Beyond Knowledge Management trend: DIKW continuum vs Nature Knowledge continuum

Md Santo: moesdar@gmail.com - http://mobeknowledge.ning.com

- Beyond Knowledge Management trend within DIKW continuum

- Beyond Knowledge Management: New Ways to Work - http://www.providersedge.com/docs/km_articles/beyond_km_-_new_ways_to_work_and_learn.pdf

Authors: Brian Hackett - Publication Date: March 2000 - Report Number: R-1262-00-RR

Companies around the world have begun to make real business contributions through practices associated with Knowledge Management (KM) and Organizational Learning (OL). This report, based on a survey and Working Group discussions, takes an empirical look at knowledge management and organizational learning efforts occurring inside large companies.

Topics covered:
linking learning and knowledge management
implementing KM and OL
approaches and tools for KM and OL
knowledge leadership
overcoming barriers: lessons still being learned
the future of learning and knowledge management
Three Trends and a Prediction for the Future KM:

APQC President Carla O’Dell discusses the state of knowledge management in 2012 - http://tinyurl.com/a63po5u

Carla O’Dell began her keynote address at APQC’s 2012 knowledge management (KM) conference by pointing out what a great time it is to be a knowledge management professional. The first reason for this is the relative longevity of the KM field. Now that the discipline is more than 15 years old, knowledge managers have a large body of knowledge and robust, proven methodologies from which to draw. Leading organizations have refined and perfected approaches like communities, transfer of best practices, and lessons learned, laying a clear path for firms that are less far along.

The second reason O’Dell cited is the multidisciplinary nature of KM and the extent to which it evolves based on developments inside and outside organizations. “There are a lot of things going on in the world at large that impact how we do KM,” she explained. External forces continue to transform organizations’ strategic objectives and what senior leaders consider important. This, in turn, affects how knowledge managers formulate strategies and value propositions for their programs. Moreover, new technologies and schools of thinking are constantly influencing the portfolio of available KM approaches and how those approaches are implemented and evaluated.

With this backdrop in mind, O’Dell focused her keynote on three interrelated trends with the potential to revolutionize how organizations create and implement KM programs:

1. the consumerization of IT,
2. Social Media goes to work, and
3. the age of Analytics.

She concluded with a prediction about the future of KM and the next external trend that will impact the discipline’s development.
Three Postulates That Change Knowledge Management Paradigm

Michel Grundstein in MG Conseil, Nogent sur Marne, LAMSADE Paris Dauphine University, Paris France

http://www.academia.edu/1573944/Three_Postulates_That_Change_Knowledge_Management_Paradigm ("Published in Huei-Tse Hou (Ed.) New Research on Knowledge Management Models and Methods InTech 2012")

The positivist paradigm of Knowledge Management (KM), influenced by Computer Science and Information Technology, is the most implicitly recognized paradigm by researchers and practitioners in KM. From Grundstein viewpoint the paradigm needs to be enlarged to a general view resting on constructivist paradigm

He introduced the concept of “commensurability of interpretative frameworks” by proposing an empirical model (DITEK) that attempts to describe the transformation process from Data to Information and from Information to Tacit and Explicit Knowledge (DITEK)

Further he suggested a constructivist paradigm of KM with organizations based on three fundamental postulates:

Postulate 1: Knowledge is not an object
Postulate 2: Knowledge is linked to the action
Postulate 3: Company Knowledge includes two main categories of Explicit Knowledge (Know How) and Tacit Knowledge (Skills)
**KM Evolution**

- **1995**: Leveraging Explicit Knowledge
  - Collection
  - Learning in Private
  - Need to Know
  - Management Control of Content

- **2000**: Leveraging Experiential Knowledge
  - Communities of Practice
  - Expertise locators
  - Team processes for Learning before, during, and after

- **2005**: Leveraging Collective Knowledge
  - Creating new knowledge through conversation that integrates perspectives

**Complexity**

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**Beyond Knowledge Management trend within Nature Knowledge continuum**

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<thead>
<tr>
<th>Preferences</th>
<th>Preferences :</th>
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<tbody>
<tr>
<td>• Good or Bad</td>
<td>• True or False</td>
<td>• Right or Wrong</td>
</tr>
<tr>
<td>➢ Body</td>
<td>➢ Mind</td>
<td>➢ Soul</td>
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<tr>
<td>❖ Technology</td>
<td>❖ Process</td>
<td>❖ People</td>
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### 1st Knowledge Interface

