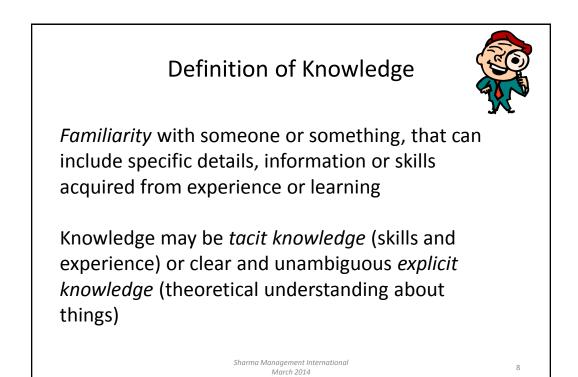


# Definition of Knowledge



The understanding of *relations* and *causalities*, and is therefore essential in *making operations effective*, building *business processes*, or *predicting the outcome* of business models

> Source: Knowledge Unplugged; McKinsey



Sharma Management International March 2014

## Definition of Knowledge



Source: Knowledge Management Toolkit;

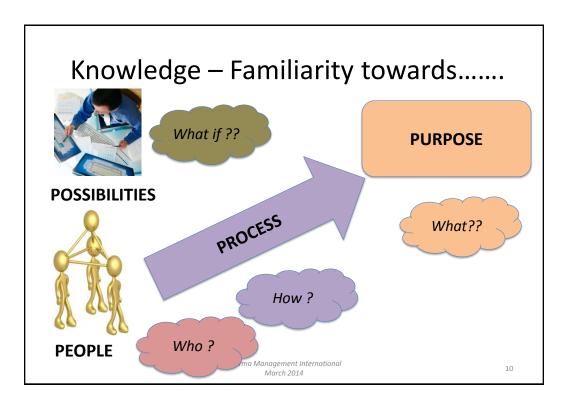
Amrit Tiwana

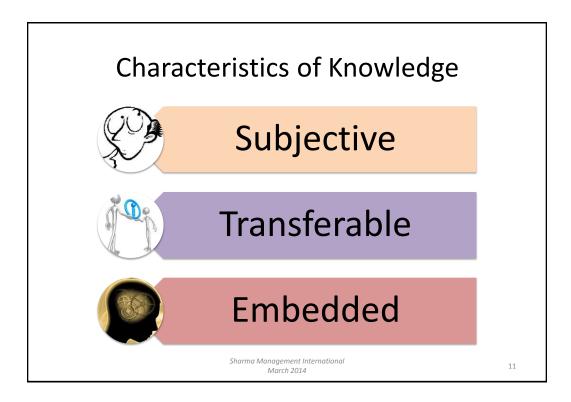
Fluid mix of framed *experiences*, *values*, *contextual information*, and *intuition* that provides an *environment and framework* for evaluating and incorporating new experiences and information

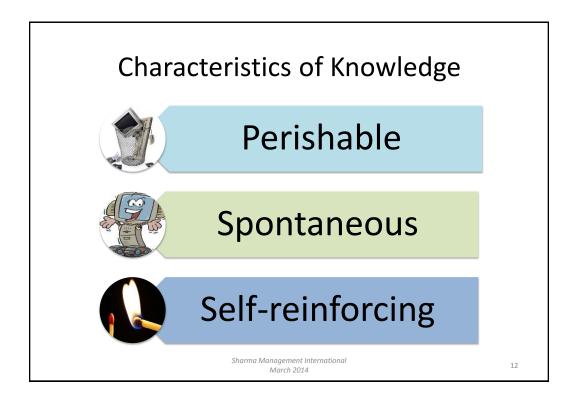
It *originates in individual minds* but is often *embedded* in organizational routines, processes, practices, systems, software and norms

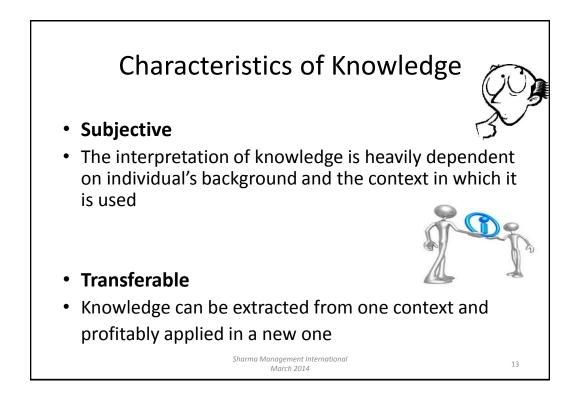
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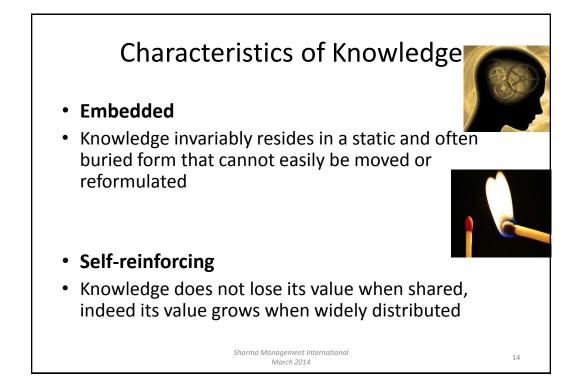
March 2014

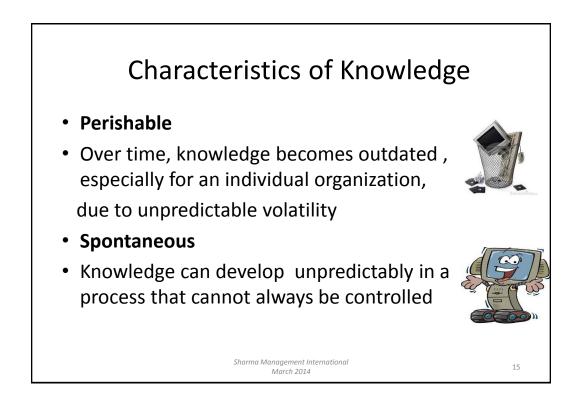


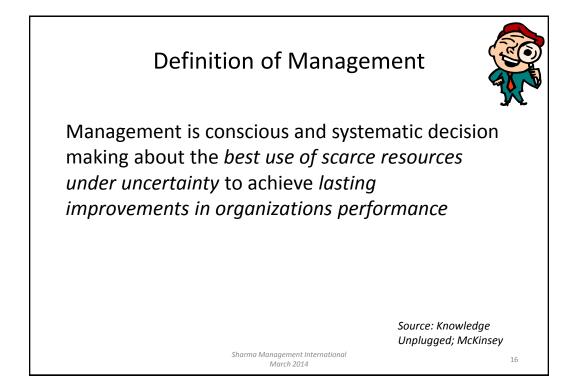


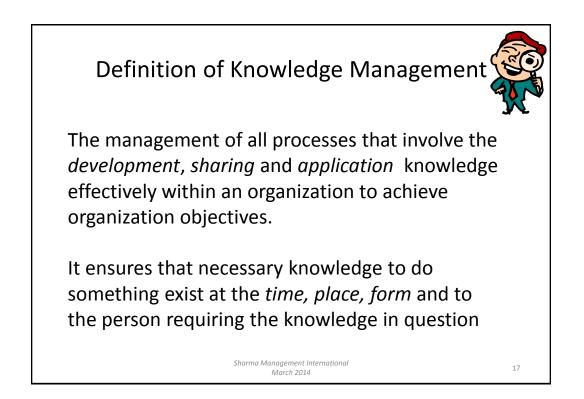


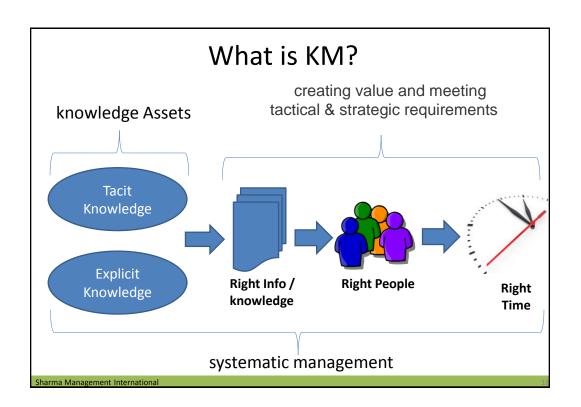


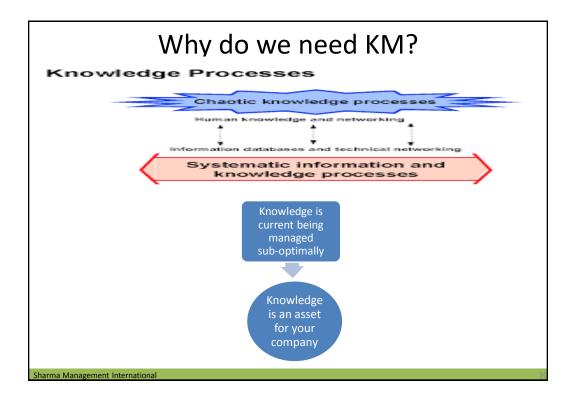








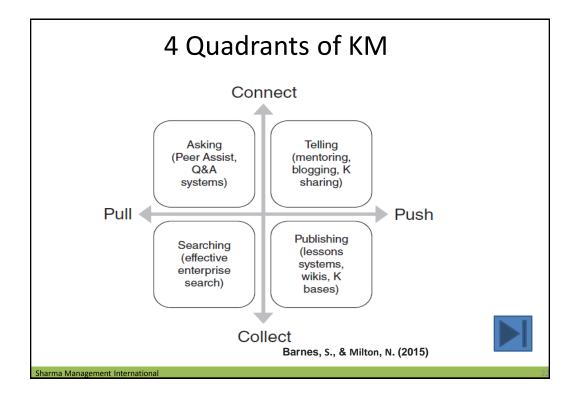


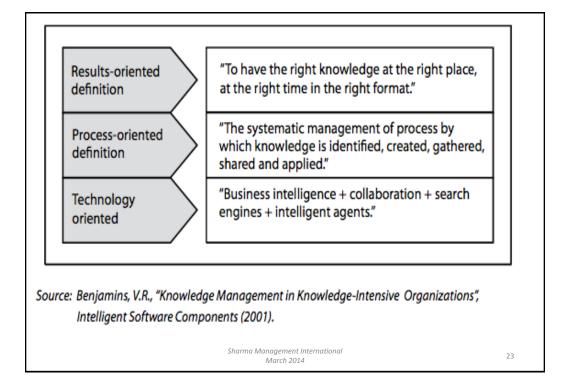


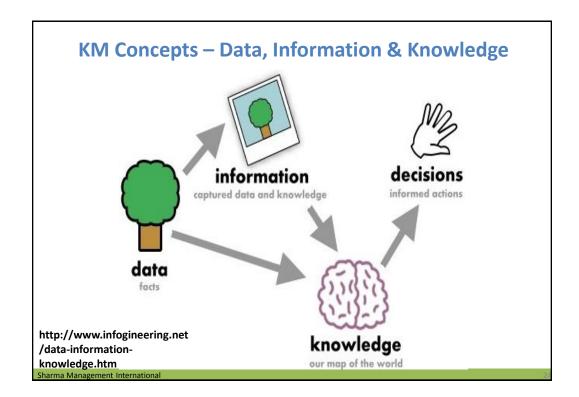
## Evidence of Knowledge Managed Sub-Optimally

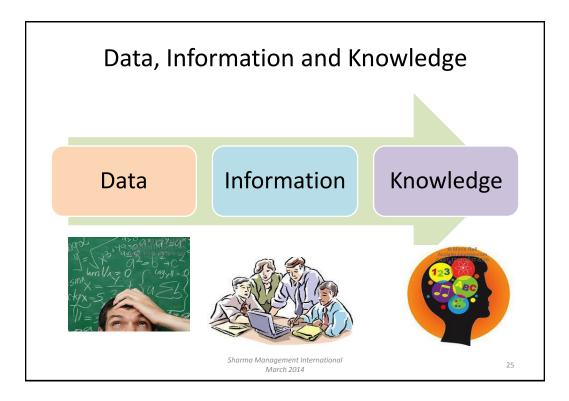
- Why do we keep having to relearn this?
- How do I know where to find this knowledge
- I'm sure I heard someone mention that to me the other day, now who was it?
- Someone must have done this before—but who?
- When that guy left, he took all that knowledge with him
- It was pure luck that I met John he/she had just the answer I was looking for
- That went very well-how do we repeat that success?
- We made this mistake in our other office too

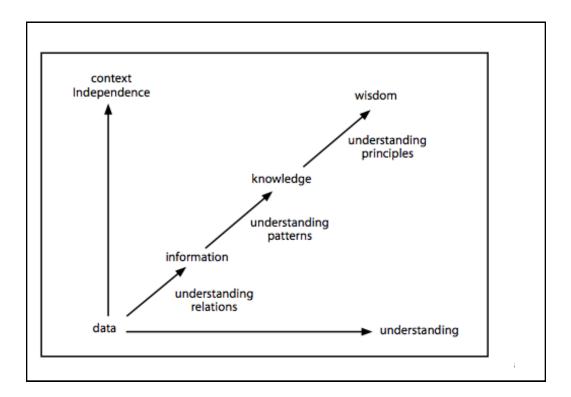
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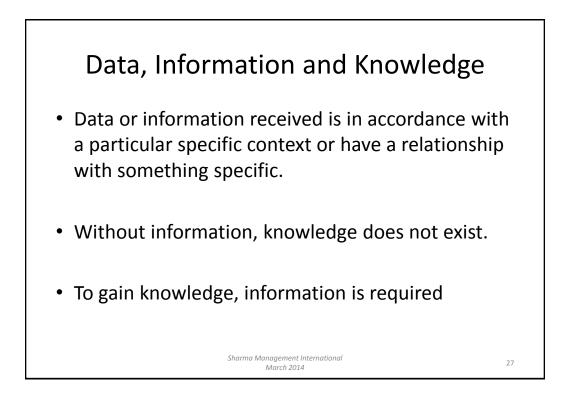


