

BPM 2014 Questions for a Learning Organization

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http://www.slideshare.net/kswenson/bpm2014



The working world is changing.



From making things ...



Knowledge workers

- ... high degree of expertise,
- ... involves the creation, distribution, or application of knowledge.
- Thomas Davenport



Knowledge worker productivity is the biggest of the 21st century management challenges.

In the developed countries it is their first survival requirement.

- Peter F Drucker

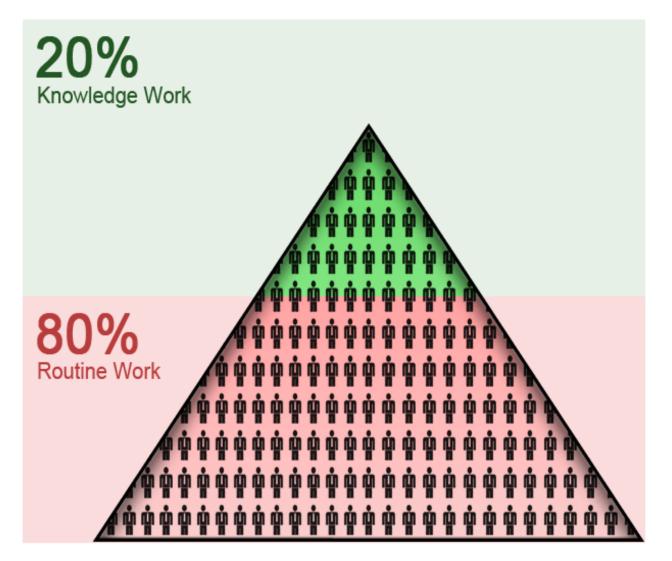




By a number of estimates,

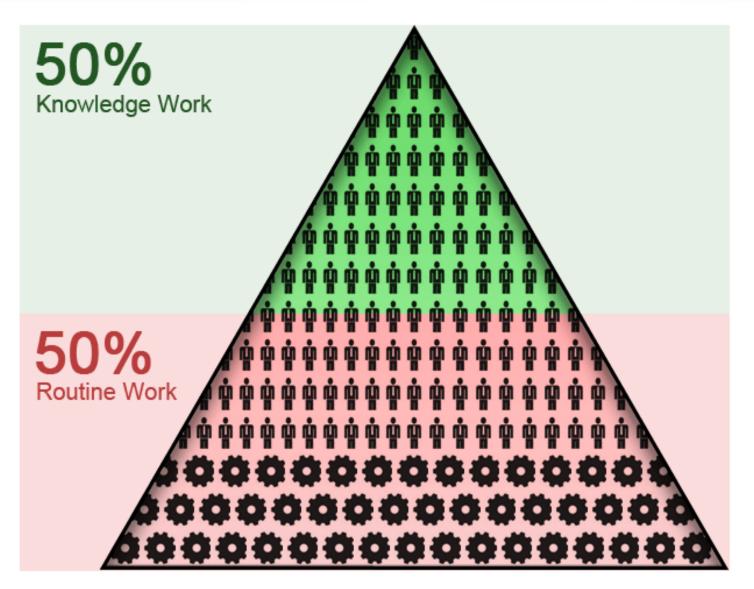
- intellectual property,
- brand value,
- process know-how, and
- other manifestations of brain power generated more than 70% of all US market value created over the past three decades.
- "The Productivity Imperative", McKinsey and Company





http://social-biz.org/2013/10/26/automation-elevating-workers-not-eliminating/



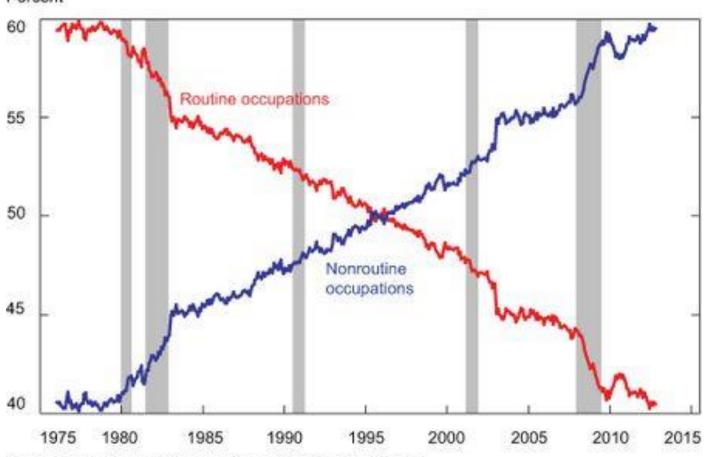


http://social-biz.org/2013/10/26/automation-elevating-workers-not-eliminating/



Employment Share





Source: U.S. Census Bureau, Current Population Survey.

Note: The bands indicate recessions as defined by the National Bureau of Economic Research.



