

Knowledge Enables Change



Jeremiah Genest– Sanofi

ASQ BOSCON 2019



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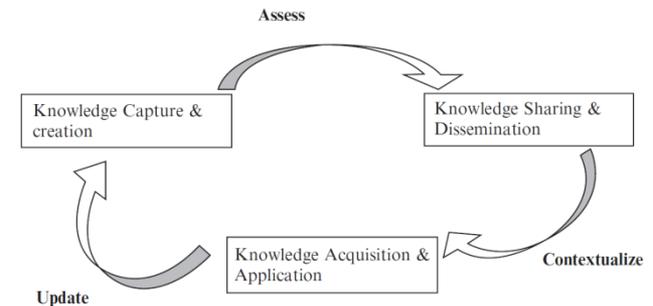
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Learning Objectives

- In this session you will:
 - Identify the nine wastes of knowledge and describe how each waste impacts change management.
 - Evaluate the four major classifications of knowledge and utilize each to evaluate a specific change.
 - Utilize the four key areas of knowledge management (people, process, content, and technology) to drive a change management system.
 - Define the processes of knowledge management and determine some best methods for leveraging each process during the change management life cycle.



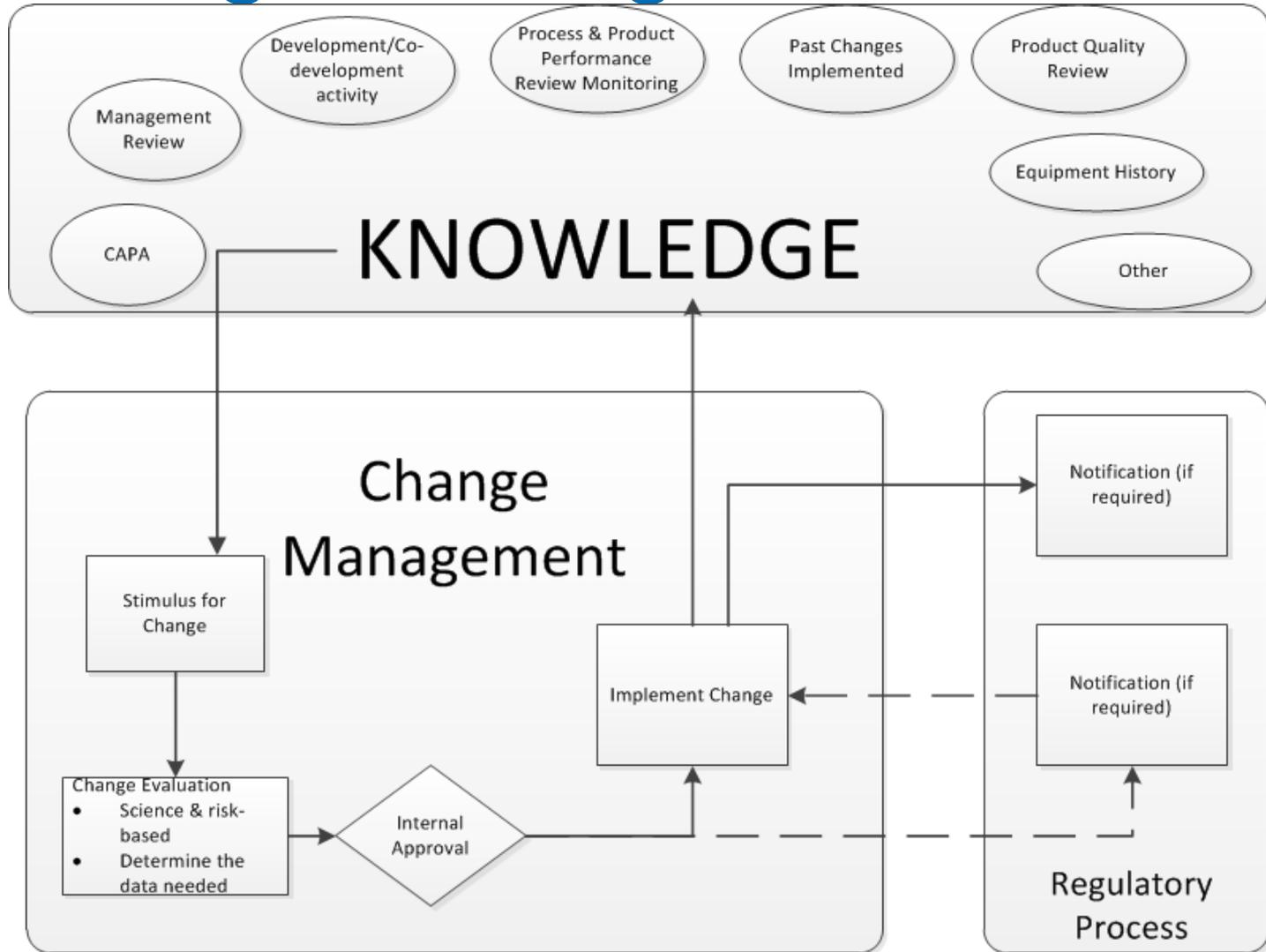
Knowledge Classifications

		General	Contextually Specific	Technically Specific
Declarative	Explicit	A book describing factors important to being a manager of people	A company document identifying the circumstances under which a team's manager should consider replacing a team member who is having problems with the project	A manual describing the factors to consider to utilize emotional intelligence when managing an employee.
	Tacit	Knowledge of what makes a good manager	A manager's knowledge of factors for motivating an employee in a particular company	A managers use of emotional intelligence as a principal for managing an employee.
Procedural	Explicit	A book describing steps to take in managing an employee.	A company procedure identifying the sequence of actions a team manager should take when requesting senior management to replace a team member having problems with a project	A checklist for applying emotional intelligence in a specific situation.