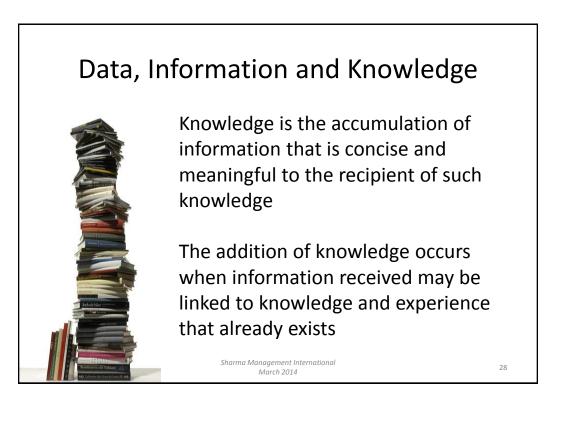


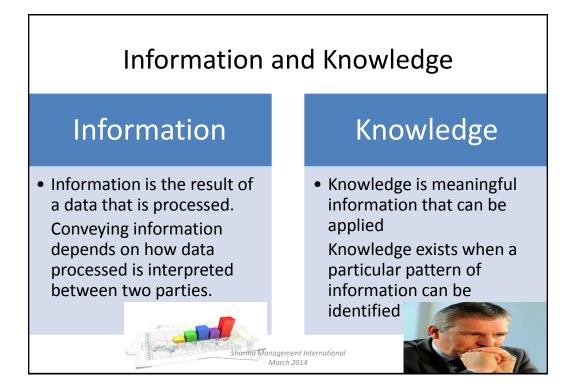




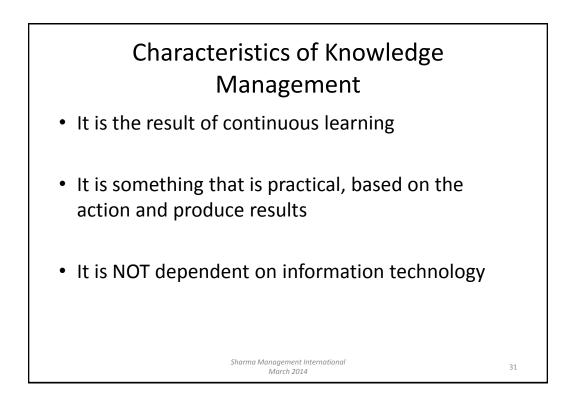


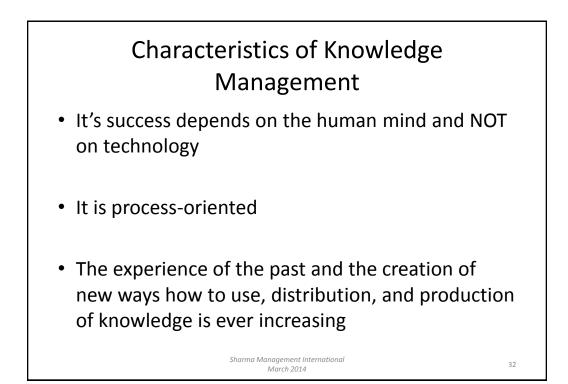


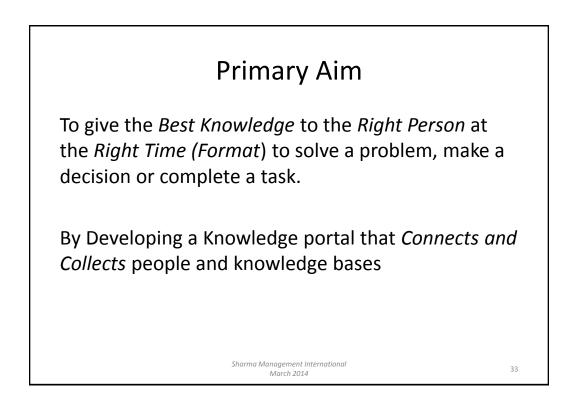


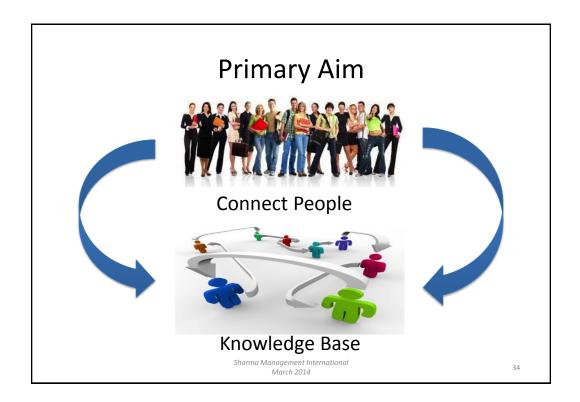


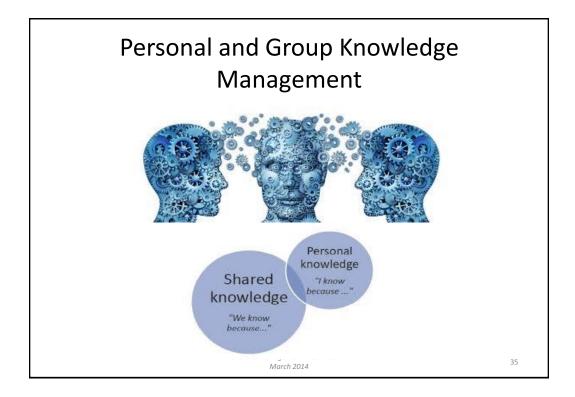
Information and Knowledge		
	INFORMATION	KNOWLEDGE
Element	Data that is processed	Meaningful information that makes sense
Use	Meaning of the information depends on how the data is arranged / presented	Involves style and analysis of the information provided
Desired result	Useful knowledge Sharma Management International March 2014	Basis for action

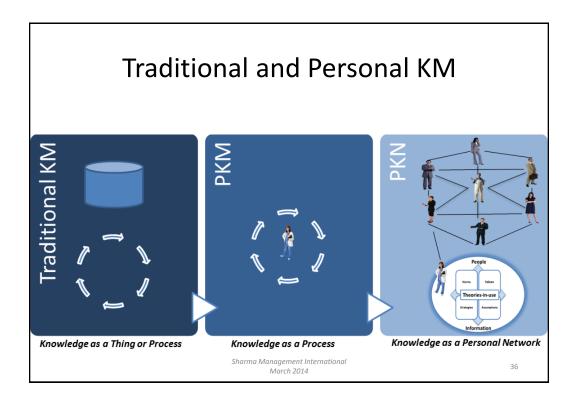


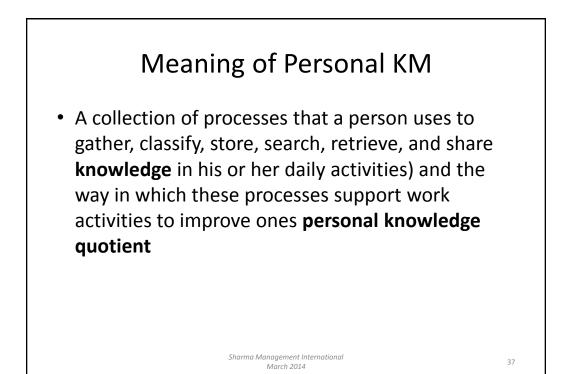


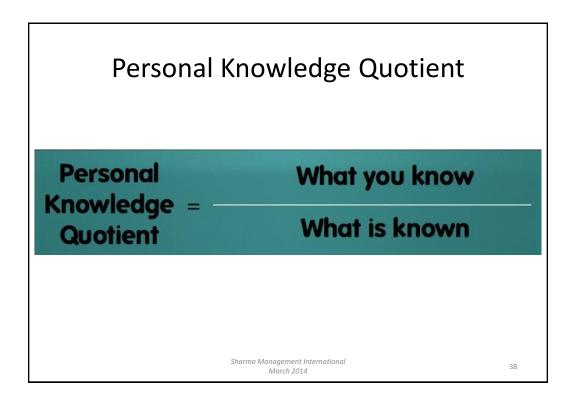


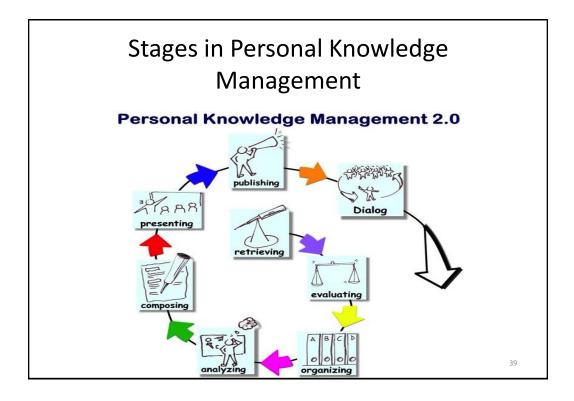


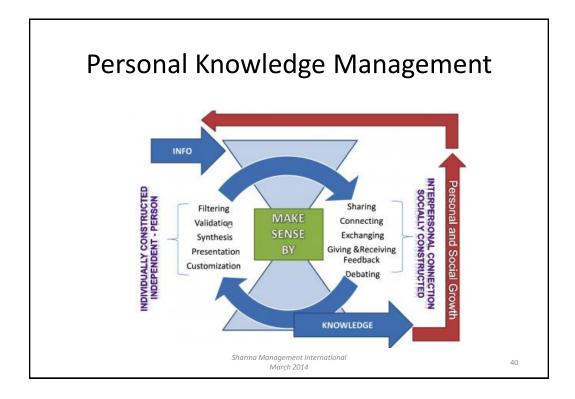


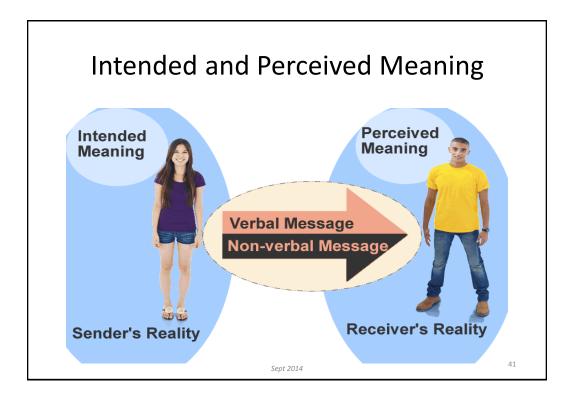


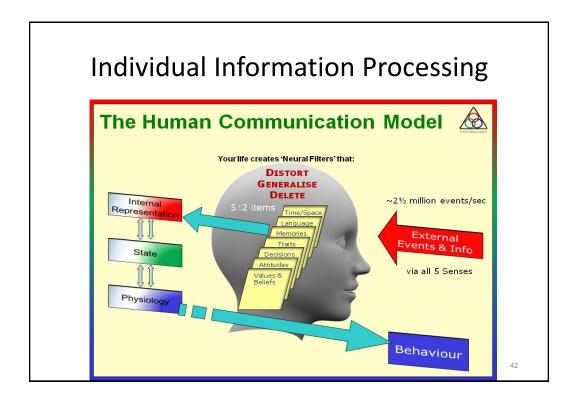




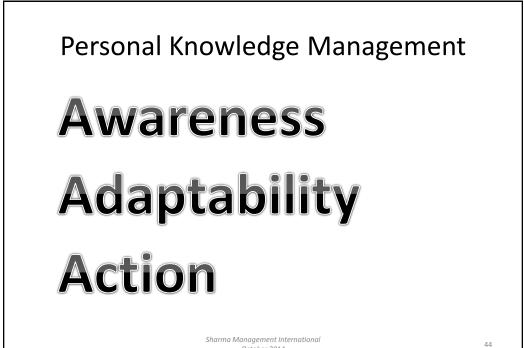




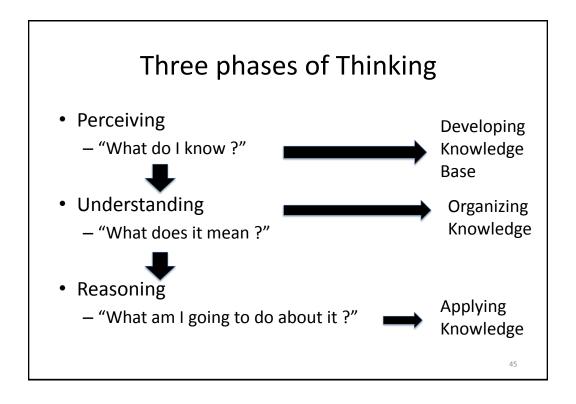


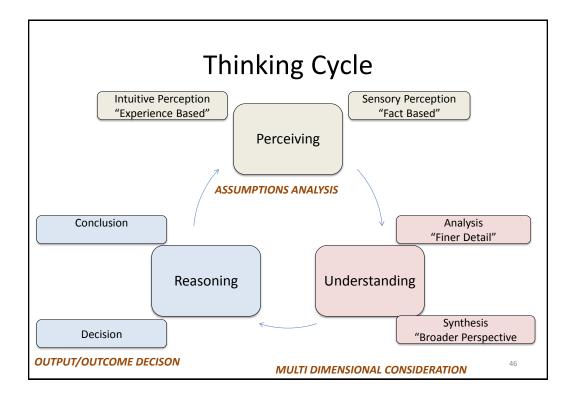


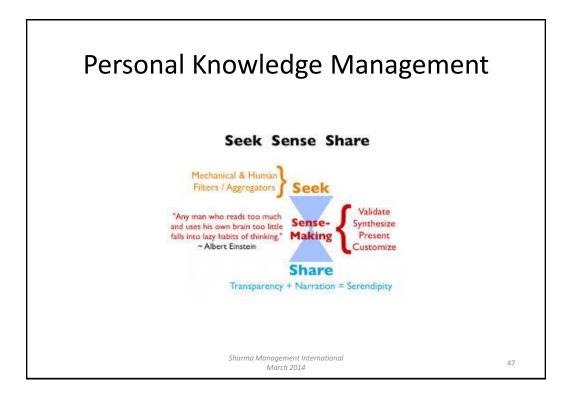


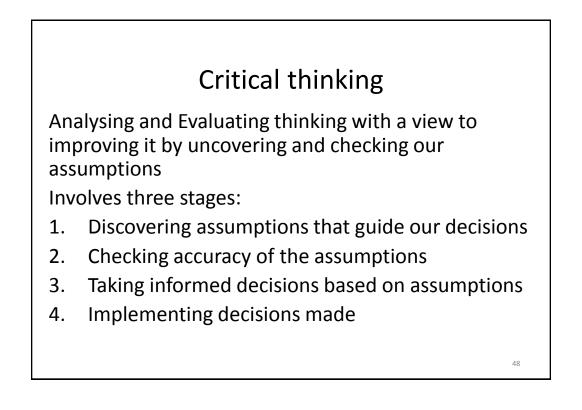


October 2014









## Requirements for critical thinking



CAREFUL, INTENTIONAL THINKING

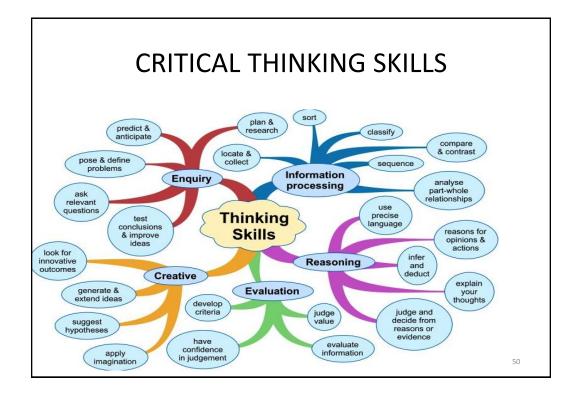


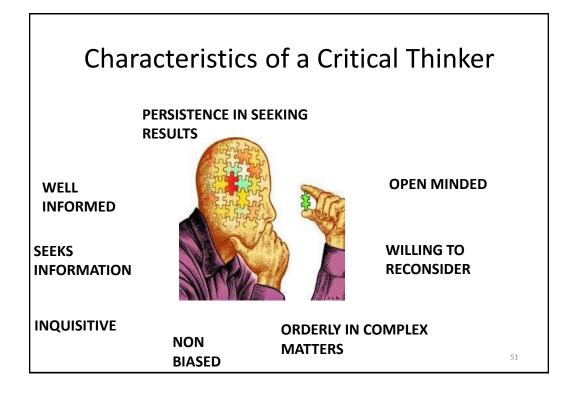
USE OF REASON OR LOGIC

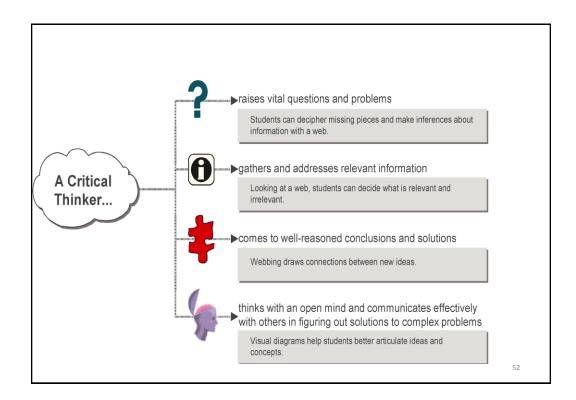


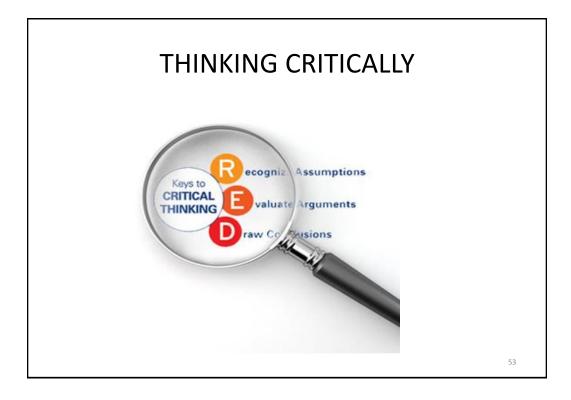
APPLICABLE TO REAL LIFE ISSUES

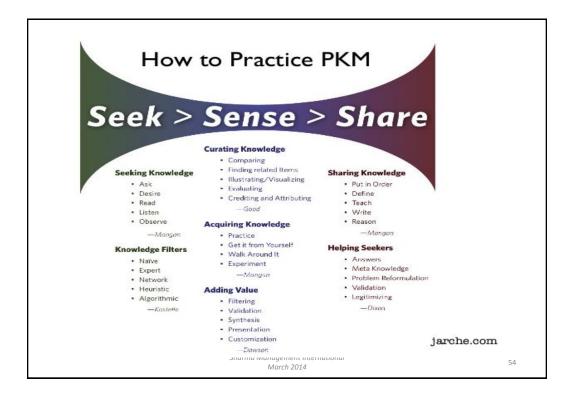
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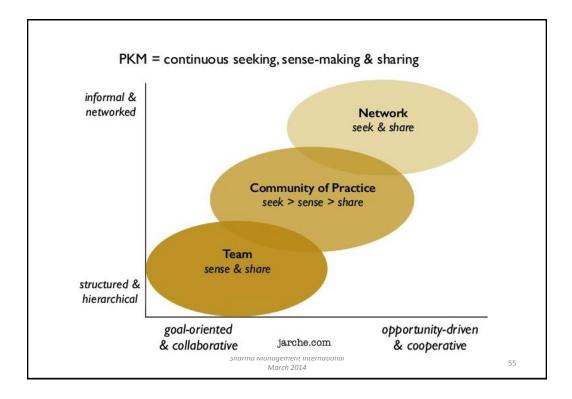