- **Human Senses** (Peripheral Nerves System incl. Autonomic Nerve System) as Primary Human Knowing Tools producing “Knowledge with Lower Consciousness” (KLC) representing human sense-taste-feeling-feel-flavor-sensation (= human senses)

**Weighted Score (WS) = 1.0 as value of KLC**

### 2nd Knowledge Interface

- **Human Brain** (Central Nerves System) as Secondary Human Knowing Tools producing “Knowledge with Medium Consciousness” (KMC) representing human reason-mind-intellect-intelligence-way-idea (= human mind)

**Weighted Score (WS) = 3.0 as value of KMC**

### 3rd Knowledge Interface

- **Human Genomic DNA (DNA Consciousness)** as Tertiary Human Knowing Tools producing “Knowledge with Higher Consciousness” (KHC) representing human will – desire – wish (= human conscience). Human as social being

**Weighted Score (WS) = 5.0 as value of KHC**

### 4th Knowledge Interface

- **Quantum to Physico – Chemical Interactions Level** (Human Body to Nature Physical Awareness)

**KV = 10^{38} through < 1.0 CEF**


### 5th Knowledge Interface

- **Biological Interactions Level** (Human Body to Nature Biological Awareness)

**KV = 1.0 (senses) – 3.0 (mind) (non Human Knowing Tools)**


### 6th Knowledge Interface

- **Nature with higher Complexity**

**Behavior Level** - The Universe knows something we don’t. And it acts on cosmic scales

**KV > 9.0 to ~ (infinite CEF )**

### 7th Knowledge Interface

- **Within Human System Biology-based KM (HSBKM) model framework, KLC represented by KM Tools as Techno-based boundary KM 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)**

### 8th Knowledge Interface

- **Within HSBKM model framework KMC represented by KM Process Framework as Human Mind-based boundary KM 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**

### 9th Knowledge Interface

- **Within HSBKM model framework KHC represented by KM Standards Culture and Value as Human Organizational (Collective / Social) Learning-based boundary KM 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)**
**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

The resulting absolute value scaling ratio applied to Nature Knowledge continuum generated from Human System Biology based Knowledge Management (HSB KM) model framework

<table>
<thead>
<tr>
<th>Quantum World</th>
<th>Physical World</th>
<th>Biological World (Non Human Knowing Tools loci)</th>
<th>Human World</th>
<th>Beyond Human World</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting with Knowledge Value (KV) = 10^{38} CEF applied to DEF (dual-entity-force), a boson force elementary mass less particle unit of psycho-somatic Universe in the form of entity pairing</td>
<td></td>
<td></td>
<td>• KLC, KMC and KHC as the source of psycho-somatic Nature loci • K-Value = #Converted Human Weighted Score (WS) from</td>
<td></td>
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between 4th force (Graviton) and 5th force (Knowon). DEF discovered through reversed engineering mechanism on our Knowledge Management (KM) model framework (http://mobeeknowledge.ning.com). We believed DEF is the long sought of Higgs Boson particle

<table>
<thead>
<tr>
<th>K-Value</th>
<th>K-Value 1.0 - 4.0</th>
<th>relative value scaling ratio converted into absolute value scaling ratio (Thurstone method) = 1.0 (KLC) + 3.0 (KMC) + 5.0 (KHC) = around 9.0 CEF as Human Max Possible Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1.0 CEF</td>
<td>1.0 - 4.0 CEF</td>
<td>Thurstone direction indicating the magnitude of difference between Nature loci</td>
</tr>
<tr>
<td>KV = 10⁻³⁸ CEF</td>
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The Big Bang