	Tacit	Knowledge of the steps involved in managing an employee.	A manager's knowledge of steps to take to motivate an employee in a particular company.	A manager's knowledge of the sequence of steps to perform for a difficult conversation.

Knowledge Waste

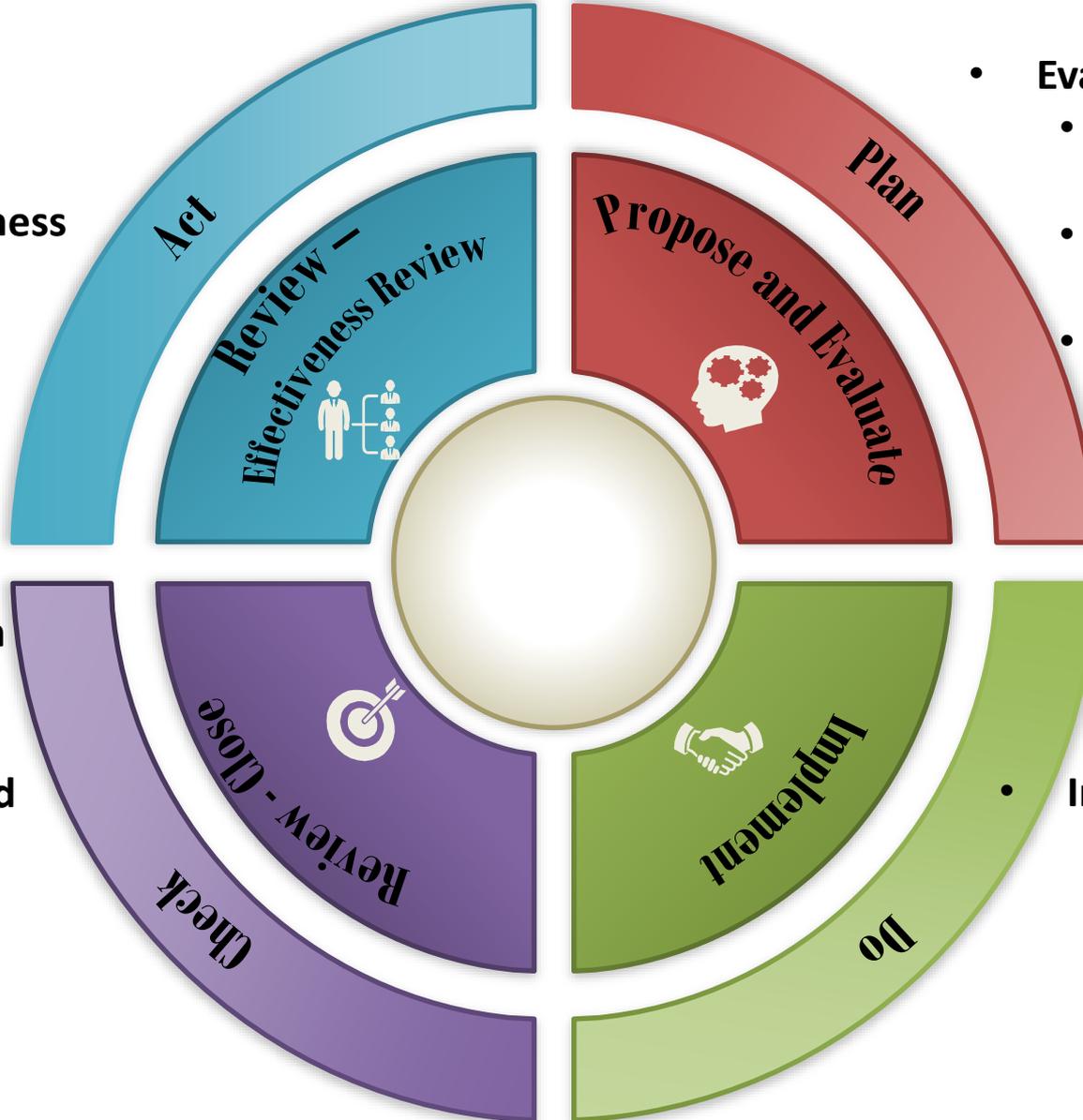
Knowledge Waste	Examples during a change
Handoff	<ul style="list-style-type: none"> • lack of clear learning as part of the change
Useless information	<ul style="list-style-type: none"> • Excessive written instructions, procedures, and policies
Discarded knowledge	<ul style="list-style-type: none"> • Unused explicit knowledge
Wishful thinking	<ul style="list-style-type: none"> • Hoping everyone will understand the change
Waiting	<ul style="list-style-type: none"> • Lack of empowerment • Downtime • Delays or rework in executing the change
Misalignment	<ul style="list-style-type: none"> • Resistance to change • Goals of change not supporting company vision/goals
Communication barriers	<ul style="list-style-type: none"> • Personnel availability <p>Cultural, language or technology failures</p>
Inadequate checking	<ul style="list-style-type: none"> • Improper quality at the source • Inadequate time to perform checks such as pre-job briefings
Wrong tool	<ul style="list-style-type: none"> • Improper documentation • Improper training method • Inadequate tool available - causing improvisation

Knowledge Management



Change is...

