





Nature of Knowledge Work

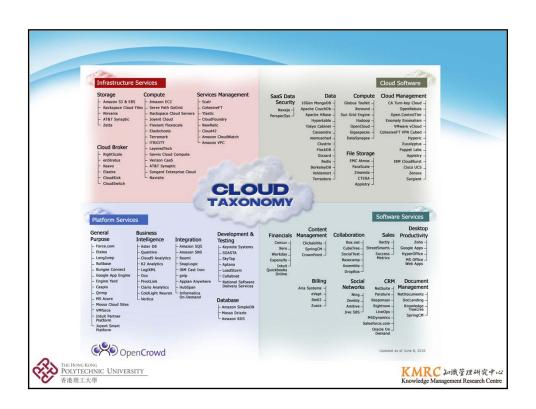
- Increasingly less routine, more analytical and need to be more collaborative
- Highly unstructured, unpredictable, disruptive yet often come with a sense of urgency
- Requires a different set of metrics for performance measurement
- Not only requires data and information but also knowledge and experience of the individual
- Group/Collaborative task execution, decision making and problem solving
- A huge amount of data and information to deal with
- Often more than one way to solve a problem,
 reflection and a learning environment are crucial

THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

Support for performing Knowledge Work

- Automate routine tasks as much as possible
- Tools to coordinate ad hoc tasks among workers
- Tools to identify and connect with subject matter champions; codify and share tacit knowledge
- Tools to discover, aggregate, analyse and visualise document/information/discussion summary, trends, work tasks etc.
- Leverage on input and preferences from trusted peers
- Knowledge Repository for keeping core assets
- Powerful Search mechanisms (proactive, multi-modal, multiple search modes, visualisation,...)
- Create a Personal and Organisational Learning Environment
- Personalisation (role type, multi-generational workforce, mobile

workers etc.)
THE HONG KONG
POLYTECHNIC UNIVERSITY
Sets BIT T + BE

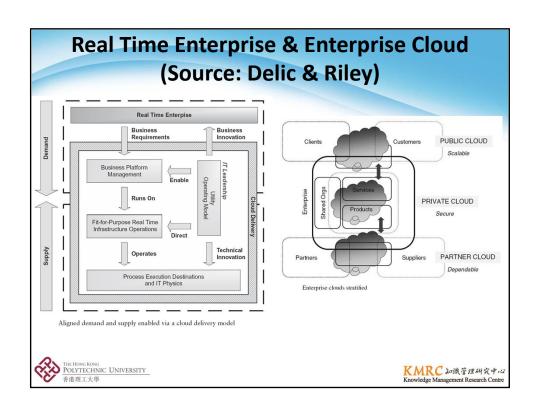


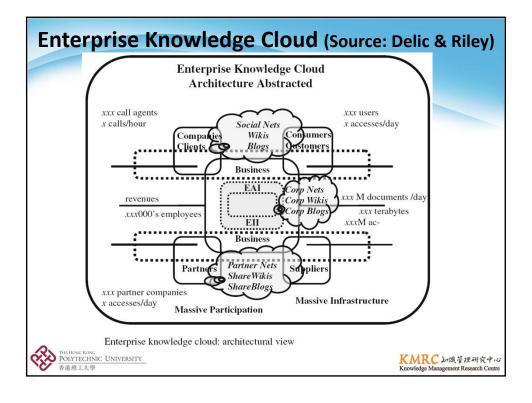
The Changing Landscape

- In every hour, 1005, 4110 and 5925 babies are born in the US,
 China and India
- Last year, there were 70k, 600k and 300k engineering graduates from the US, China and India
- It only took 4 years for Twitter to generate 10 billion tweets
- Internet devices increased from 1000 in 1984 to 1 Trillion in 2010
- There are 1.4b and 1.2b online communities in China and India
- The percentage of workers doing manual work in the US fell from 70% in 1900 to 35% in 1990 and to 15% in 2000.
- Approximately 75% of the economic activities in advanced countries is generated by service industries, where knowledge is the primary resource or ingredient