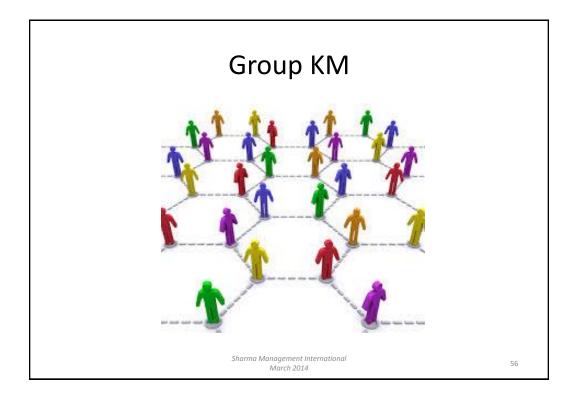




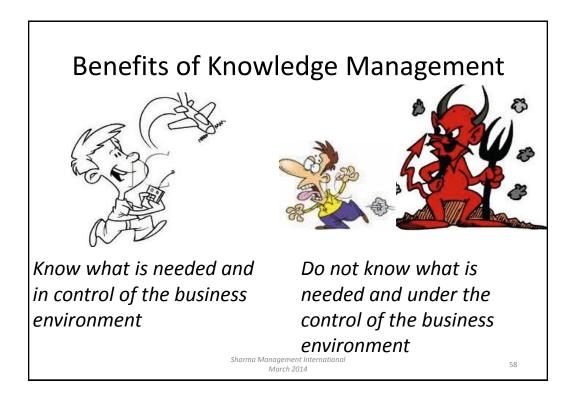


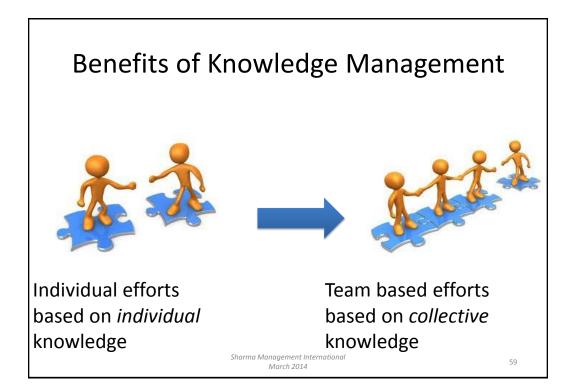


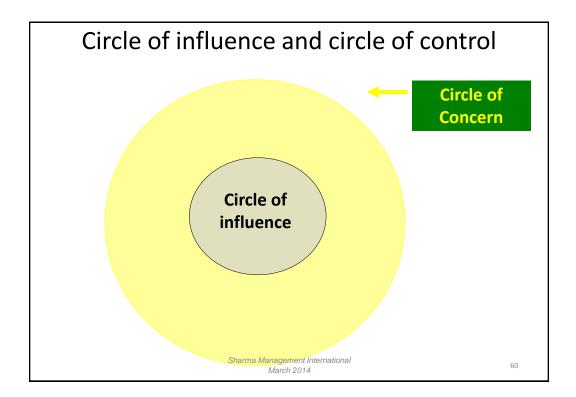


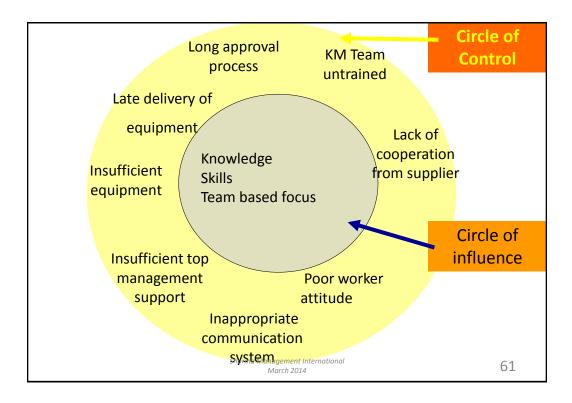


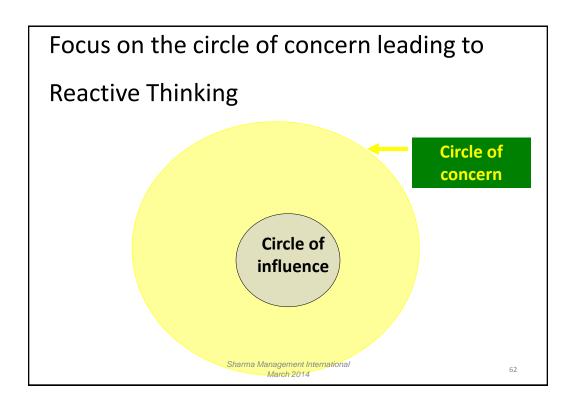


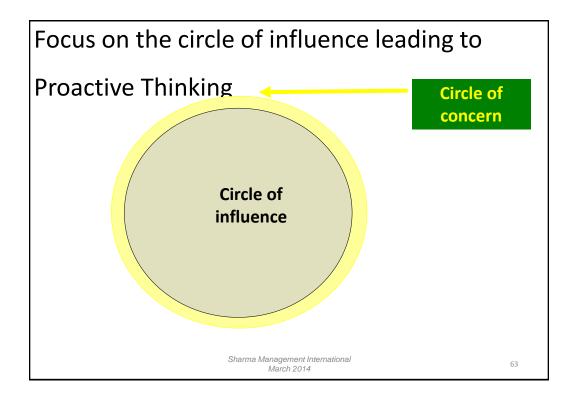


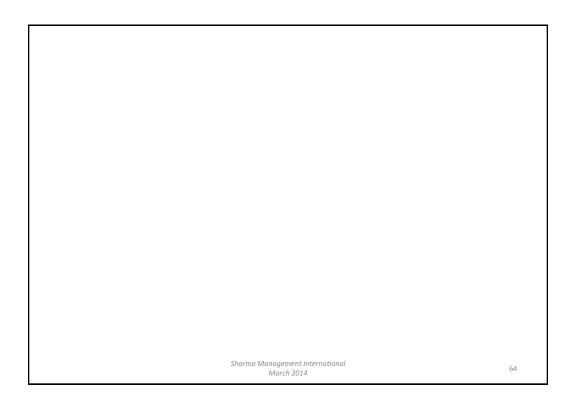


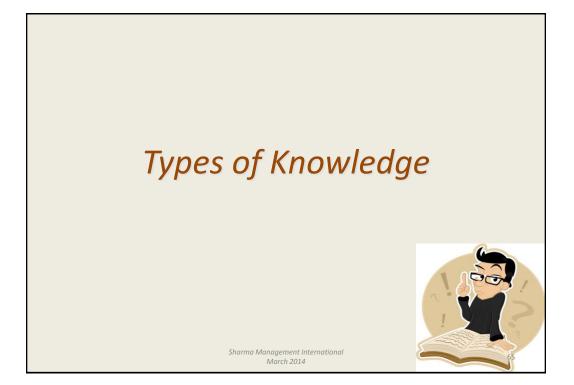


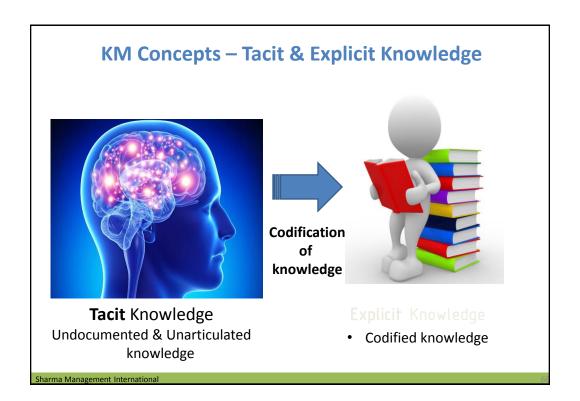


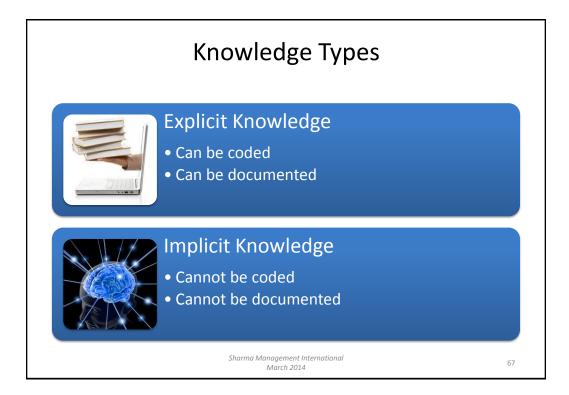


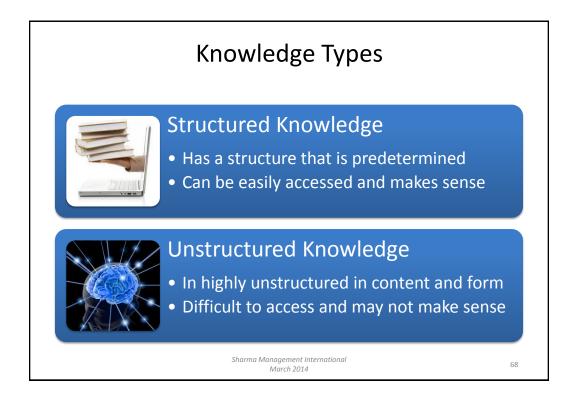








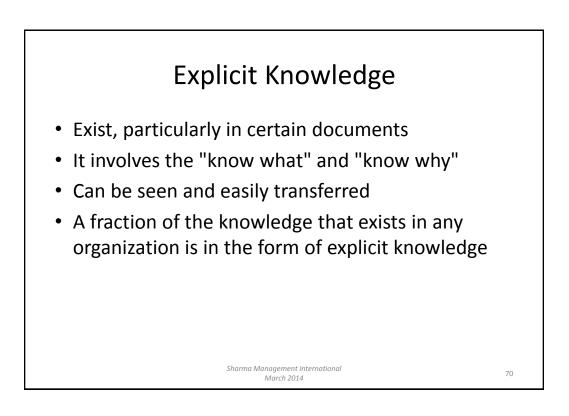


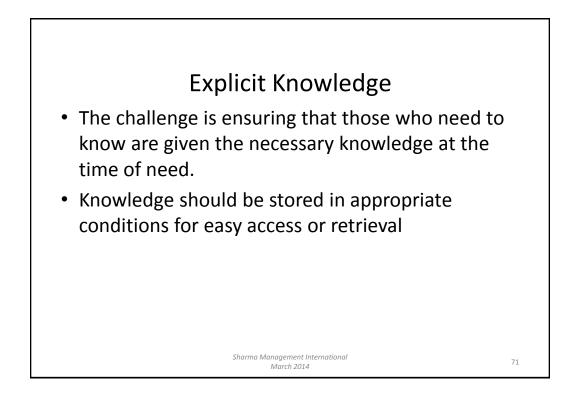


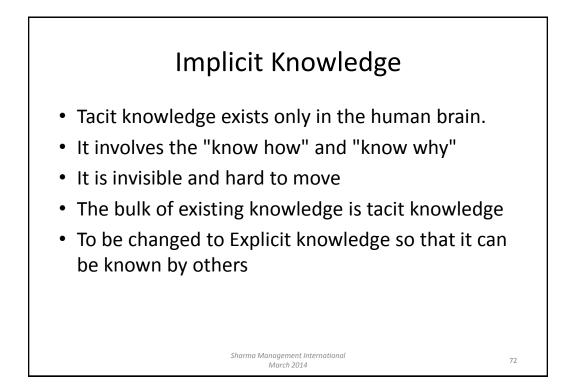
## Explicit Knowledge

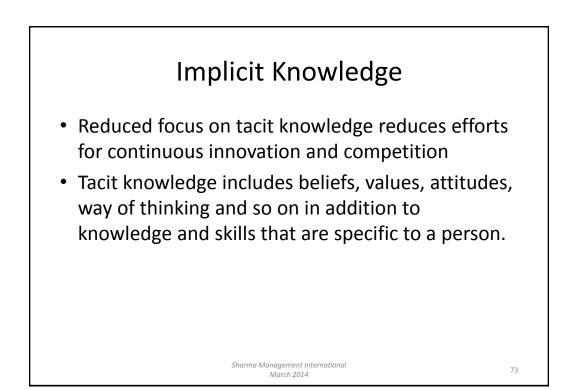
- Knowledge of this type is formal and can be encoded, sometimes known as "know what".
- May be identified, stored and issued
- Can be managed easily by knowledge management system, which is able to ensure storage, retrieval and modification of documents containing knowledge

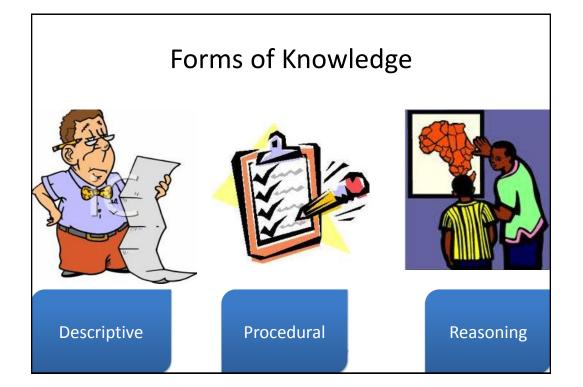
Sharma Management International March 2014