- Effectiveness Review
 - Evaluate Effectiveness

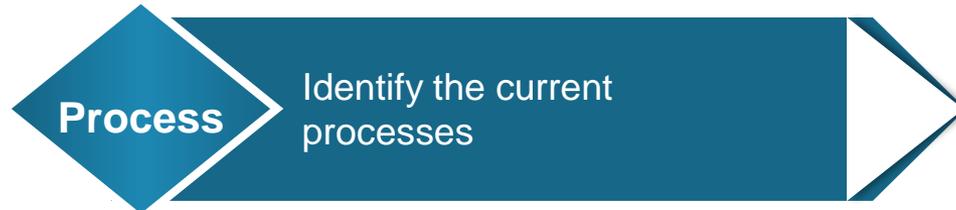


- Propose
 - Current and Future State
- Evaluate
 - Assemble the Team
 - Develop Change Plan
 - Obtain Approvals

- Implement
 - Execute Change Plan
 - Escalate risks and delays

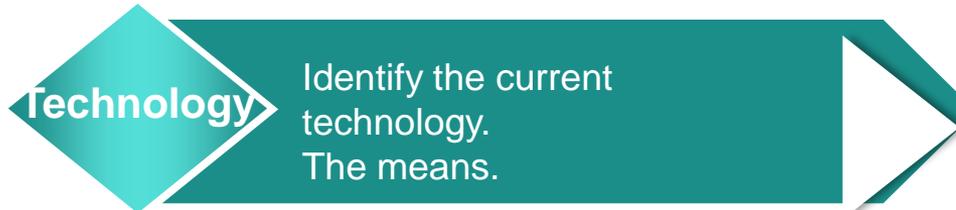
- Close
 - Ensure Change Plan executed
 - Escalate unaddressed risks

4 Key Areas



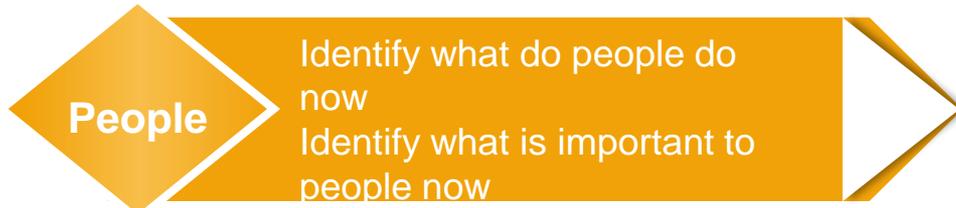
Process

How are your processes changing?



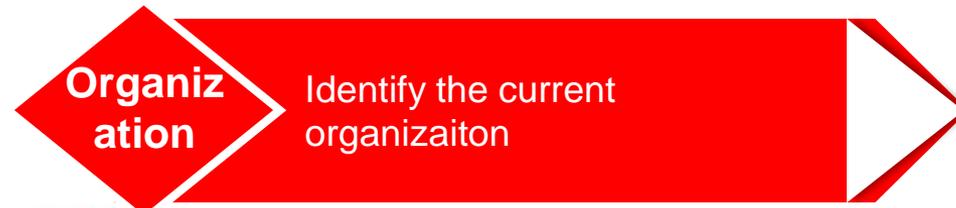
Technology

How is the technology changing?



People

What will people do differently?



Organization

How is your organization changing?

Knowledge Waste

Waste

Context

Knowledge unused

Knowledge isn't applied

Knowledge not used for some reason

Knowledge Not Used

Valuable information and experience not utilized in the right way

Individual does not participate in idea exchange

Knowledge without understanding and deep application

Knowledge which is in the organization but nobody uses it

Knowledge not used in business

Knowledge lost

Loss of knowledge

Misuse of knowledge

lost insights and knowing

knowledge is wasted because not shared before experts leave the organization

Knowledge Wasted

"Knowledge waste" related to waste, not only of tacit but explicit knowledge

A kind of knowledge you don't need

Waste of time and other resources "Muda"

Missing Knowledge
Management

Wishful thinking

Handover

No system/process for knowledge management

Failure to use the shared knowledge and capabilities of an organization

Missing Share

Knowledge isn't brought explicit and experts leave

Overload

Information overload

Poor data management



Sources of Knowledge Waste in Change

Wishful Thinking	Scatter	Handover
<ul style="list-style-type: none">• Discarded Knowledge• Testing to specification	<ul style="list-style-type: none">• Physical, social and skill barriers<ul style="list-style-type: none">• Distance, time differences, data formats• Culture, language and organization culture• Busing oneself• High power differences• Continuous organizational change• Overspecialization• Poor Tools and processes<ul style="list-style-type: none">• Narrow informaiton channels• Duplication• Poor communication tools	<ul style="list-style-type: none">• Useless information<ul style="list-style-type: none">• Extraneous documentation and communicaiton• Lost knowledge• False information• Relearning• Waiting<ul style="list-style-type: none">• Decision making

