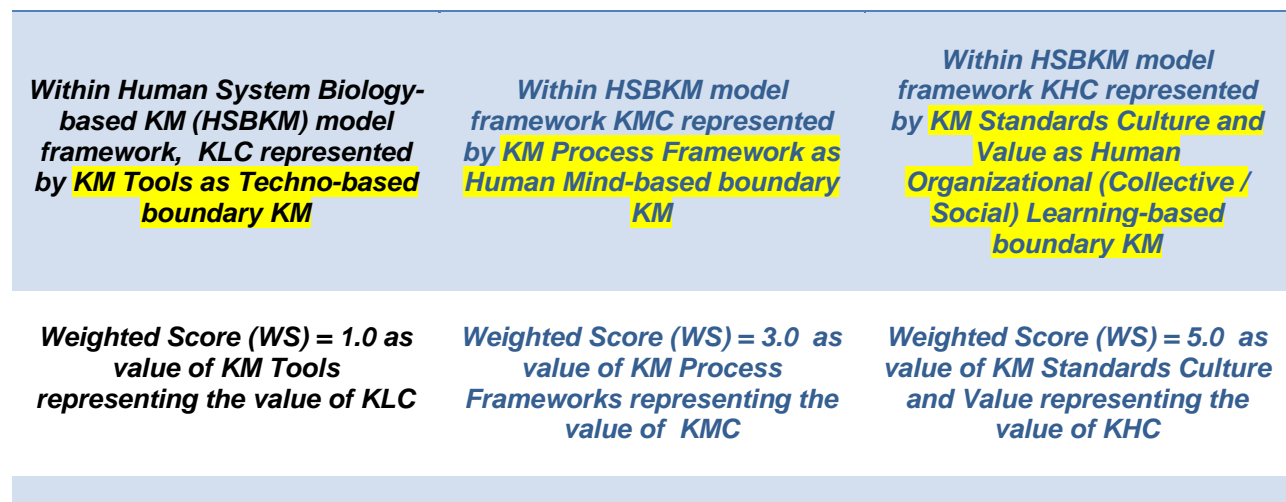
Regarding the role of technology in KM, the maximum possible score of the role of technology (techno-driven KM solution) in HSBKM = 1 + 3 (for very smart / high techno replacing totally the human mind brain function) = 4 divided by total 1+3+5 = 44.44%. It means, the rest of KM about 55.56% still reside inside human platform in case techno platform “replacing totally” human mind brain role. Our interesting article to describe the phenomenon is <http://mobeeknowledge.ning.com/forum/topics/knowledge-towards->

2012-great - “KNOWLEDGE TOWARDS 2012 : GREAT TURNING FROM MIND BRAIN TO CONSCIOUSNESS DNA”

HUMAN SYSTEM BIOLOGY : HUMAN KNOWING TOOLS PRODUCING KNOWLEDGE



HUMAN SYSTEM BIOLOGY-BASED KNOWLEDGE MANAGEMENT (HSBKM) MODEL FRAMEWORK



<p>KM TOOLS component covering IT/ICT, Web 1.0 and 2.0 incl. Social Media platforms. (Referred to “Machine or Techno Learning” or to Category 7.0 (PCF – APQC**) as corporate orientation)</p>	<p>KM PROCESS FRAMEWORK component covering Human (Tacit) Mind incl. Web 3.0 and/or Semantic Web including Artificial Intelligence (AI) (Referred to “Individual Learning” or to Category 12.0 (PCF – APQC**) as corporate orientation)</p>	<p>KM STANDARDS Culture and Value component covering Codified / Explicit Knowledge, Human Social Behavior, Organizational Culture (Learning Organization). (Referred to “Organizational Learning” or to Category 1.0 – 2.0 – 3.0 – 4.0 – 5.0 – 6.0 – 8.0 – 9.0 – 10.0 – 11.0 (PCF-APQC**) as corporate orientation)</p>
<p><i>Be like to human organ system as somato (physical body structure) aspect : Documents of management (tools) type exist as Explicit Codified Knowledge, Taxonomy Metadata Management + CMS = Data/Information Management (Knowledge-base)</i></p>	<p><i>Be like to human brain as somato (physical body structure) aspect : Documents of Process Classification Framework (sources of Human Learning Competencies) exist as Explicit Codified Knowledge</i></p>	<p><i>Be like to human genomic DNA as somato (physical body structure) aspect : Documents of Enterprise DNA = Knowledge Architecture (as Content Management System / CMS & Learning Management System / LMS) + Taxonomy Metadata Management exist as Explicit Codified Knowledge</i></p>

Source <http://mobeeknowledge.ning.com>

@2011 – Md Santo

**** Referring to PCF – APQC = Process Classification Framework – American Productivity and Quality Center as taxonomy of cross functional business process comprising 12 Categories :**

1. Develop Vision and Strategy
2. Develop and Manage Products and Services
3. Market and Sell Products and Services
4. Deliver Products and Services
5. Manage Customer Service
6. Develop and Manage Human Capital
7. Manage Information Technology
8. Manage Financial Resources
9. Acquire, Construct, and Manage Property
10. Manage Environmental Health and Safety (EHS)
11. Manage External Relationships
12. Manage Knowledge, Improvement, and Change

Background Information and/or Background Reading

- Concerning the general information on HSBKM, should you visit our main ref links <http://mobeeknowledge.ning.com/forum/topics/we-are-kmregulated-by-nature> - *“WE ARE KM-REGULATED BY NATURE vice-versa BY NATURE WE ARE KM MODEL”* , <http://bit.ly/mQjlgD> - *“Brief Guide to Human System Biology-based Knowledge Management (HSBKM) model framework”* and <http://bit.ly/lx3GbA> - *“Brief Comprehensive Description on Human System Biology-based Knowledge Management (HSBKM) model framework”*
- To get comprehended more in detail all of the issues above mentioned, visit our URL <http://bit.ly/lx3GbA> - *“Brief Comprehensive Description on Human System Biology-based Knowledge Management (HSBKM) model framework”*, especially pp 12 - 14 as *“List of articles generated from <http://mobeeknowledge.ning.com> needed as background reading to comprehending the issue of Human System Biology-based Knowledge Management (HSBKM)”*
- On brief guide to explore our social networking site (SNS) “MOBEE KNOWLEDGE CoP” <http://mobeeknowledge.ning.com> as learning resources, should you click the following URLs, <http://bit.ly/iyMXrp> - *“MobeeKnowledge Services”* and <http://bit.ly/hU7fjM> - *“MobeeKnowledge Site Map – Taxonomy Metadata Management – Human System Biology-based KM model framework – KM Components”*

Dr Md Santo

- Medical Doctor & Ophthalmic Surgeon Consultant - Airlangga University, Indonesia
- Knowledge Management and Organizational Learning Consultant – Jakarta, Indonesia
- Founder Social Networking and Learning Resources Site (SNS) “Mobee Knowledge CoP” <http://mobeeknowledge.ning.com> (as end June, 2011 over 800 members in 38 countries)

@2011 –Md Santo

Tags : [complexsystem](#), [consciousness](#), [emergentproperty](#), [hsbkm](#), [humansystembiology](#), [kmdefinition](#), [kmmetrics](#), [knowledge](#), [knowledgemanagement](#), [mkccm](#), [di-kwmodel](#), **science**