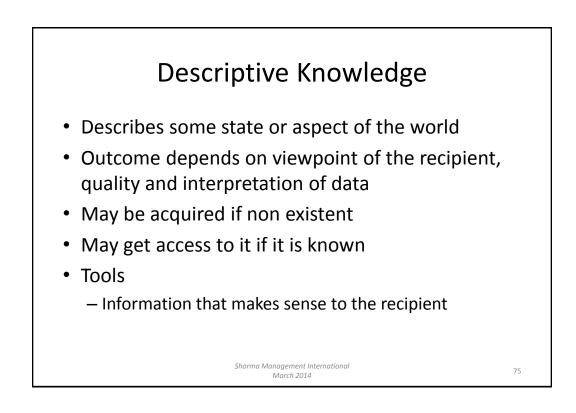


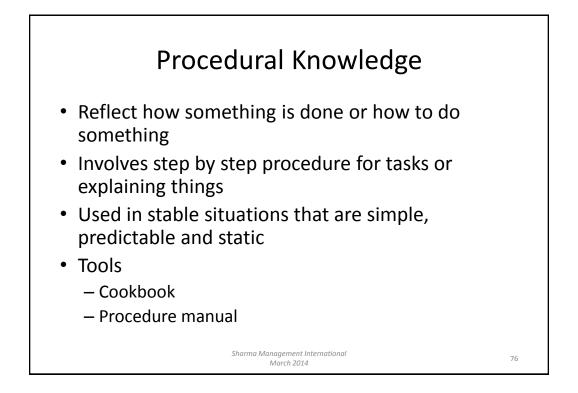


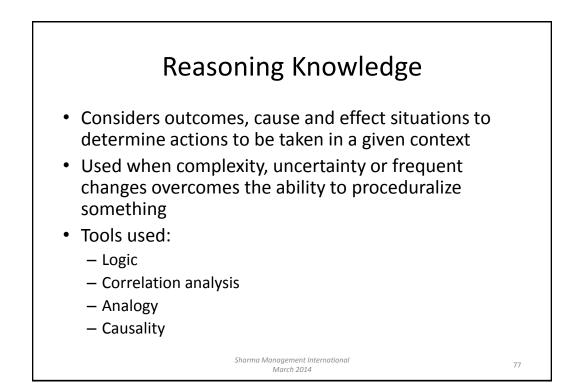




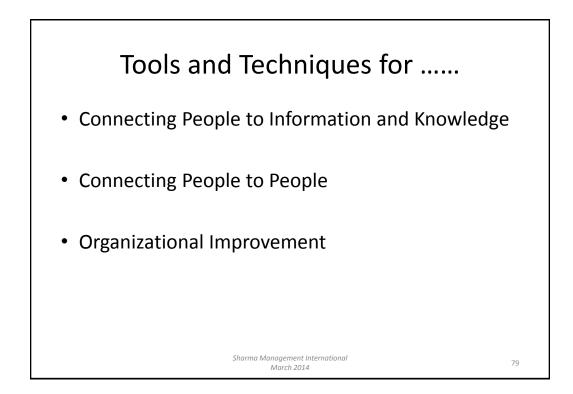


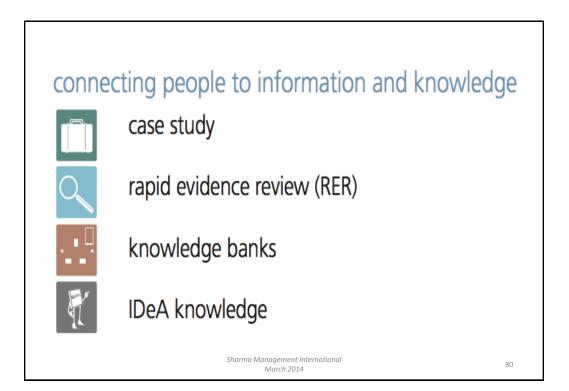








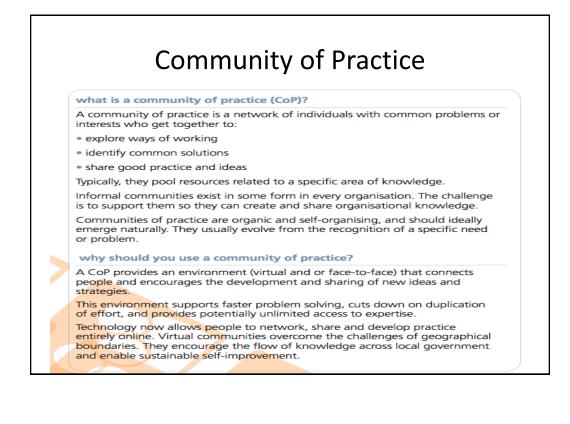


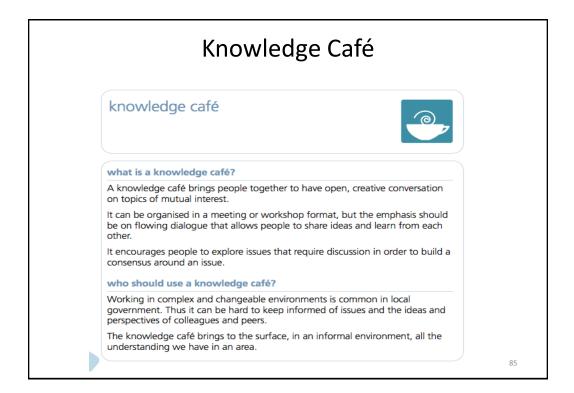




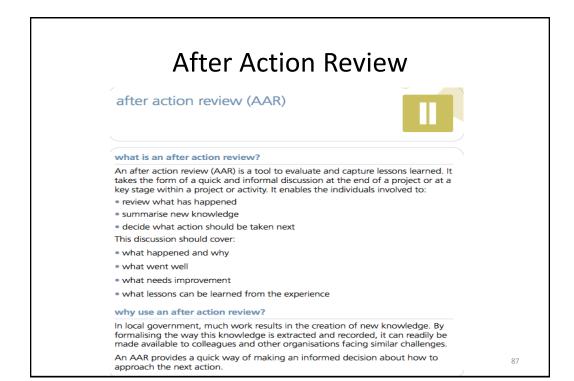


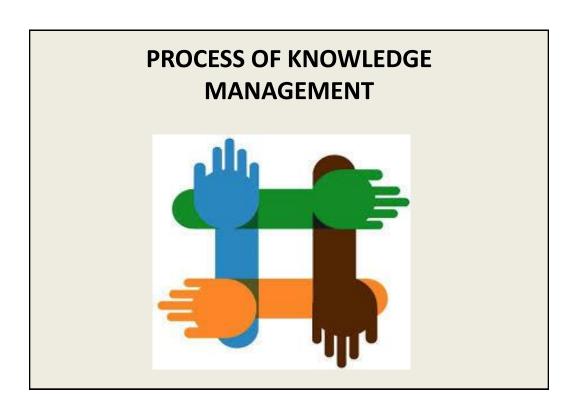
Portfolio of KM tools, techniques and resources
connecting people to information and knowledge
case study
rapid evidence review (RER)
knowledge banks
TDeA knowledge
connecting people to people
communities of practice (CoP)
>> peer assist
knowledge café
knowledge marketplace
organisation improvement
gone well/not gone well
after action review (AAR)
retrospective review
S knowledge exchange
1Viarch 2014

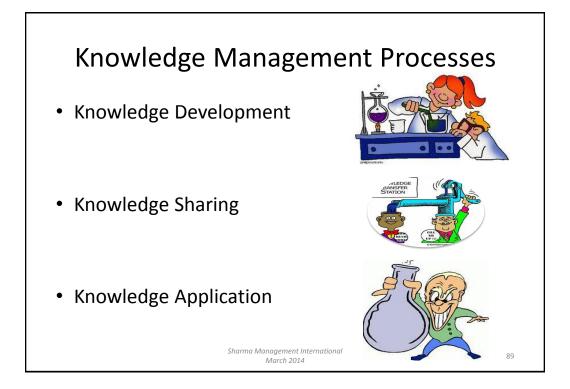


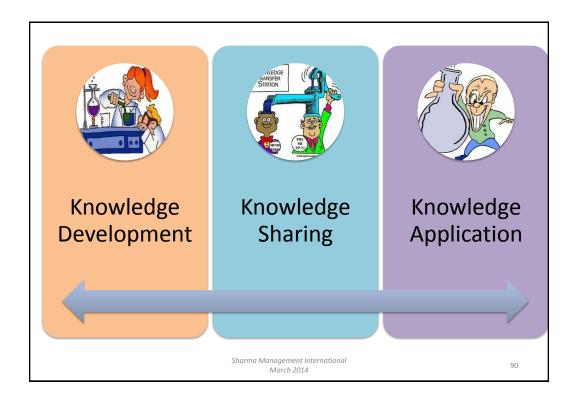


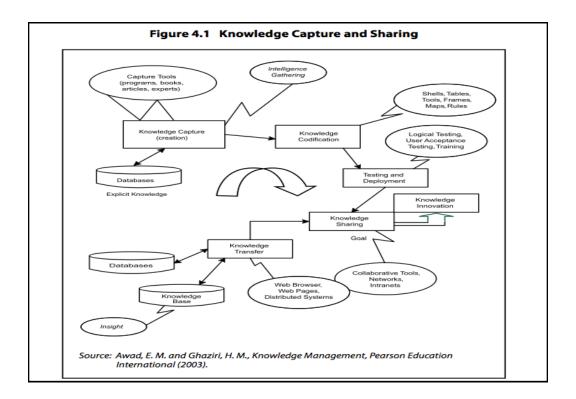


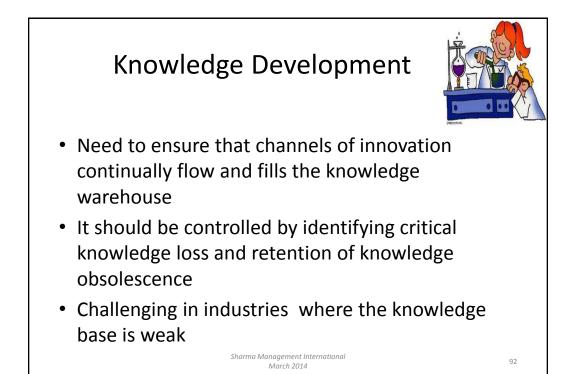










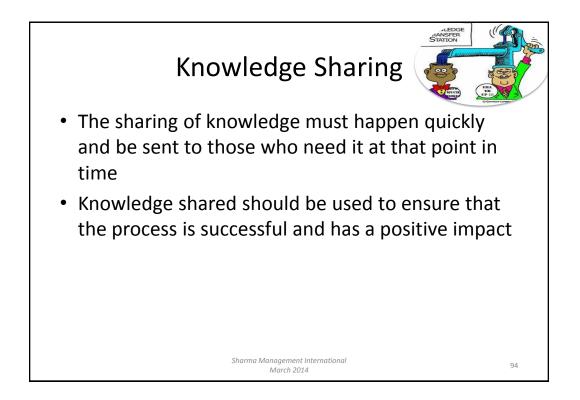


## Knowledge Development

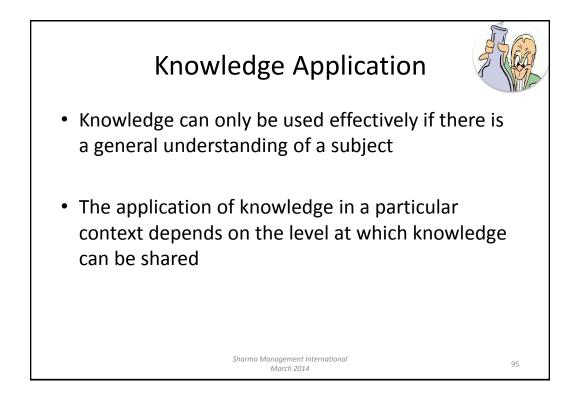
Knowledge production can occur from the formation of new knowledge based on experience in a field of work.

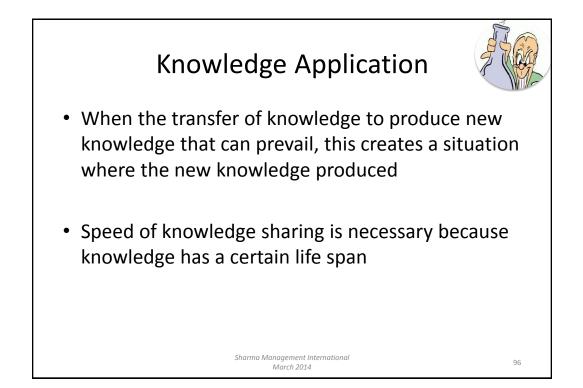
The production of this knowledge can be used with other knowledge in other fields that can be distributed and used in different applications.

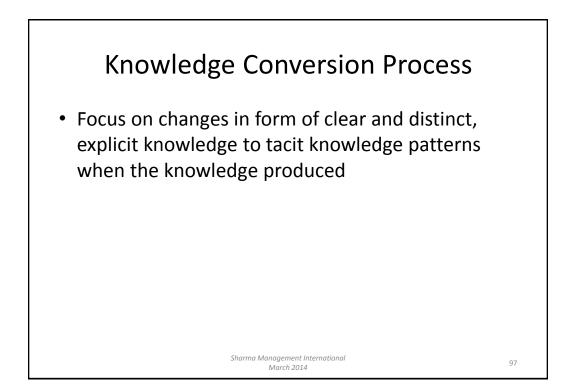


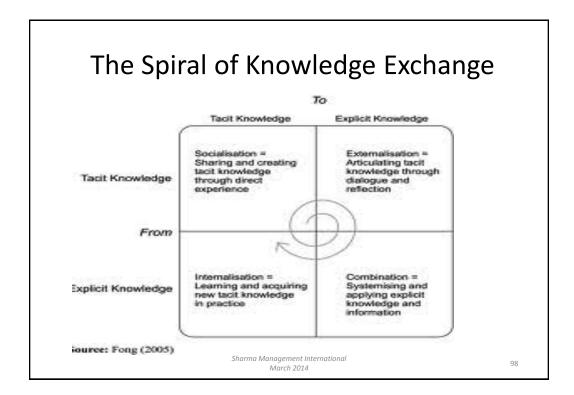


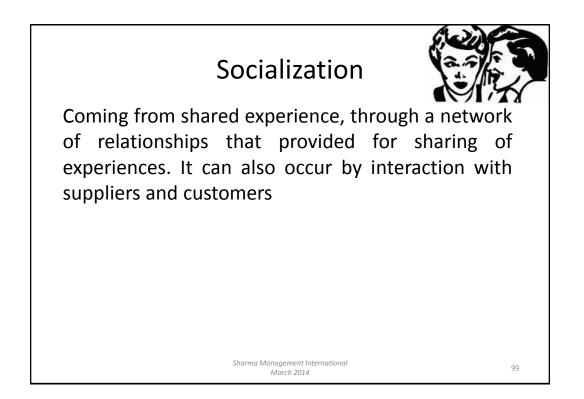
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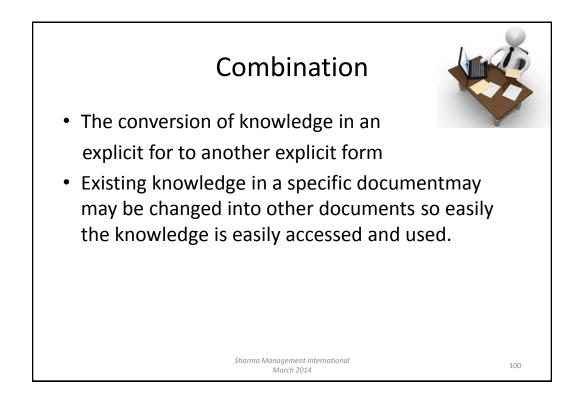