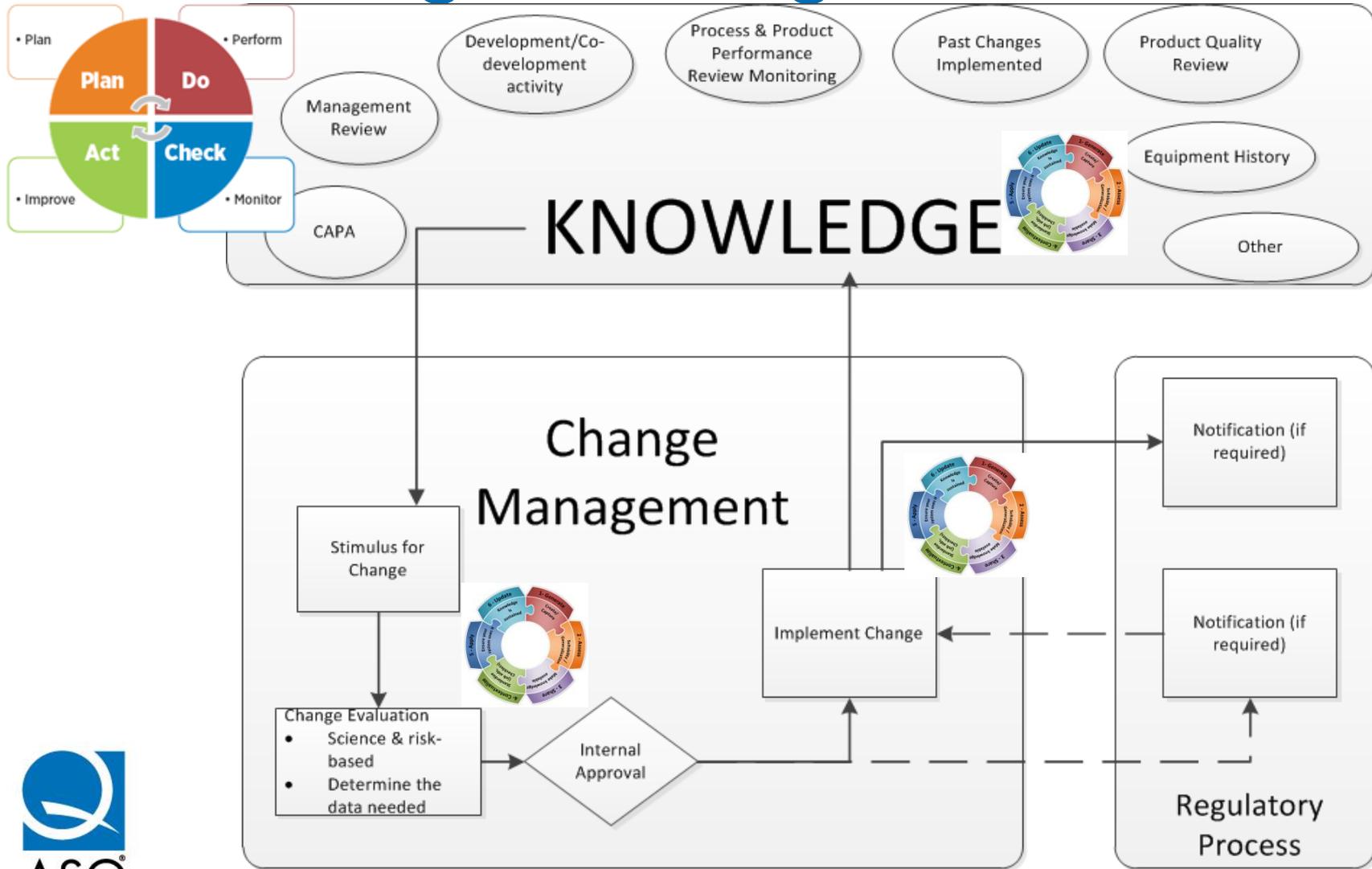
Knowledge Management – 6 States



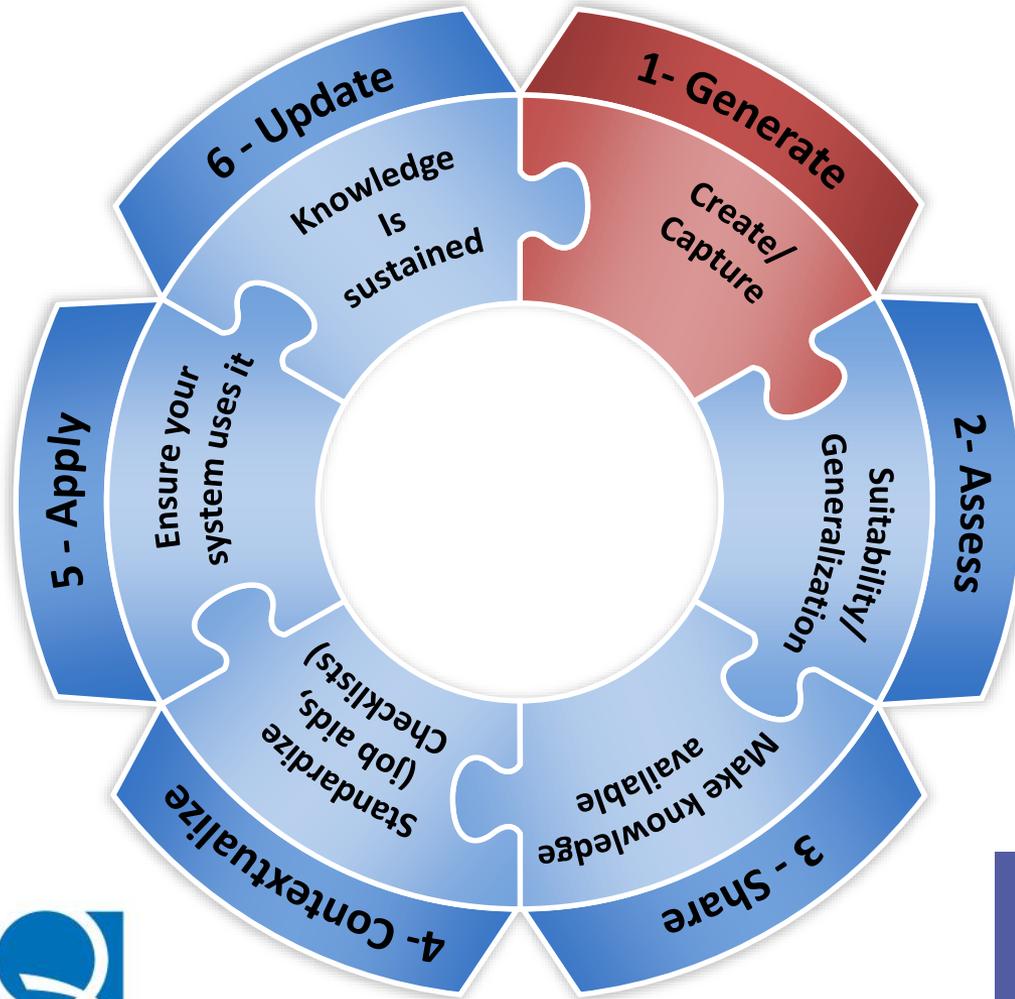
The Cycle

- Iterative through the Change lifecycle
 - Propose
 - Evaluate
 - Implement
 - Close
 - Effectiveness Review
- Leads to change AND is driven by change
- Build into systems and processes

Knowledge Management



Generating knowledge through change



Generate

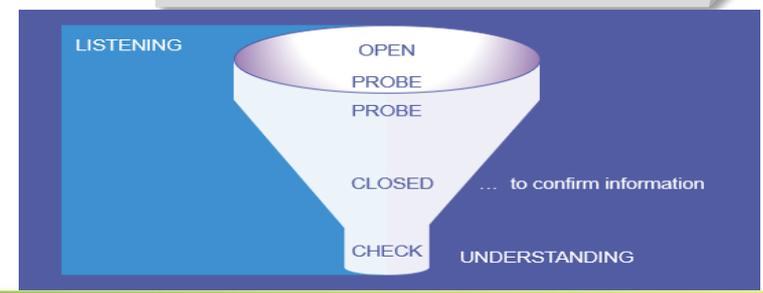
- Capture the knowledge

When?

- Propose and Evaluate
 - Interview the SMEs
 - Determine what the change will do
- Effectiveness Review
 - What did we learn from the change

How?

- Cognitive interviewing
- Beware knowledge waste



Cognitive Interviewing

Recreate

Outline the process then walk it through.

Tell

the SME to actively generate information and not wait passively for the interviewer to ask questions.

Adopt

the SME's perspective; ask eyewitness-compatible questions such as "what does a user need to know?" or "how could the process be better?"

Listen

actively, do not interrupt, and pause after the SME's response before asking follow-up questions.

Ask

open-ended questions.
Don't ask questions that can be answered with a single word or short phrase.

Encourage

the SME to use imagery.
Explicitly request detailed descriptions.

Cognitive Interview

Perform

the interview at the Gemba where change will happen.

Follow

sequence of the cognitive interview major components.

Bring

support materials such as attachments, SOPs, and copies.