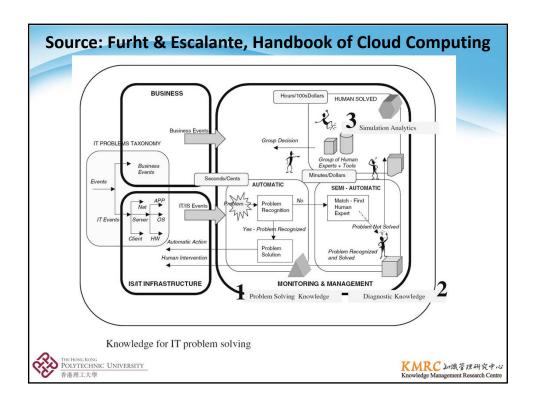


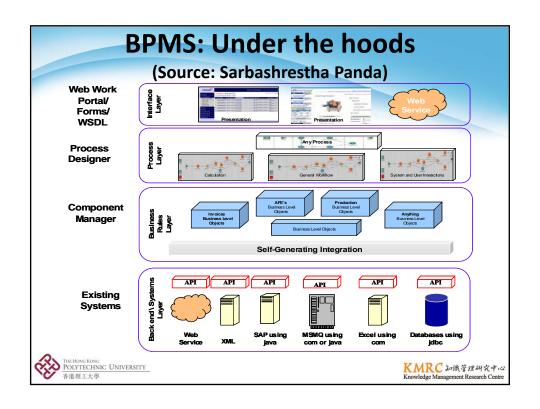


Opportunities and impact of CC on

- 1. Business Process Management
- 2. Taxonomy building and maintenance
- 3. Personal Knowledge
 Management Personal Learning
 Environment



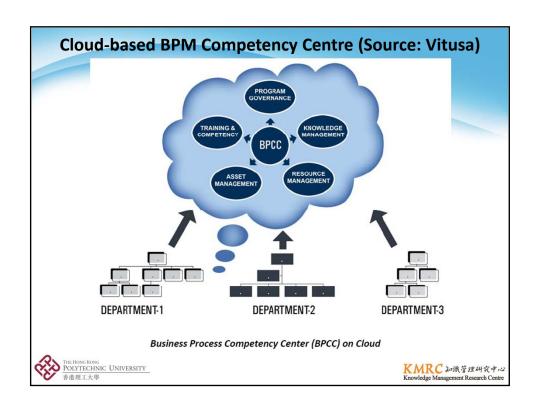


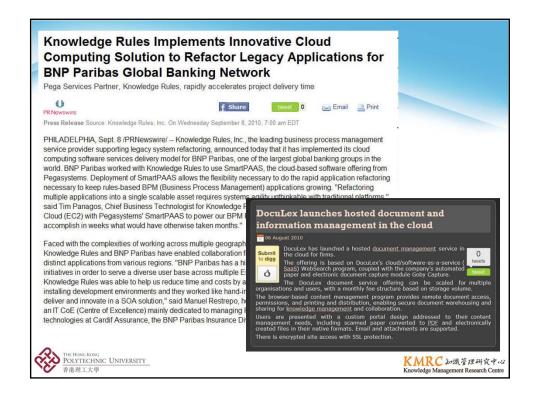


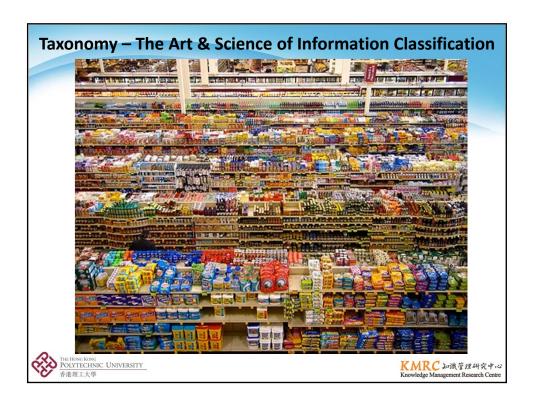
Cloud-based BPM enables

- The creation of ad hoc as well as formal/structured processes
- Processes to be more adaptive
- Fusion of business processes with personal processes (aka Social BPM)
- Analytics to be collected and analysed by individual knowledge workers
- SMEs to leverage on process management and create new opportunities