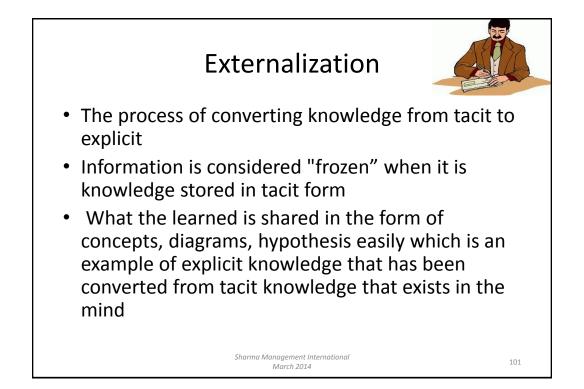


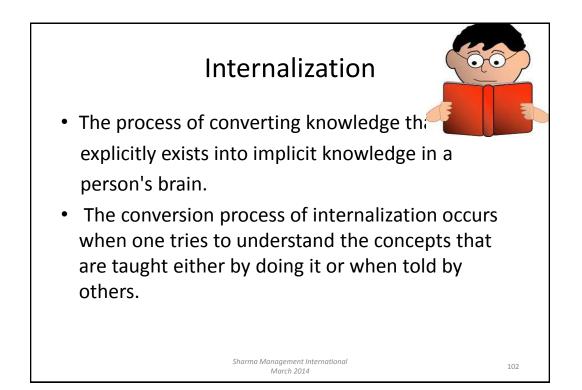


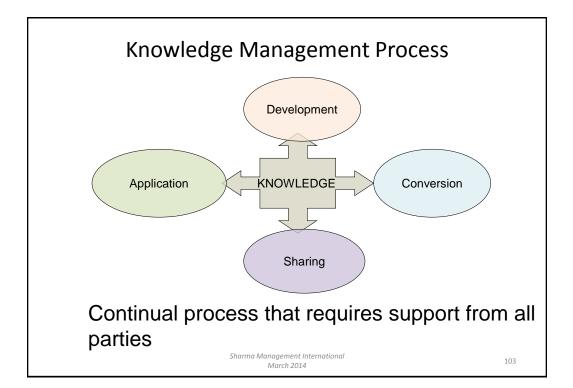


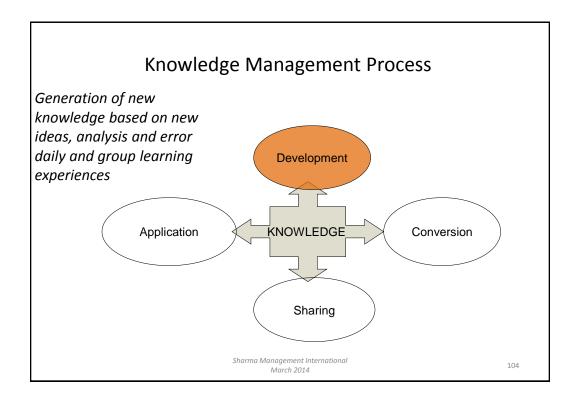


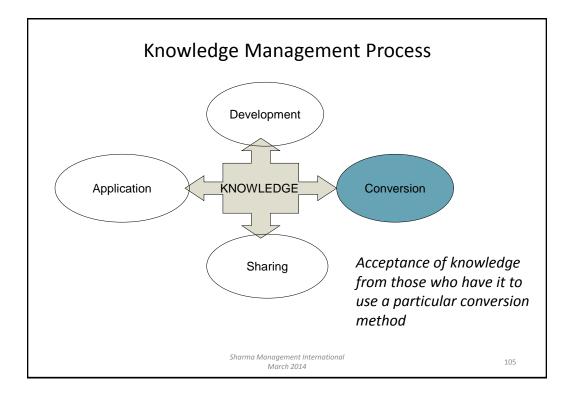


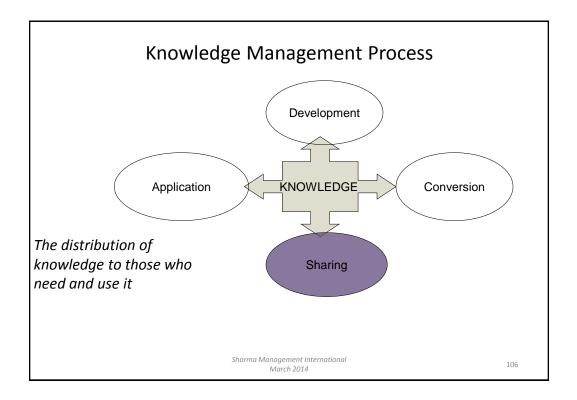


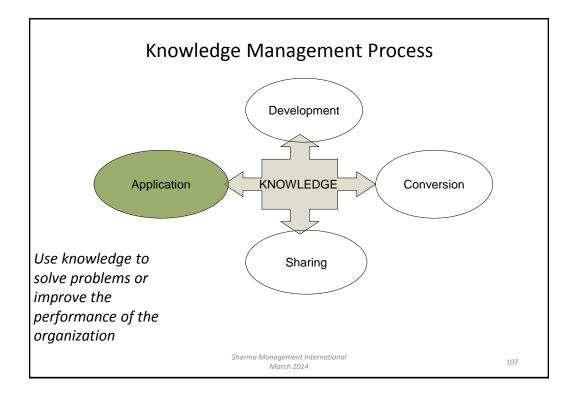


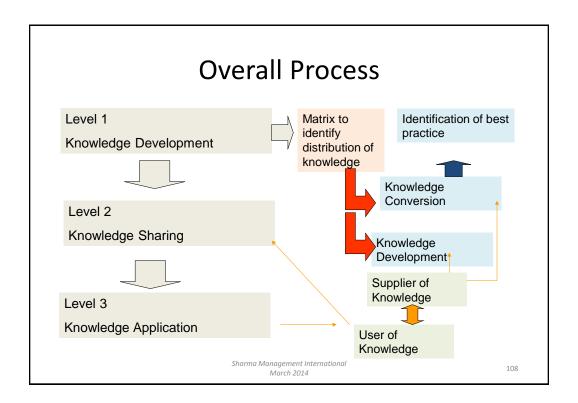


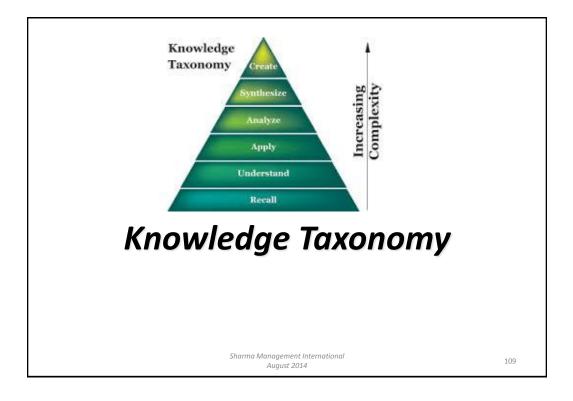


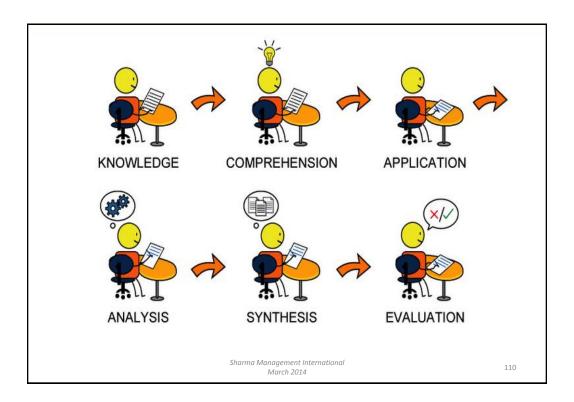


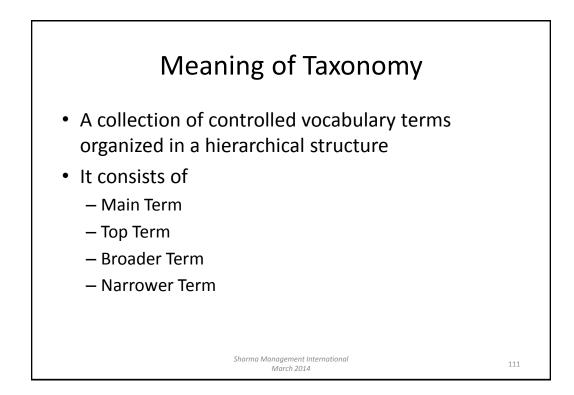


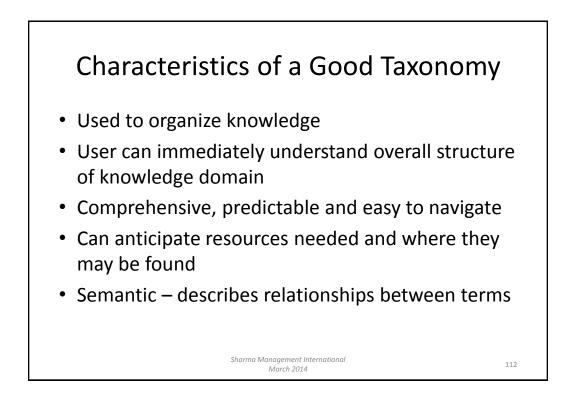


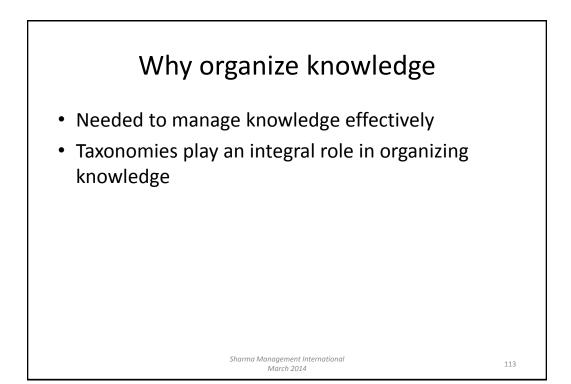


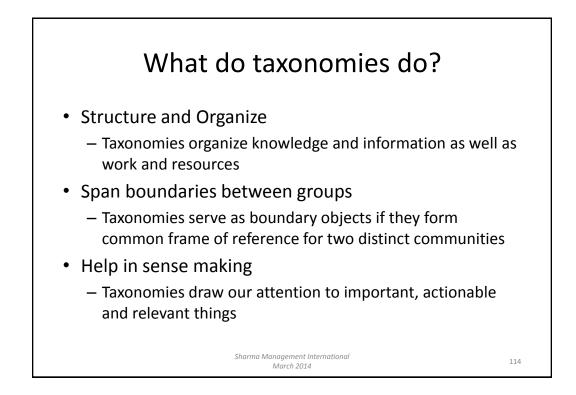


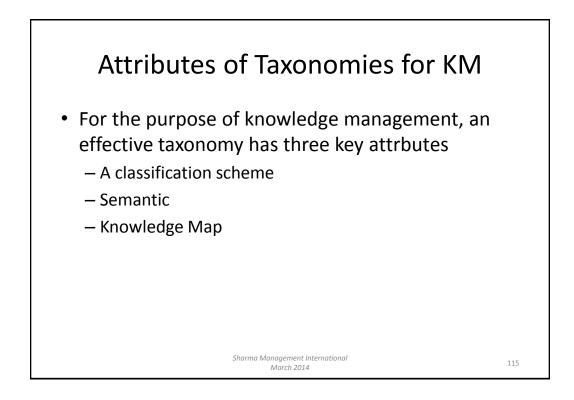


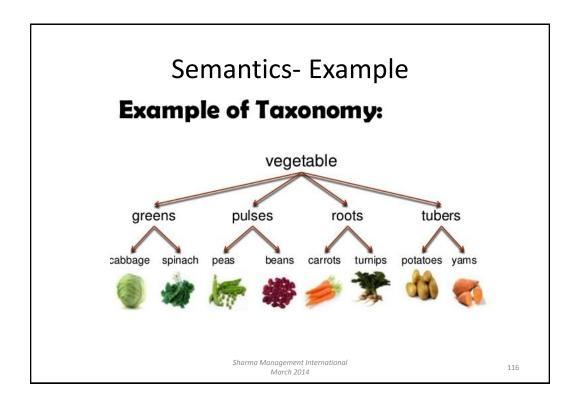


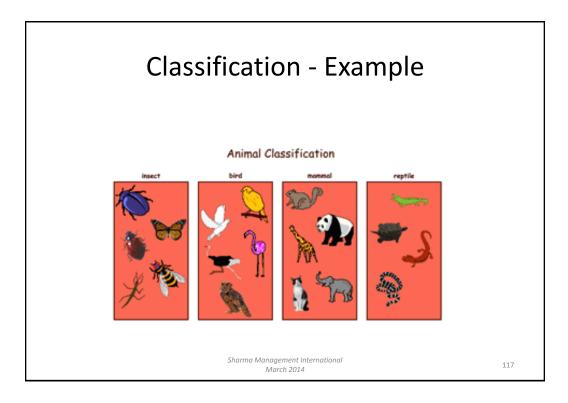




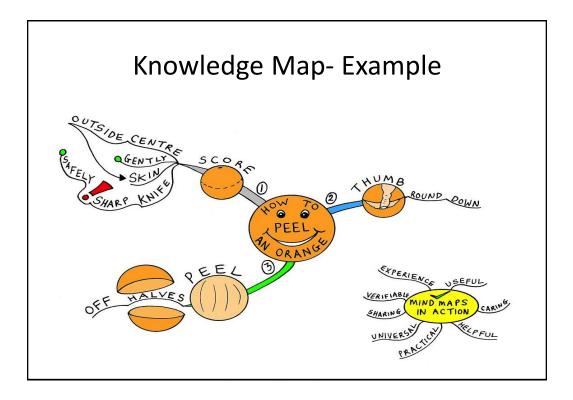


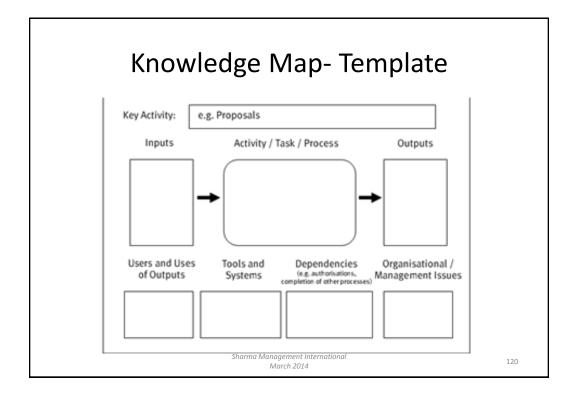


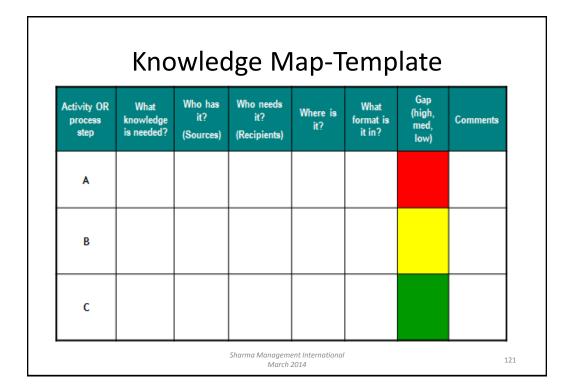


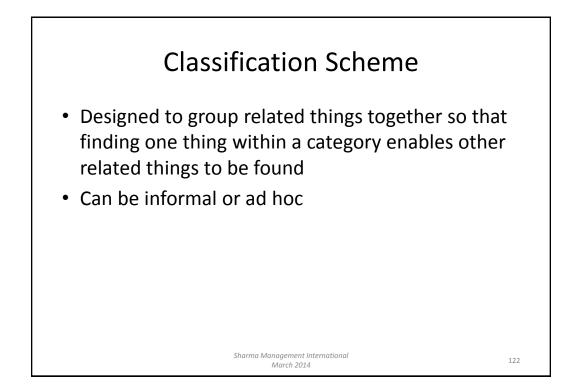


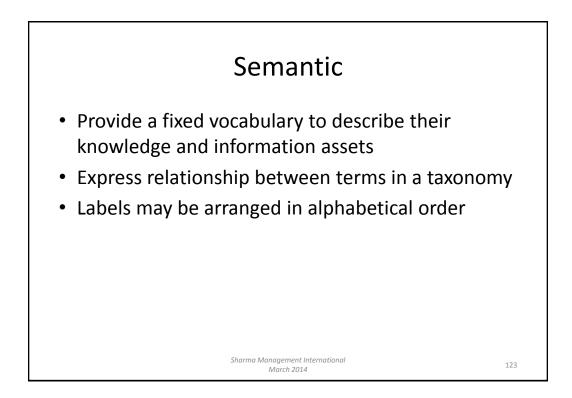
Classification- Template				
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		file.		
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		Team the file is		
		referencing.		
Event	Event Name	The name of the		
		Event the file is		
		referencing.		
Area	Area Name	The name of the		
		Area the file is		
		referencing.		
Title	25 Characters Maximum	The Title given to		
		the file.		
Date Created	mm-dd-yyyy	The Date the file		
		was Uploaded (not		
		necessarily made).		

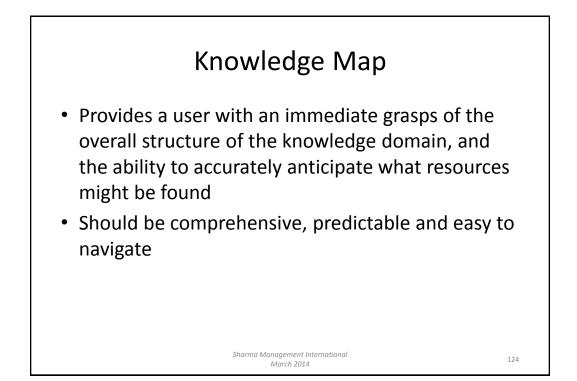


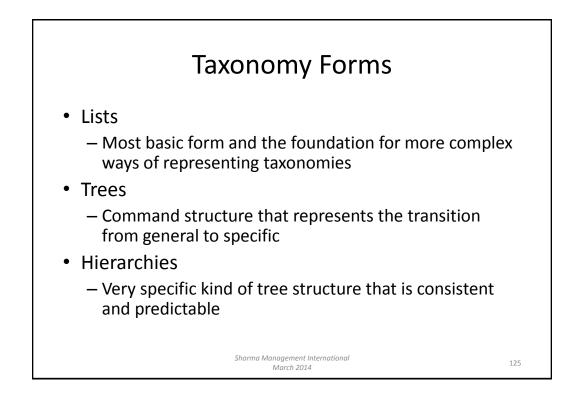




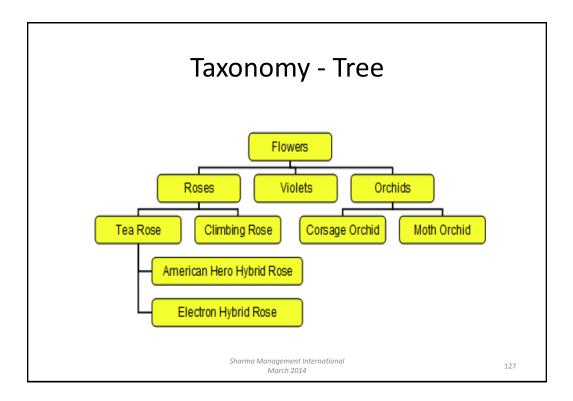


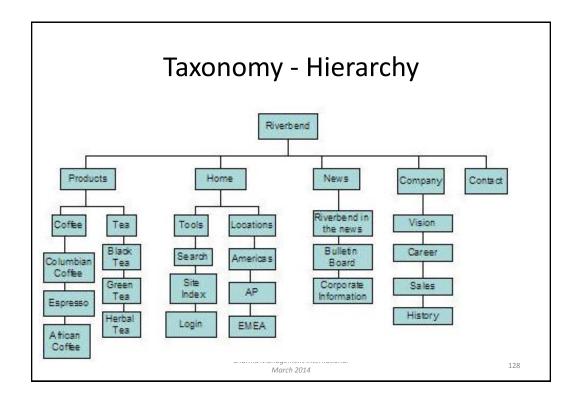


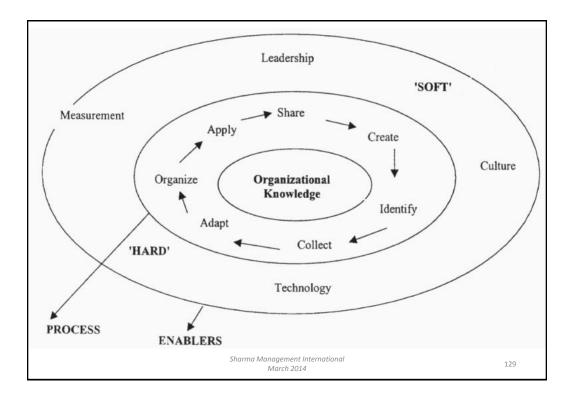


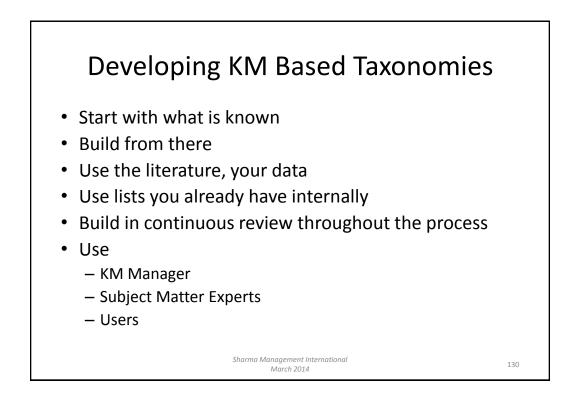


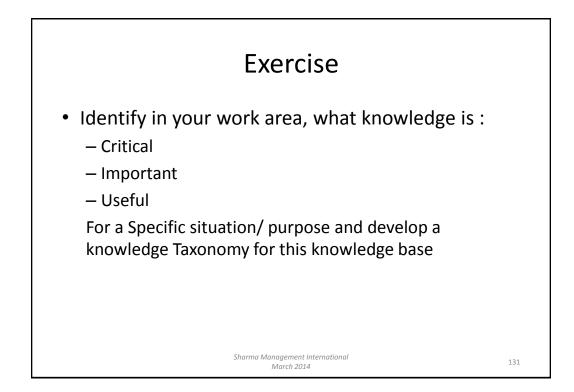
	٦	axon	omy -	Lists		
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name	predict	solve	examine	choose	create	
tell	explain	show	compare	decide	invent	
list	outline	illustrate	contrast	recommend	compose	
describe	discuss	complete	investigate	assess	plan	
relate	restate	examine	categorize	justify	construct	
write	translate	<b>US</b> 2	identify	rate	design	
find	compare	classify	explain	prioritize	Imagine	
		classify		prioritize		