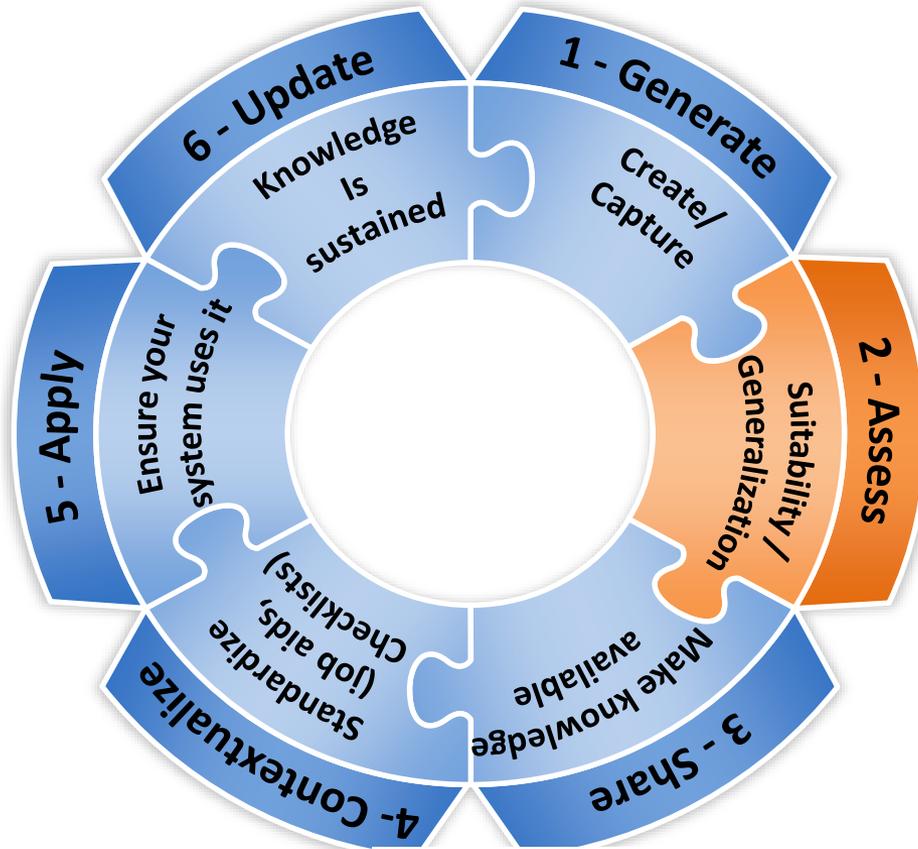
Establish

a connection with the witness; demeanor has a big impact.

Do Not

Assume what is truly important.

Assess the knowledge gathered



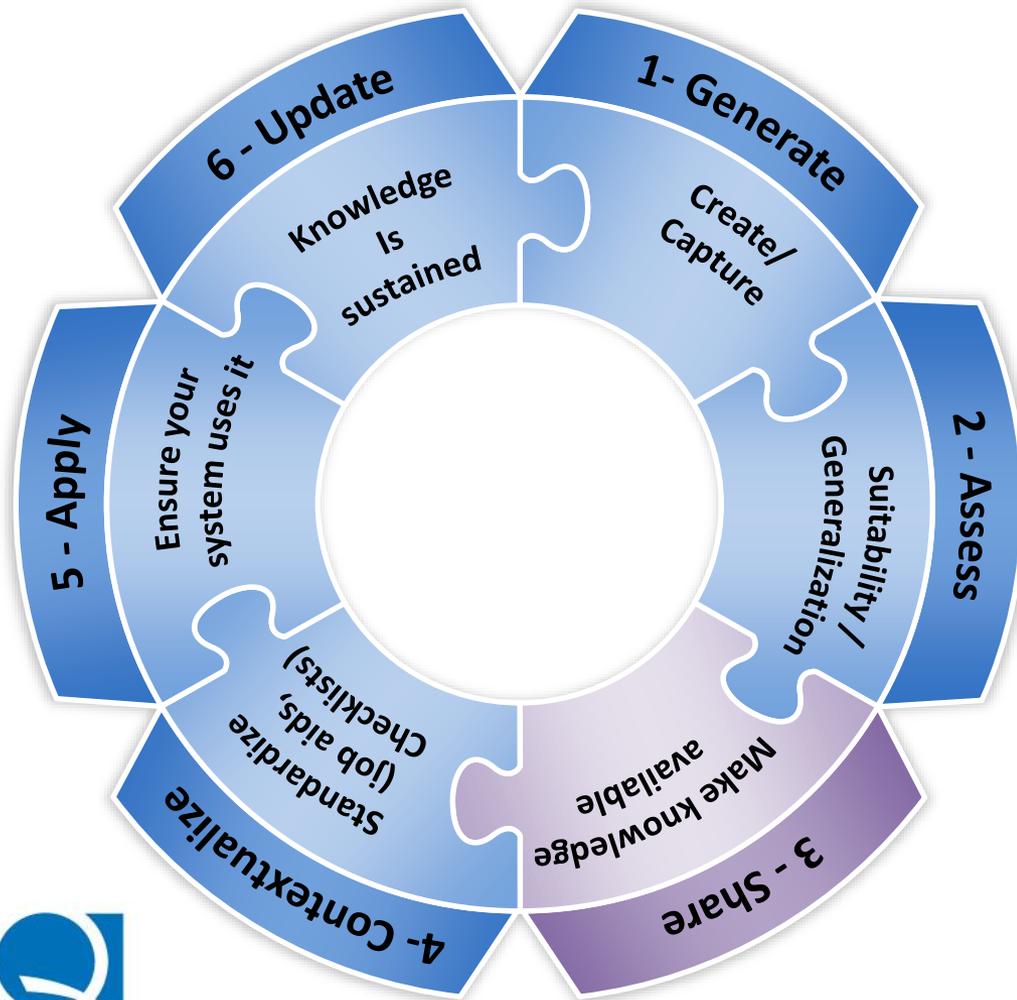
Assess

- Organize
 - Many of same tools as root cause analysis)
- Move from less defined to most (Tacit to Explicit, Declarative to Procedural)
- Assess what is valuable, what needs to be transferred
- Codify
- Change Evaluation
- Assess what is valuable, what needs to be transferred