KV = ∞ CEF

Consistency and Reliability of research through Inverted Paradigm Method (IPM):
Knowledge Value (KV) measurement by means as quantitative research tools should have consistency as well as reliability within context of Nature Knowledge continuum dynamics. This issue could be achieved through three modes. The first, considering our paradigm is Universe with three fabrics (Energy, Matter and Nature Knowledge), we have to established our Knowledge Management (KM) model framework as integrated collective tacit knowledge (collective mind brain as explicit knowledge) representing culture and value of people within organization assumed as high-end Universe evolution model. The intended KM model is our solid and robust Human System Biology-based KM (HSBKBM) model framework and Mobee Knowledge Competency Capability Maturity (MKCCM) as its derivative. The second, our intended KM model should undergo reversed engineering treatment by means through our special Inverted Paradigm Method (IPM) as research top down protocol with direction toward quantum scale level. The third, there should be (under strong postulate...
consistent psycho-somatic structure within high-end Universe evolution model as part of Nature Knowledge continuum to be reverse engineered toward quantum level. In this circumstance is the constancy of human absolute value scaling ratio of three human loci as sources of human knowledge, they are Knowledge with Lower Consciousness (KLC), Knowledge with Medium Consciousness (KMC) and Knowledge with Higher Consciousness (KHC) respectively with Knowledge Value (KV) measuring as 1.0, 3.0 and 5.0 CEF (Consciousness Element Factor), wherein both are as integral continuous part of other nature / non-human loci within Nature Knowledge continuum (see: http://bit.ly/pET0V4 - “Knowledge Loci in Human and Nature”, http://bit.ly/HBTntZ - “Mind Brain – Knowledge Interface Connection : Nature Knowledge Theory* applied to Neuro Science” and http://bit.ly/wGrduL - “The Language of Knowledge : Knowledge Interfaces”)

➢ **Reverse Engineering on Knowledge Management model as high-end of Universe evolution toward quantum level of Physics**


- Motivated by at least 6 (six) rationale thoughts, we performed Reverse Engineering on our Knowledge Management model framework considered as high-end of Universe evolution. By postulating Universe comprising of three fabrics, *Energy – Matter – (Nature) Knowledge*, the reverse engineering process came up with surprising paradox results. Knowledge Management (as practical science) applied for the benefit of Particle Physics (as basic science) through discovery of some new important theoretical constructs

- The six rationale thoughts as back ground of our innovated Reverse Engineering including:

  1. Linking up Consciousness with Physics
  2. Knowledge Management model framework as high-end of Universe evolution
  3. Comprehending Reverse Engineering
4. Inverted Paradigm Method (IPM)

5. Consistency and Reliability of research through Inverted Paradigm Method (IPM)


( Full text could be read at http://t.co/Ri7IY8HP )

➢ Some prominent conclusion overviews of our work:

▪ We believe, the Big Mistake in Science rooted from the reality that so far we did not consider Universe as psycho – somatic entity, a Universe with Consciousness factor as the attribute of Nature Knowledge instead of Matter and Energy since or even before the Big Bang (the birth of SpaceTime) (See Consciousness, Consciousness Element Factor (CEF), Consciousness factor in Big Bang, SpaceTime, “duo-entity-force” (DEF) boson particle at http://tinyurl.com/b43zbrh - “Glossary of Nature Knowledge Theory (NKT)”)

▪ Executive Summary: http://tinyurl.com/d7abpk5 - “Proving the existence of Nature Knowledge – based new psycho – somatic* boson force as basic building block of the Universe : What’s next?

▪ Our reverse engineering process on Knowledge driven high-end state of Universe evolution model highly compatible with Model-dependent Realism of Stephen Hawking ( see http://t.co/S7GARdRC )

▪ http://tinyurl.com/d4pupdd - “Course and prognosis of our Knowledge Management (KM) system : Time line (2008 – 2013+) of Mobee Knowledge Services - (Feb, 20123 edition)”

➢ Appendices (cited from discussion with SBM-ITB on “Plan to establish KM-based Multi Center Study”, March 1, 2013) :

The problem of “Definition Insufficiency Syndrome (DIS)” of Knowledge Management (KM)

pp 2 – 3: The Practice of Learning

Everything about “Nature Knowledge” take a visit to http://tinyurl.com/b43zbrh - “NKT Glossary Feb, 2013 ed (pp 27 – 29)”

2. Important considerations why the limit of Science should shifted to the right- http://tinyurl.com/a9lkfvh pp 1 – 2

See also http://ht.ly/Fx7H - Convergence phenomenon as driven factor

3. We R KM regulated by Nature, and by nature we are KM model - http://t.co/SZVsezmi - p 1


**Our NKT and HSB KM based Knowledge solution products**


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