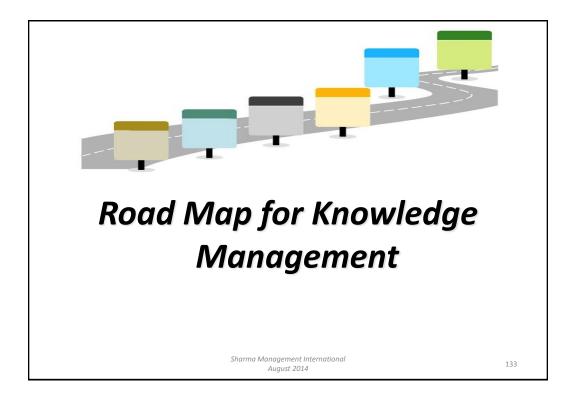


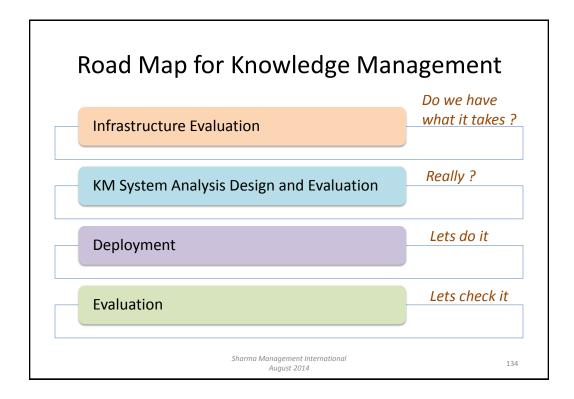


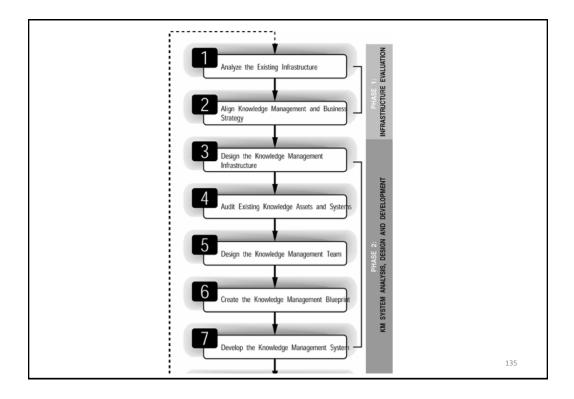


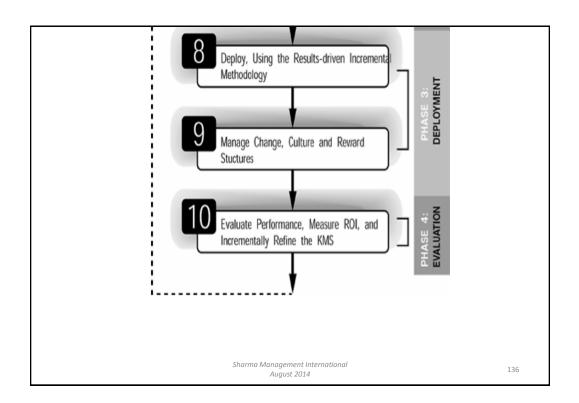


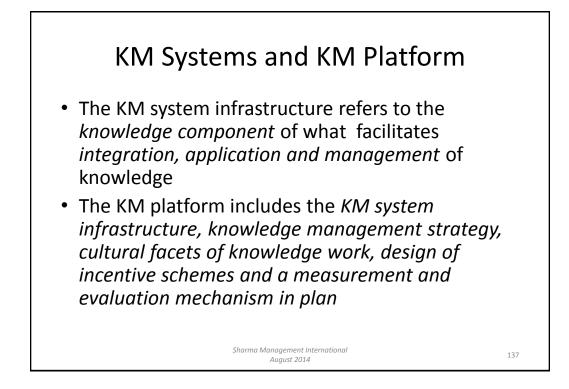
	Knowledge Taxonomy						
CRTICAL	IMPORTANT	USEFUL					
	Sharma Management Internatio March 2014	anal 132					

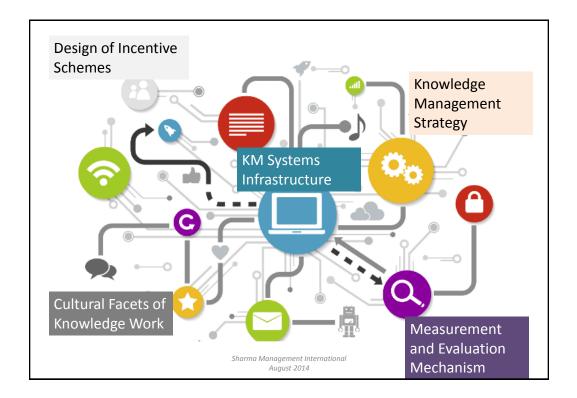


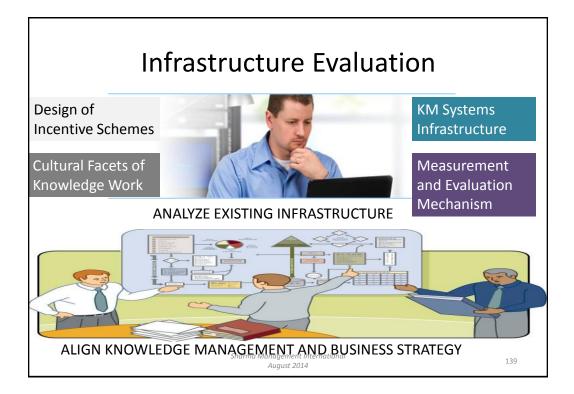


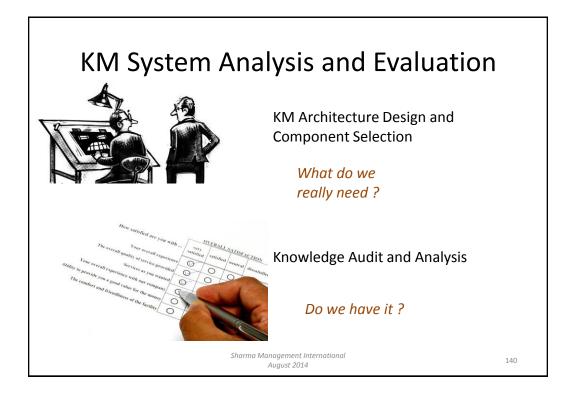


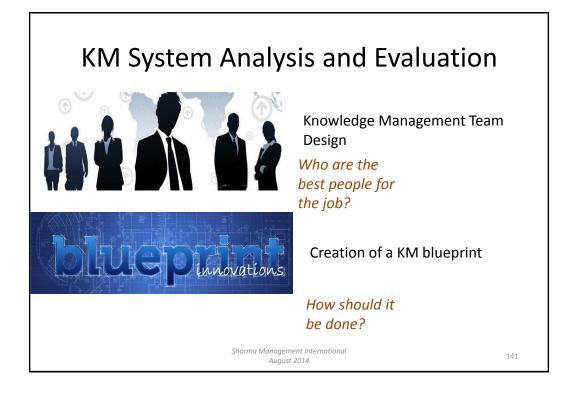


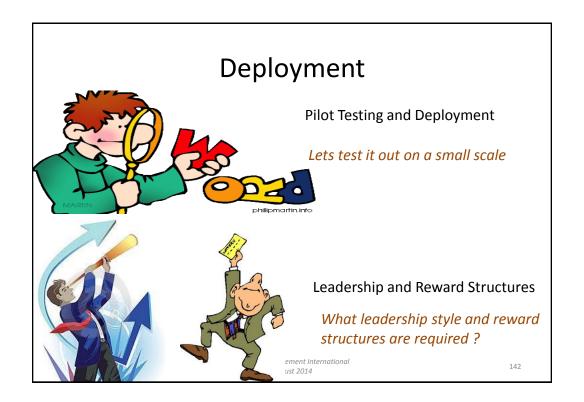












## Metrics for Evaluation



Measuring Return on Investment, ROI

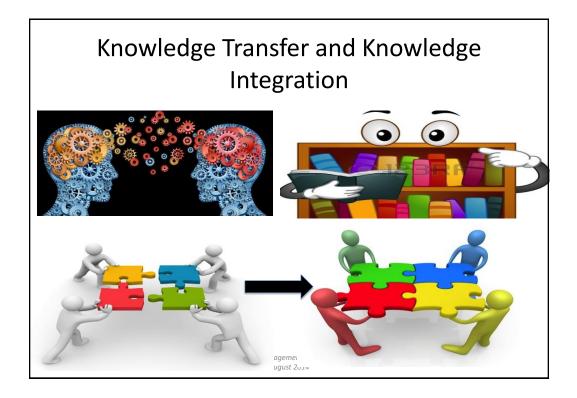
Was it worth the money and time spent ?

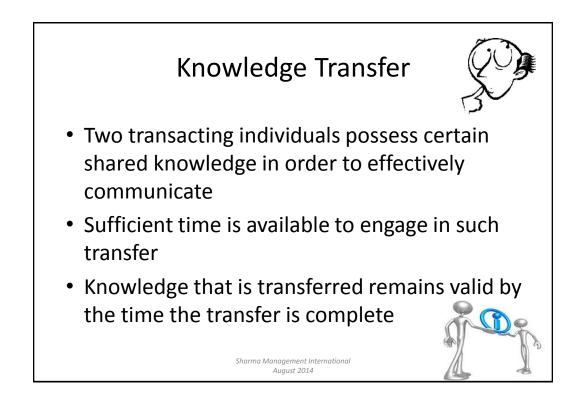
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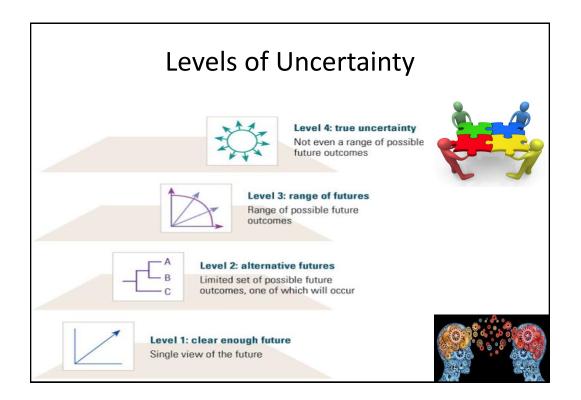
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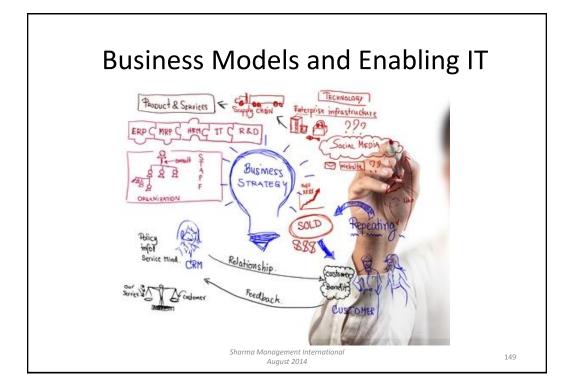