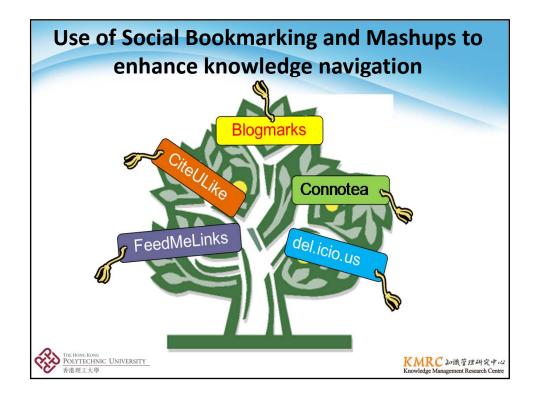


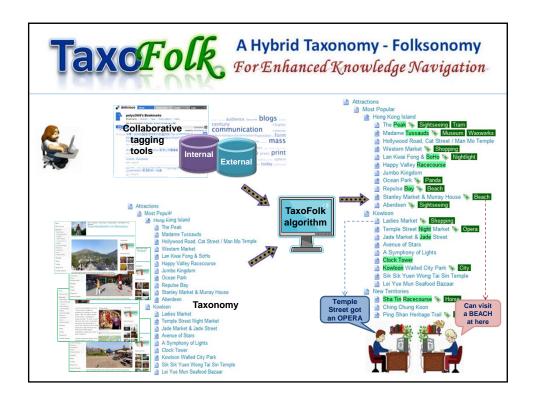










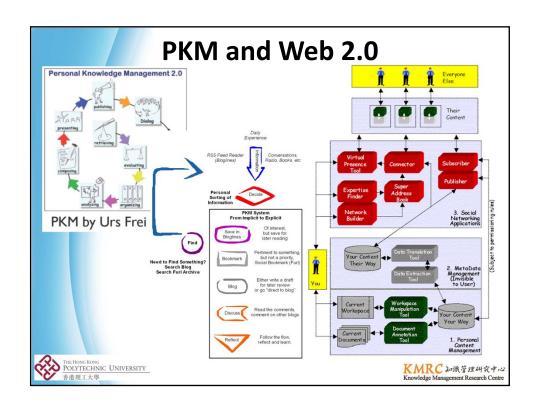


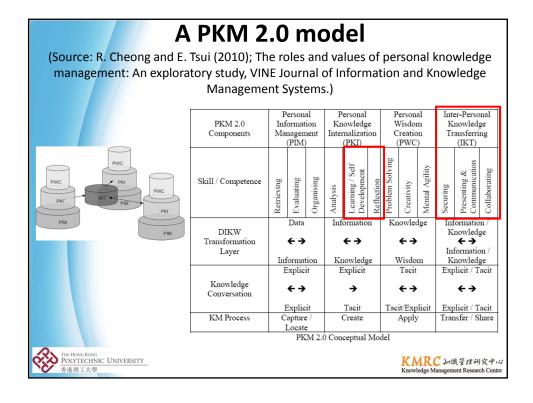
Cloud-based Taxonomy tools enable

- A decentralised, bottom up approach to taxonomy development and maintenance
- A higher consensus among knowledge workers about the meaning and use of terms
- The co-existence of corporate, group and personal taxonomies with fast adaptations
- A holistic way to build and maintain all taxonomic components in an organisation
- Faster, ubiquitous and accurate access to knowledge assets



Knowledge Management Vs Personal Knowledge Management		
	Google Search "Knowledge Management"	Google Search on "Personal Knowledge Management"
2001	About 500,000	18
March 2010	About 8,400,000	About 39,400
THE HONG KONG POLYTECHNIC UNIVERSITY 各港理工大學		KMRC 知識管理研究中 Knowledge Management Research Cent





Some challenges in a PLE/VLE

- Information Overload
- Sustainability & quality of contributions
- Knowledge Classification & Navigation
- Content authoring by the masses
- Development & tracking of personal competencies
- Lifelong learning