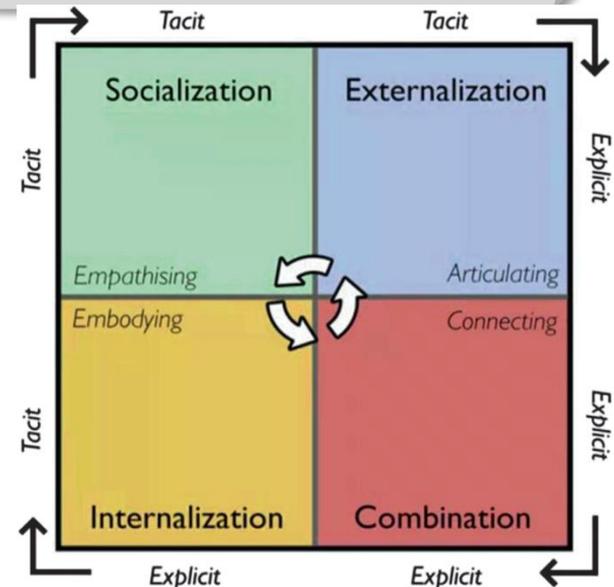
Critical Parameter	Current	Future	Audience	What do they need to know
Aspect of a system or process that is critical to the proper functioning of the system.	Now	The change	Who does this matter to	

Change is about sharing



Share

- Share this knowledge, make sure others can understand it
- Change Control Approval
- Organization Change Management
- Make it visible
- Share this knowledge, make sure others can understand it



source: Nonaka and Takeuchi

Contextualize into standard tools



Contextualize

- Build into the change plan
- Ensure in place before implementation
- Procedure, Training, Tools

Build	HOLD	POOL	Apply
Obtain Analyze Reconstruct Synchronise Codify Organize	Remember Accumulate in repositories Embed in repositories Archive	Co-ordinate Assemble Reconstruct Synthesize Access Retrieve	Task Performance Analyse Synthesize Evaluate Decide Implement