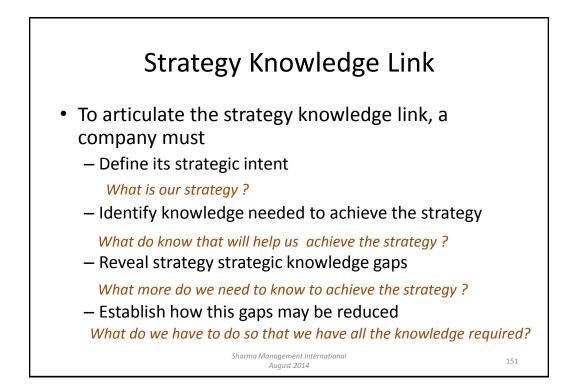


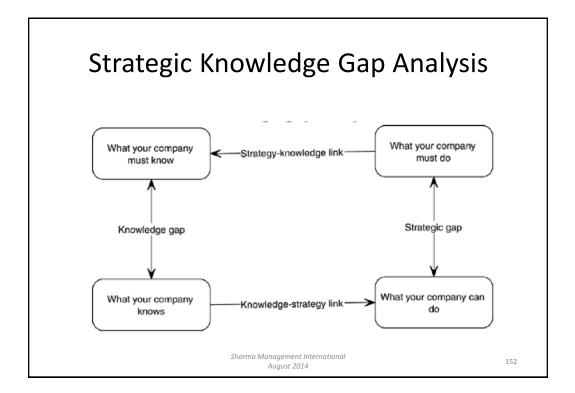




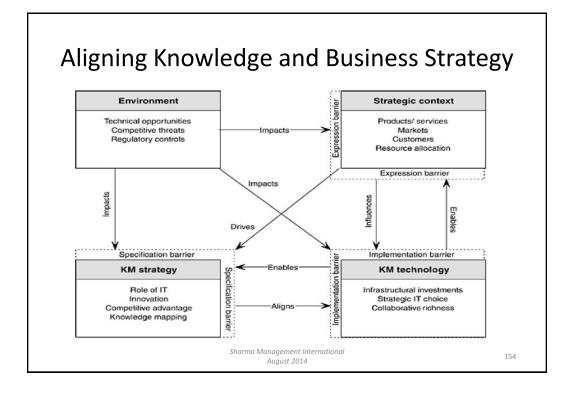


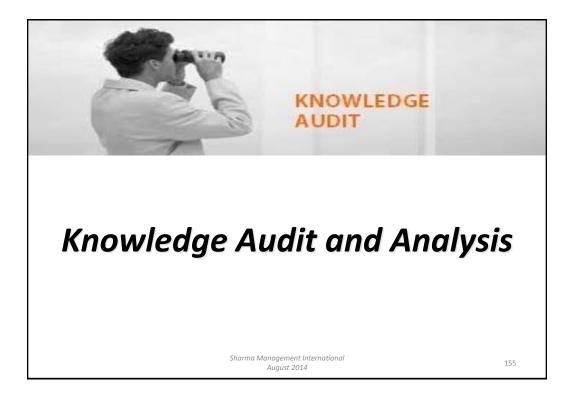


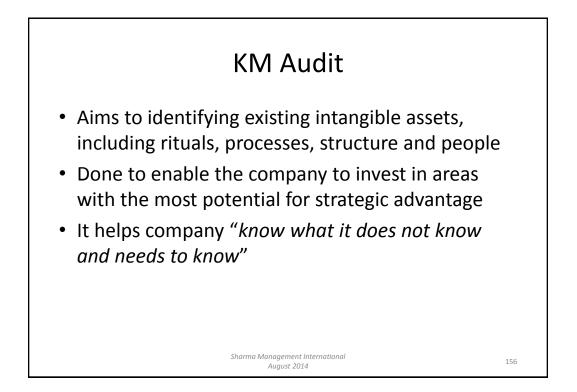


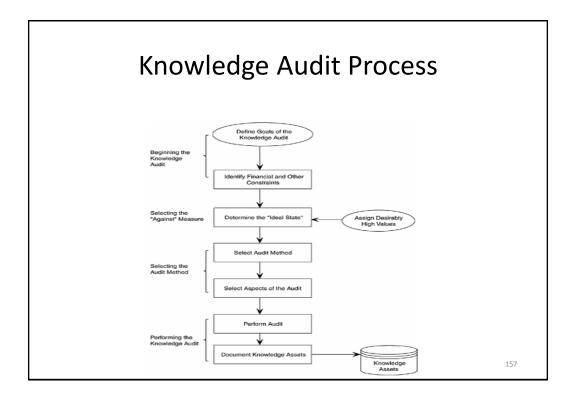






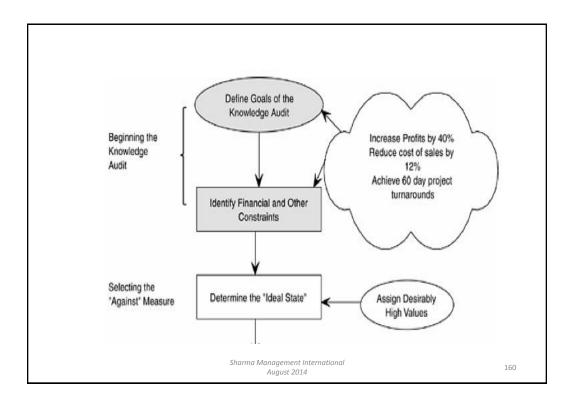


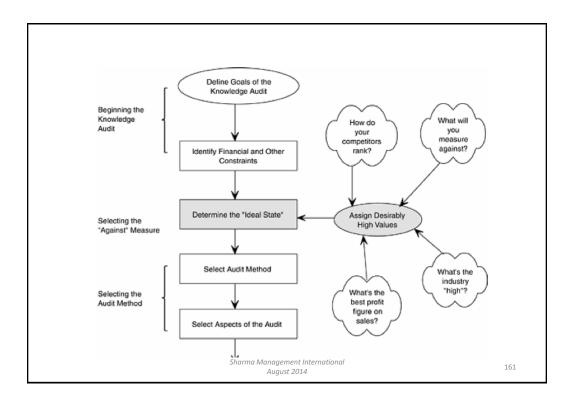


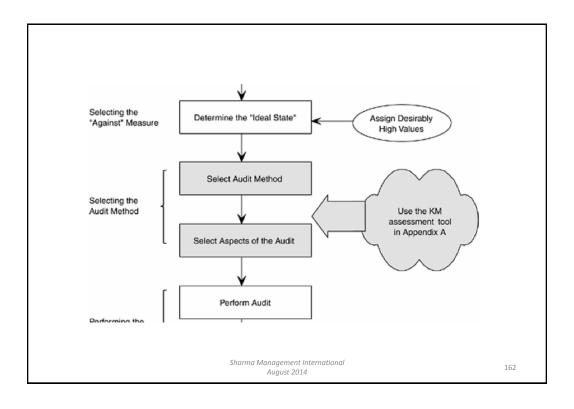


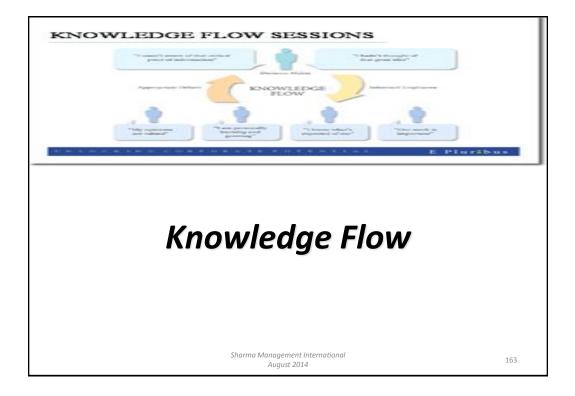
Measuring Knowledge Growth							
Table 8-1. Bohn's Stages of Knowledge Growth							
Stage	Name	Comment	Typical Form of Knowledge				
1	Complete ignorance	Nothing known.	Does not exist anywhere.				
2	Awareness	Resembles pure art.	Knowledge is primarily tacit.				
3	Measure	It's pretechnological.	Knowledge is primarily written.				
4	Control of the mean	A scientific method is feasible.	Written and embodied in hardware.				
5	Process capability	A local recipe exists	Hardware and operating manuals.				
6	Process characterization	Tradeoffs to reduce costs are known.	Empirical equations (quantitative).				
7	Know why	Takes on the form of science.	Procedures, methodologies, scientific formulas, and algorithms.				
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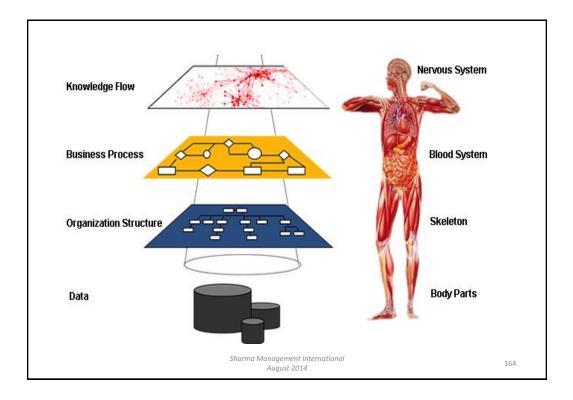


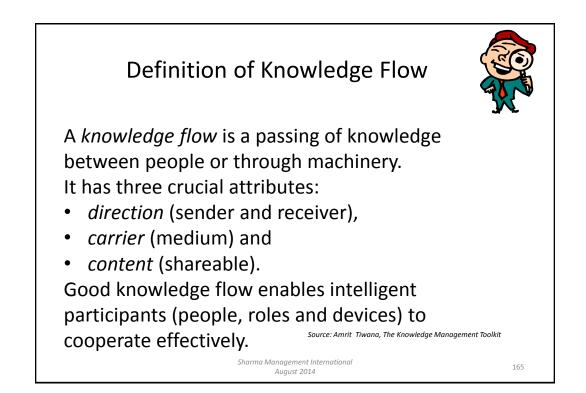


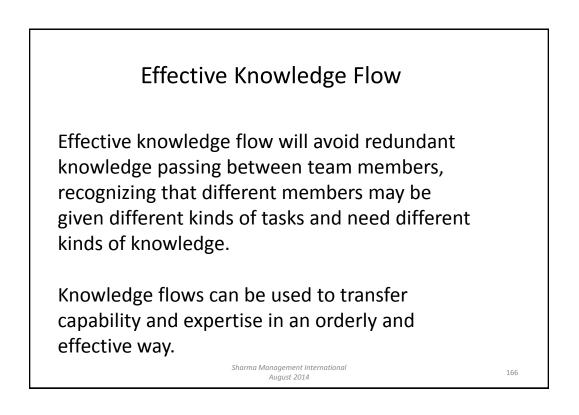


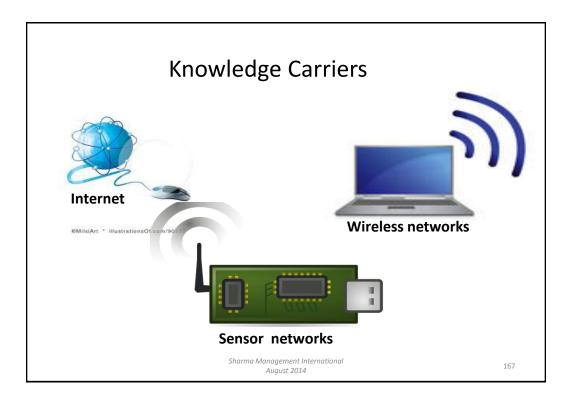


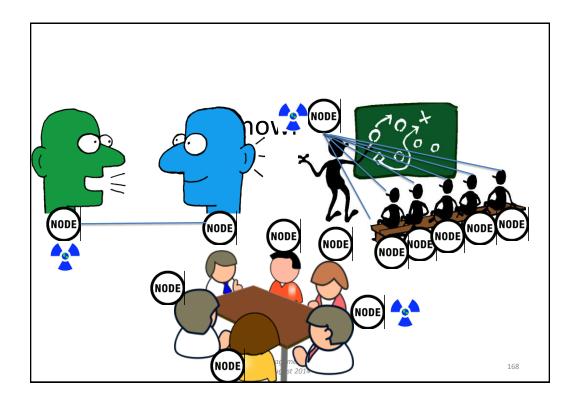


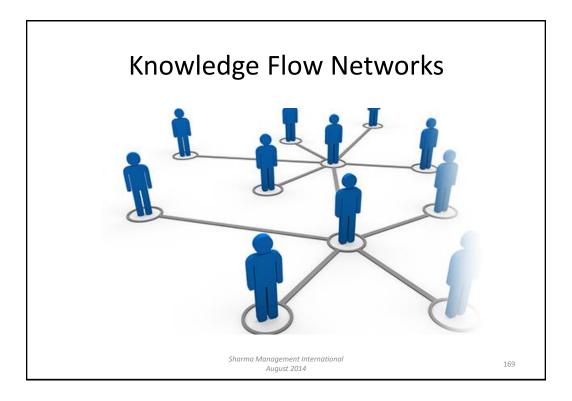




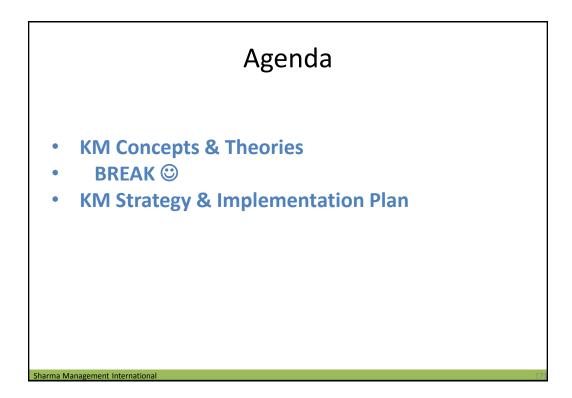




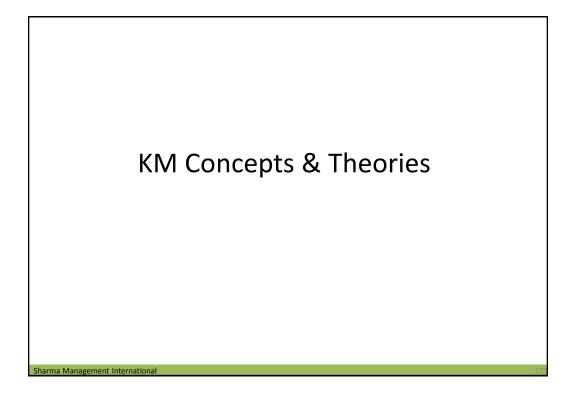


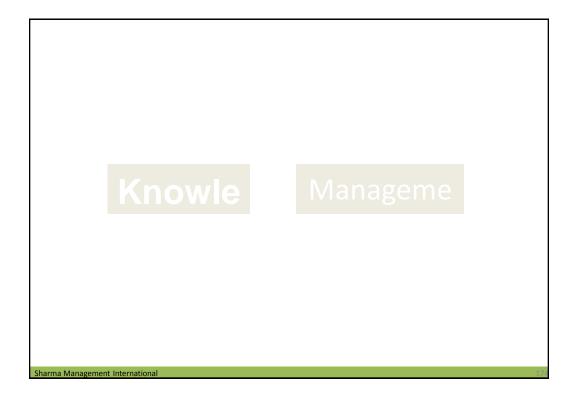


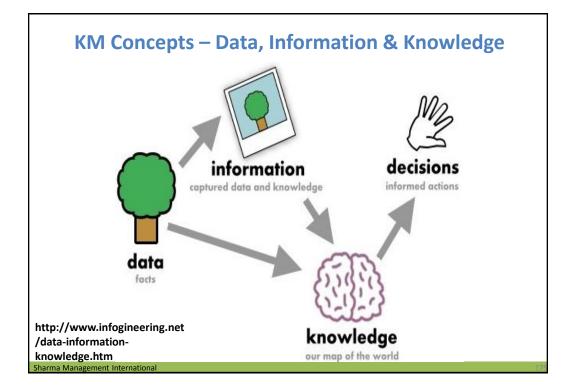


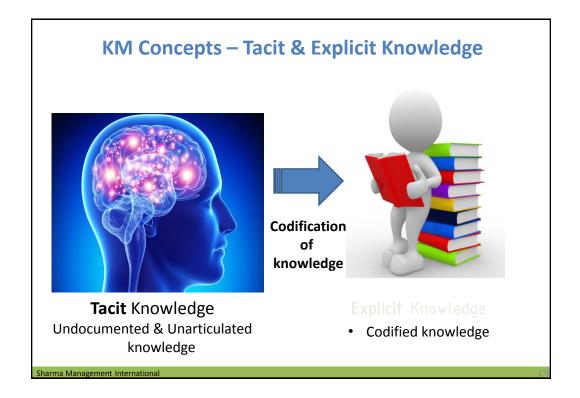


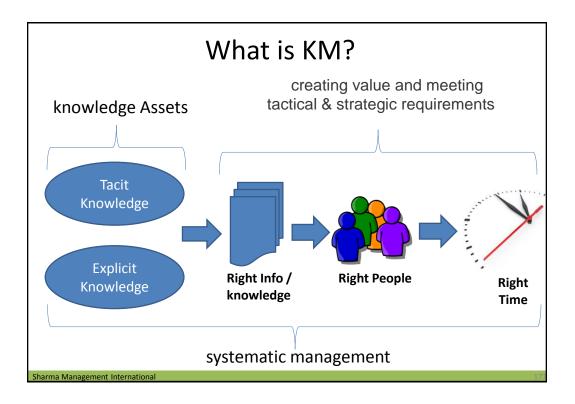


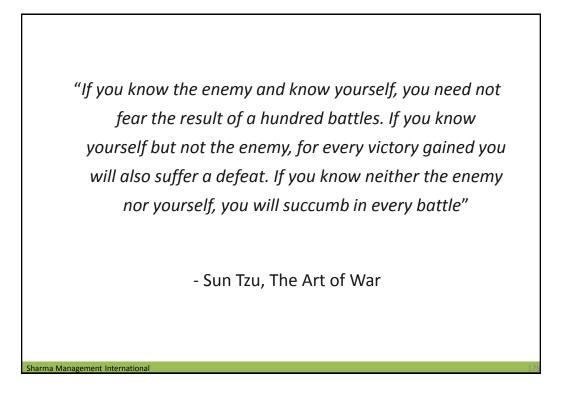


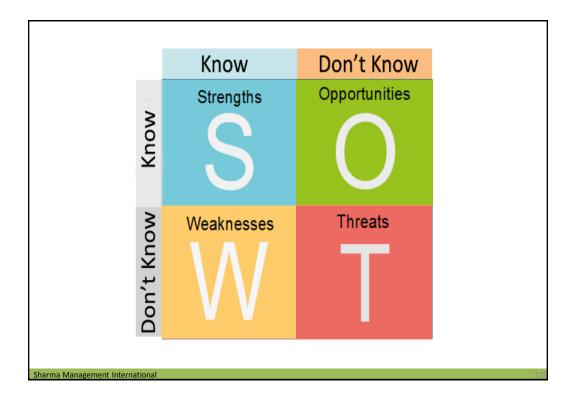












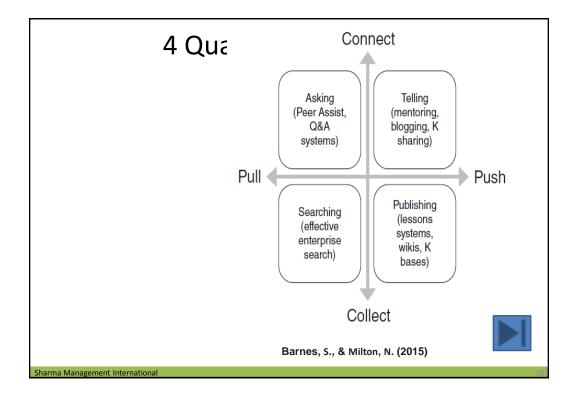


### Evidence of Knowledge Managed Sub-Optimally • Why do we keep having to relearn this?

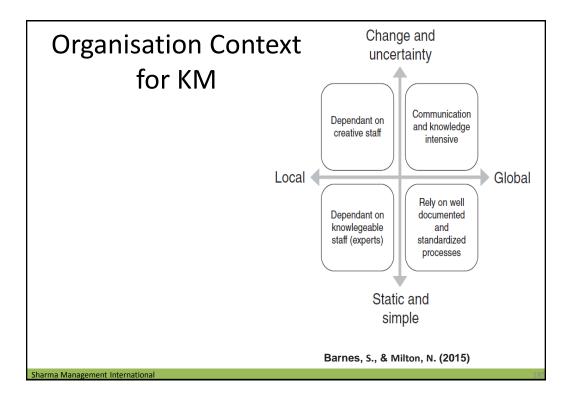
- How do I know where to find this knowledge
- I'm sure I heard someone mention that to me the other day, now who was it?
- Someone must have done this before—but who?
- When that guy left, he took all that knowledge with him
- It was pure luck that I met John he/she had just the answer I was looking for
- That went very well-how do we repeat that success?
- We made this mistake in our other office too

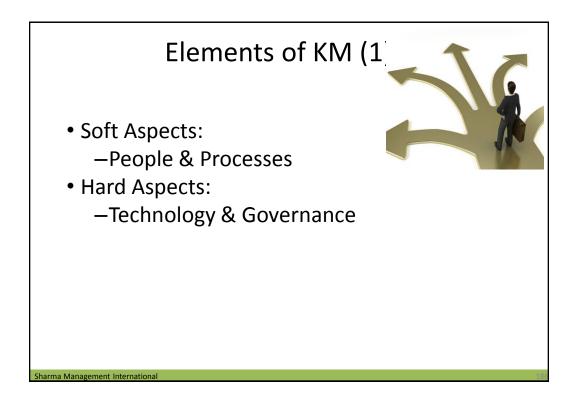
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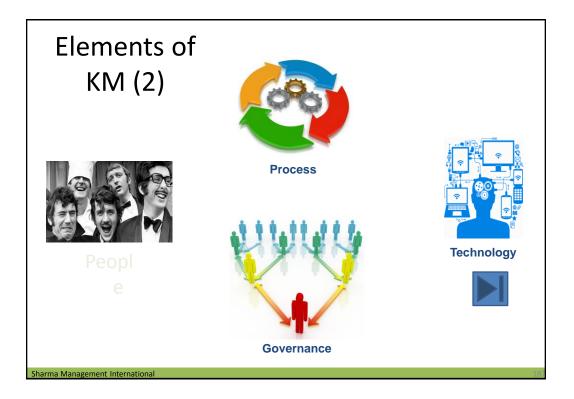