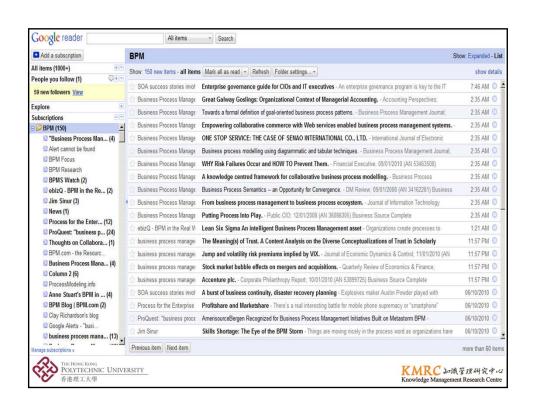


Use of RSS feeds, tagging, Google Buzz to create a co-learning environment

- Selective RSS feeds, filters & aggregators to supplement static content
- Tagging & annotation of articles
- Sharing, searching & navigation of articles by tags
- Ongoing discussions in Google Buzz







Ongoing discussions in Google Buzz



Johan Svärd - It's an interesting text autonomous tasks, that earlier was was simple but also unsatisfying. I I little power to affect their work situal creates unhappy workers and hence

Of course the pressure to be creativ



Eric Tsui - Google Reader - Private ISE457
An example of Adidas' own framewor

> Bridging Process Modeling and IT Tweet Eduardo Gonzalez of the adid organization, particularly the transition Expand this post » Delete

BPM Makes the Workplace More Stressful - On Collaborative Planning » BPM Makes the Workplace More

Stressful
Admittedly, a controversial title, but st.
being successful, and not any kind of t

Expand this post >

Eric Tsui - Google Reader - a Private

Private

Expand this post >

Expand this post >

Expand this post >

BPMN 2010 Keynote - On Collaborative Planning » BPMN 2010 Keynote

I just sat through the BPM 2010 keynote speech given by Phil Gilbert which I thought was worth a quick note here. He was asked to talk on the future of BPM, but clarified that he would really just... Expand this post » Delete

Elliott Ng - At the end kswenson mentioned that "It is clear that empowering business users is key to an large increase support for business work."

I believe this is what the goal of an agile organization, everyone/business users are able to adjust process for the benefit of the business. Sep 16 <u>Delete Report spam</u>

James Wong - ISE457

For "It is clear that empowering business users is key to an large increase support for business work", I think the "business users" would need to involve business partners, suppliers, employees and customers. Empowering them to participate significantly in refining business processes of a company is important to embrace the trend of "collaborative marketing", i.e. co-creating value for senices' processes through the collaboration of "business users". For example, in the new process design of a service designers may regard more for the ideas generated from customers' discussion through social BPM. I think it is necessary for a firm to keep up with the market trend by allowing different stakeholders to contribute significantly to the firm's business in order to pursue for "agility". Sep 16

Samuel Lai - I think BPM third wave with both top-down and bottom-up participation could facilitate the approach described above. The top management defines the high-level processes and requirements, which serve as the objectives for the operational teams to configure their respective executable processes. Obviously, the efficiency of changes in processes could be enhanced. Oct 1





The Personal Learning Environment (PLE)

- Leverages on public domain tools to combat information overload, filter information and foster ongoing collaborations
- Takes minutes to set up and mininal maintenance activities
- Is highly personalised to suit the individual
- Harness the collective wisdom of all participants (novices, experts)
- Is ongoing and perpetual
- A core intellectual asset of the organisation



KMRC知識管理研究中心

Challenges in delivering knowledge services in the cloud

- Security / Privacy
- Integration
- User customisation of vendor-specific tools and applications
- Portability of applications across clouds (especially PaaS and SaaS)
- Discovery, de-duplication and selection of services and data
- Advancements and adoption of Semantic Technologies and e-Discovery
- Paradigmatic change to work style and workplace



KMRC 知識管理研究中心 Knowledge Management Research Centre

Some challenges in a PLE/VLE

- Information Overload
- Sustainability & quality of contributions
- Knowledge Classification & Navigation
- Content authoring by the masses
- Development & tracking of personal competencies

• ...



Delivering Knowledge Services on the Cloud

Professor Eric Tsui

Knowledge Management Research Centre

HKPolyU