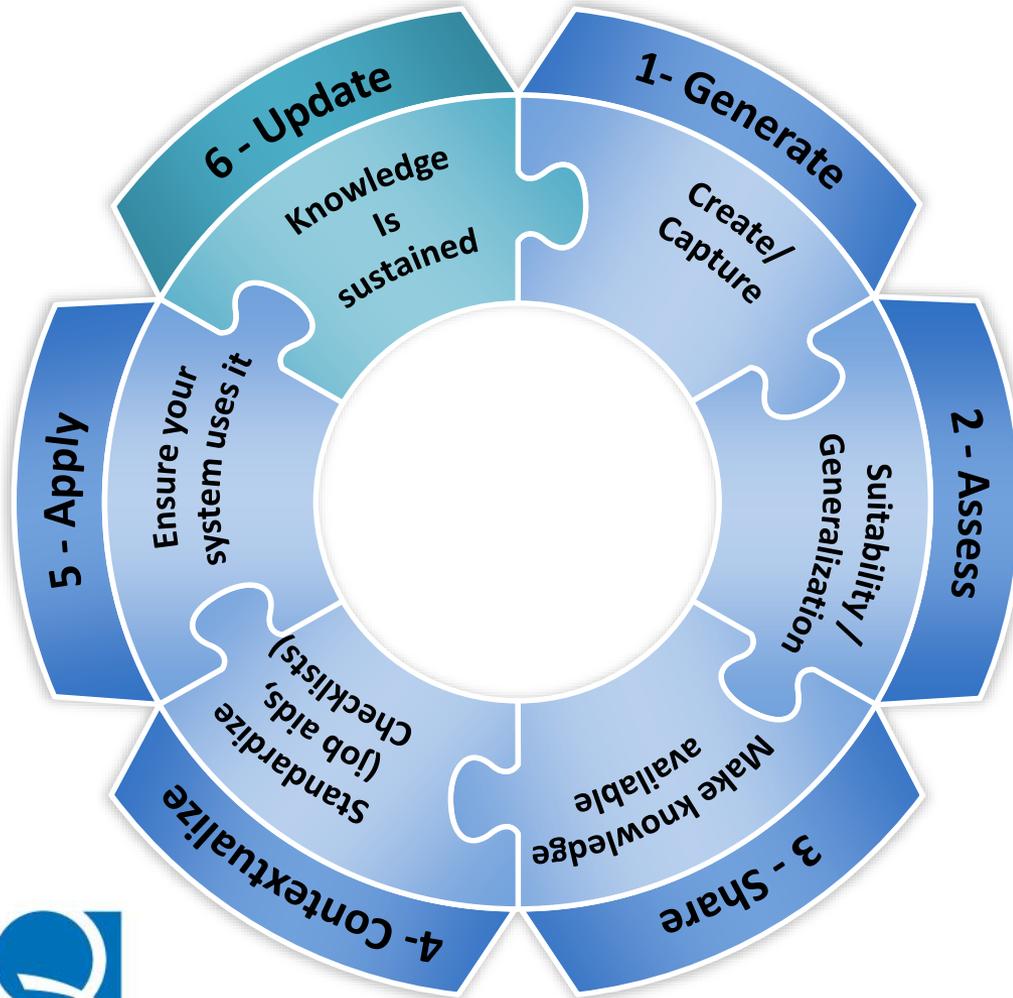
Apply the Knowledge



Apply

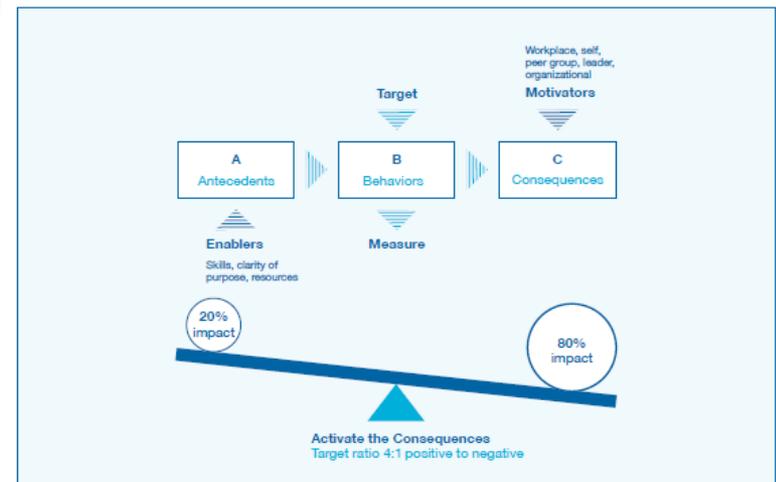
- Update Processes
- Train others
- Make sure the knowledge is used
- Change Implementation

Sustain and Update

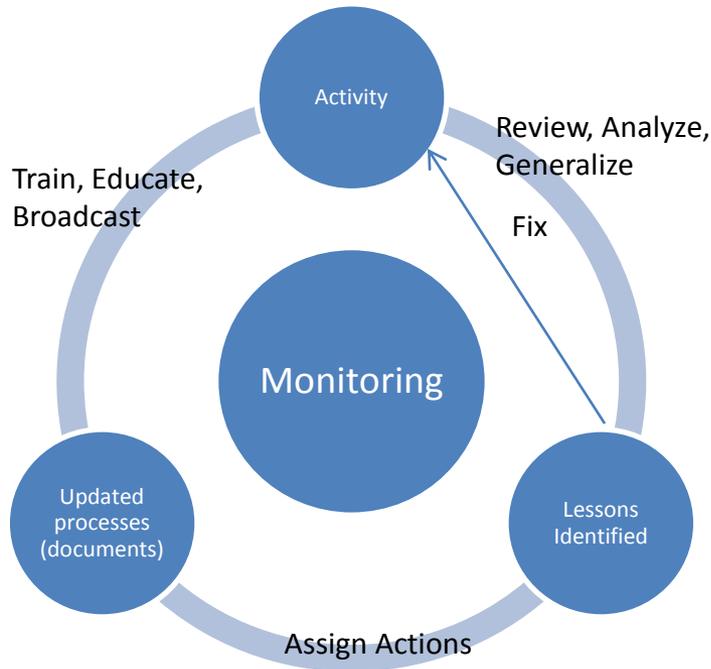


Update

- Make sure the knowledge is sustained and regularly updated.
- Effectiveness Review
- Build criteria to measure success into the change
- Build into audit/self inspection, process confirmations, “GEMBA” walks
- Lessons Learned

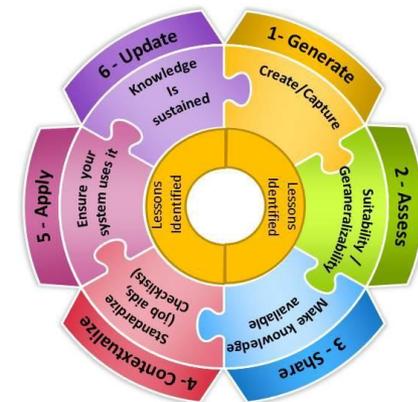


Lessons Learned



Successful lessons learned:

- Are based on solid performance data
- Look at positive and negative experiences.
- Refer back to the change management process, objectives of the change, and other success criteria
- Separate experience from opinion as much as possible
- Generate distinct lessons from which others can learn and take action. A good action avoids generalities.



Take-aways

- Through this session, you should have:
 - Become familiar with application-based Six Sigma projects
 - Understand how to integrate projects into training/academic courses
 - Learn to enhance project success through “action learning”



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Questions?

Jeremiah B Genest – Phone: (857) 288-9361 – Email:
jeremiah.genest@sanofi.com



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