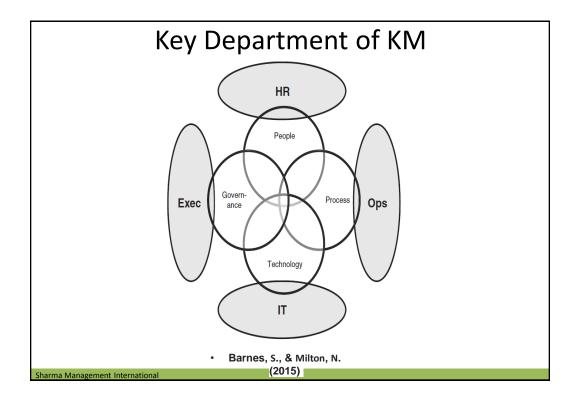


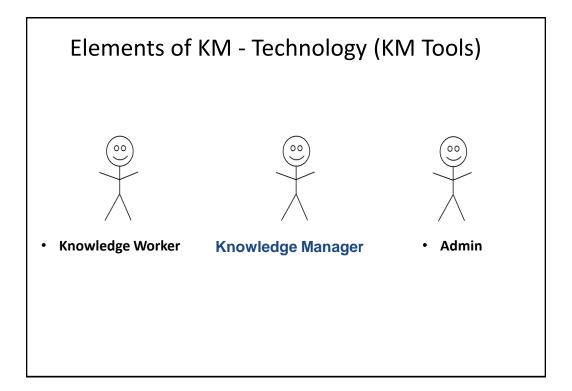




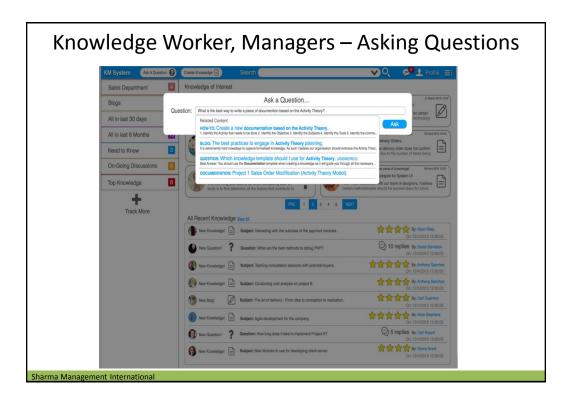


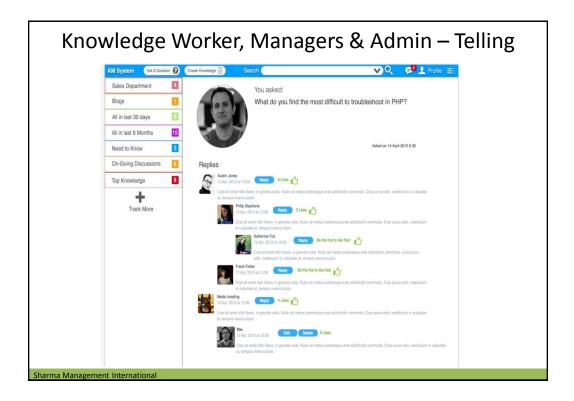


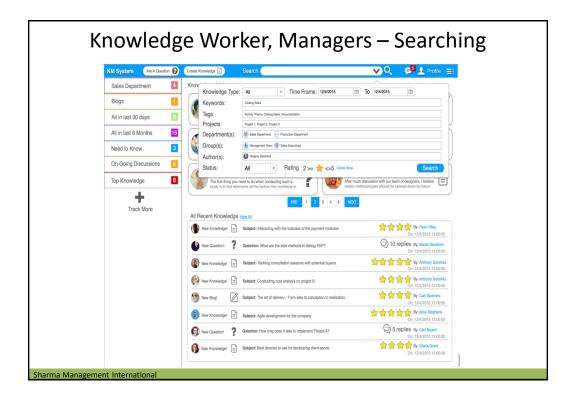


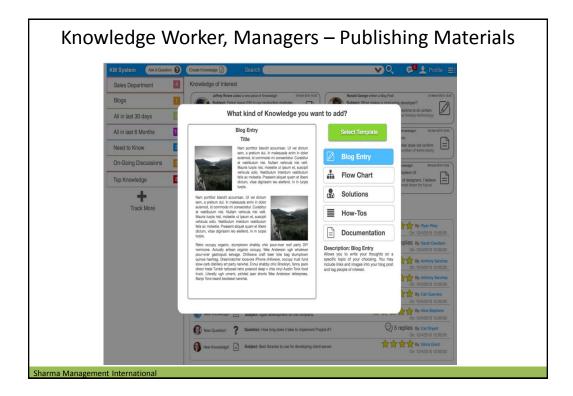


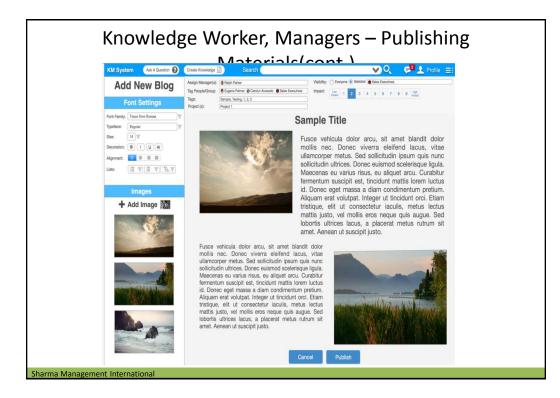


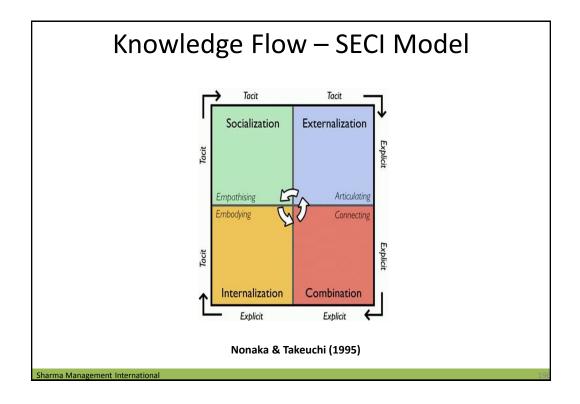


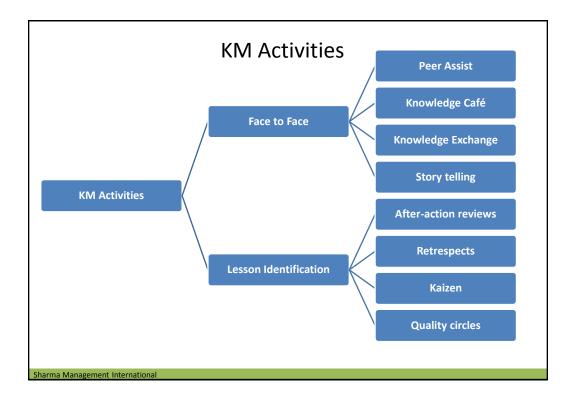


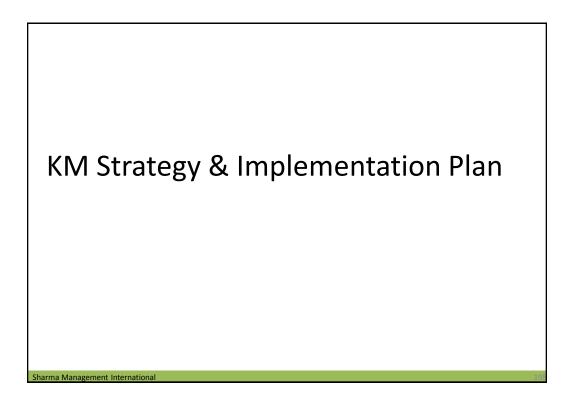


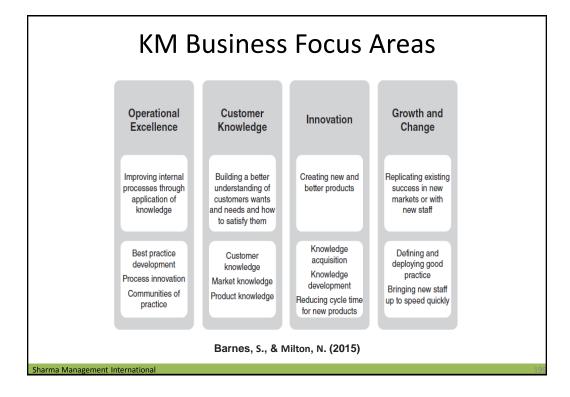










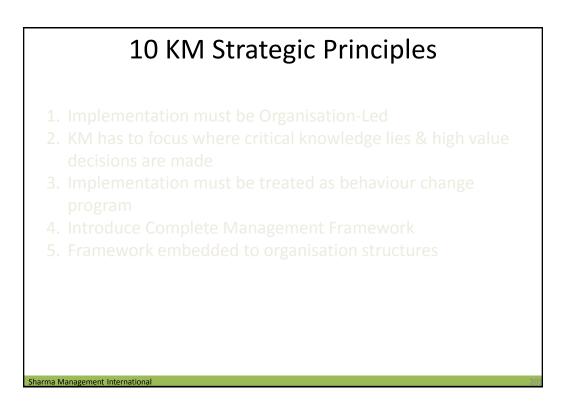


### **KM Business Focus Areas**

Demographic	Operational excellence	Customer knowledge	Innovation	Growth and Change
Aging workforce	Retention of operational knowledge to protect core operational capability	Retention of customer knowledge to protect core sales and relationships	Retention of innovative capability	Retention and deployment of operational and customer knowledge to protect core operational capability and sales relationships
Balanced workforce	Development and deploy- ment of internal best practices and processes	Development and deployment of best knowledge of customers, market and product	Embedding Innovation pro- cesses, and creating diversity in teams	Development and deploy- ment of internal best practices and processes as well as cus- tomer, market and product knowledge
Young workforce	Provision of basic and advanced operational knowledge to new and developing staff	Provision of basic and advanced product and customer knowledge to new and developing staff	Training in innovation, inno- vation processes, and creating as much diversity as possible in teams	Provision of basic and advanced operational, cus- tomer, and product knowl- edge to new and developing staff

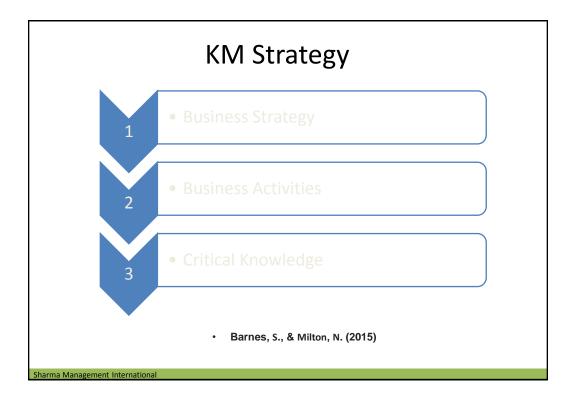
### Barnes, S., & Milton, N. (2015)

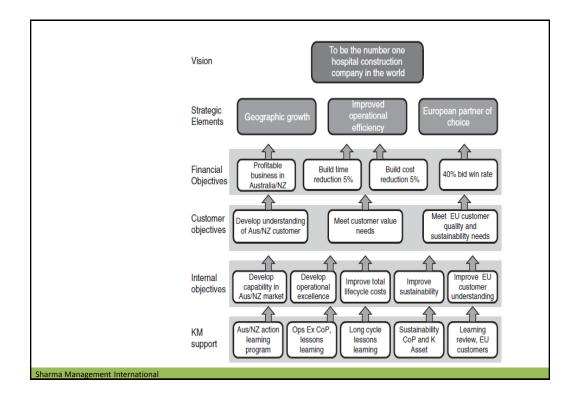
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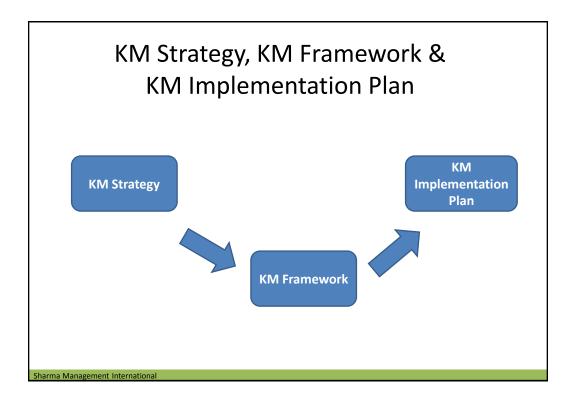


### 10 KM Strategic Principles

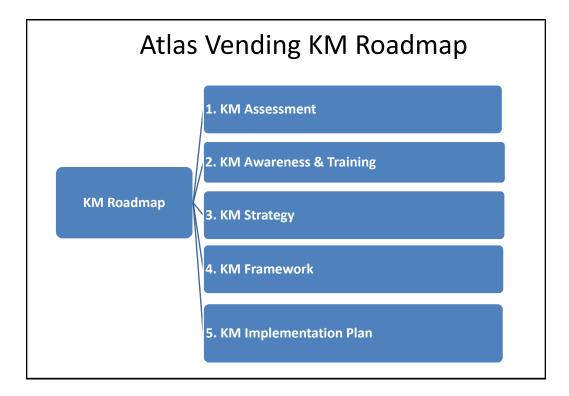
- 6. Framework has to include governance (for sustainability)
- 7. Framework must be structured
- 8. Implementation must be a staged process
- 9. Implementation must have a pilot run
- 10. Implementation must be treated as a project











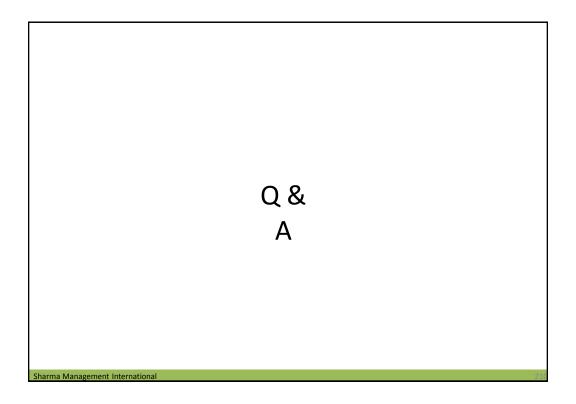


# Latest Development

As part of the resource base of an organization, the revised **ISO 9001** emphasizes the importance of knowledge management in a new clause.

In **ISO 9001:2015, clause 7.1.5**, the organization is asked to identify, manage and make available all knowledge necessary to ensure process results which are in line with quality and conformity requirements. In addition, the accrued knowledge base should be taken into account if changes or trends occur (such as adjustments in customers requirements), and new or additional knowledge should be acquired.

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### Reference

- 1. Gillingham, H., & Roberts, B. (2006). Implementing knowledge management: a practical approach. *Journal of Knowledge Management Practice*, 7(1).
- 2. Vestal, B. (2002). Measuring Knowledge Management. Symposium A Quarterly Journal In Modern Foreign Literatures
- **3.** Barnes, S., Milton, N. (2015) Designing a successful KM strategy : A Guide for the Knowledge Management Professional

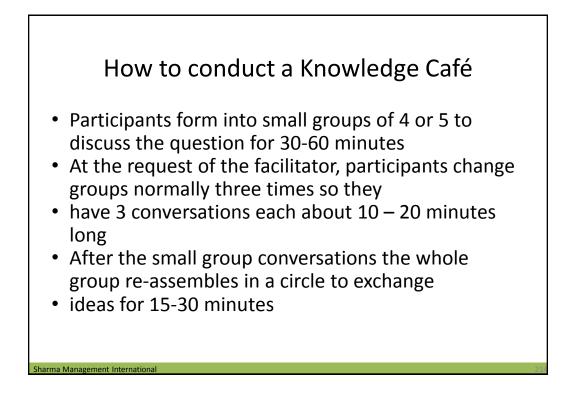
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# Gurteen Knowledge Café People come together to have an open, creative conversation on a topic of mutual interest Done to surface their collective knowledge, to share ideas and to gain a deeper understanding of the issues involved. Ultimately the conversation should lead to action in the form of better decision-making and innovation.

### How to conduct a Knowledge Café

- The facilitator takes 10-20 minutes (depending on whether the participants have experienced a café before or not) to introduce the café, making its purpose clear and posing the question
- A guest speaker can be used to introduce the theme of the café and pose the question, but their speaking time must be strictly limited

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### What is needed for a Knowledge Café

- A venue where people can be comfortable and relaxed, with tables and chairs to seat 4 or 5 people per table, preferably with refreshments
- A group of people 16 to 32 people works best
- A facilitator to introduce and oversee the café a powerful question to spark the conversation
- Time allow 1.5 to 2 hours
- No flip charts in the room ?

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## Value of Open, Creative Conversation

- Open, creative conversation *embraces dialogue* rather than debate.
- Rather than defending a position, strive for mutual understanding through a frank exchange of ideas or views. In particular:
  - suspend assumptions, do not judge
  - observe and listen to one another
  - welcome differences and explore them
  - allow taboo subjects to be raised safely
  - listen to your inner voice
  - slow the discussion
  - search for the underlying meaning