85% of the new jobs created in the past decade required complex knowledge skills:

- analyzing information,
- problem solving,
- rendering judgment and
- thinking creatively.
- "The Productivity Imperative", McKinsey and Company



First ... some definitions

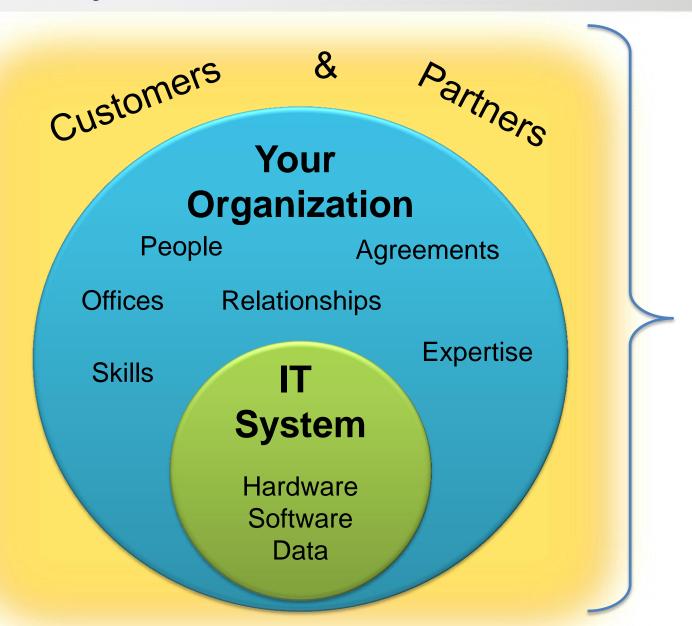
Definition of BPM



```
Business Process Management (BPM) is a
discipline
               involving any combination of
 modeling, automation, execution,
              measurement and optimization
 control,
               business activity flows,
of
                   enterprise goals,
in support of
spanning systems, employees, customers and partners
within and beyond the enterprise boundaries.
```

"The System"

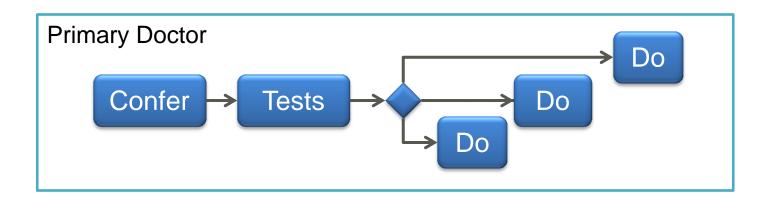




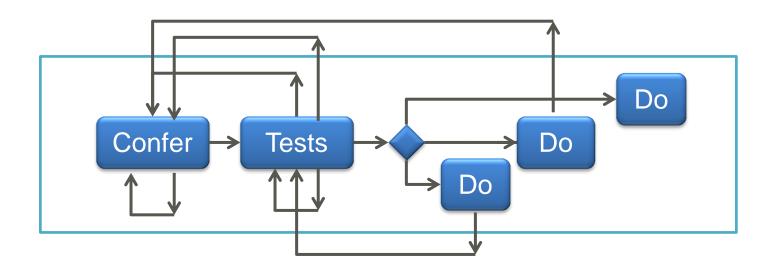
Desire to optimize the entire system



Let's talk about ... lying







The diagram is pure fiction!



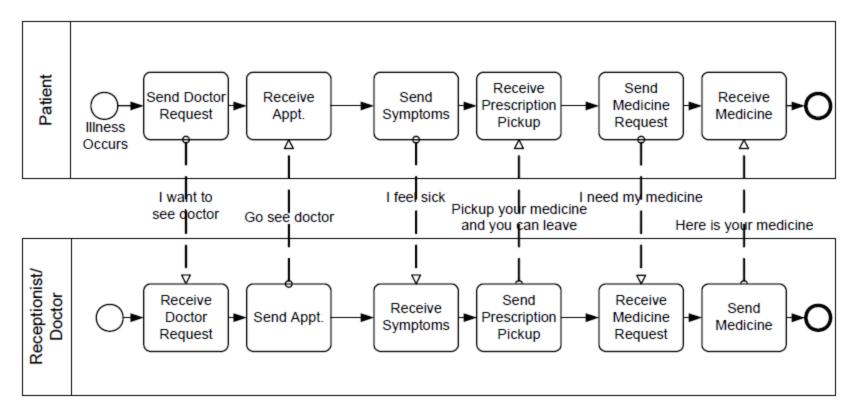


Figure 7.3 - An example of a Collaborative Process



why do we use examples that are false on every level false?

- partially enlightenment bias
- partially focus on routine processes
- partially thinking people are like robots

Example of Knowledge Work



http://www.easychair.org Click here to log in



WELCOME to the EasyChair Web site sitemap



	installation	news	users	licenses	testimonials	FAQ
overview <						

Ack Thanks Contact

EasyChair is a conference management system that is flexible, easy to use, and has many features to make it suitable for various conference models. It is currently probably the most commonly used conference management system.

EasyChair LaTeX

If you would like to know why you should use EasyChair for your conference, look at this image!

Dear Andrei,

...

I appreciated much PCexpert, that works better than the other systems I used so far as a PC member. Javier Esparza,

Example of Knowledge Work



Current Status of Papers

To **change a decision** on a submission, click on the decision column for this submission. You can change decisions for several submissions simultaneously by selecting them. To **select or unselect** a set of submissions, either click on the corresponding rows, or press the mouse button and move the mouse over table rows.

To see reviews on a paper click on the paper title.

The scores are followed by the confidence (in parentheses).

Papers assigned to you are shown using a grey background.

For more information about this page, click on **Help**.

Shortcuts to papers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

- Untick this box to hide shortcuts to papers
- Show paper authors.
- When computing the average score, weight reviews by reviewer's confidence.

-	# title	scores	average	decision
1	2 adaptive case management as a Propess of construction of and Movement in a coate opace	0(4),2(3),2(4),2(4)	1.5	ACCEPT
1	3 Dymantic Content Modeling for Agile Case Management	-3(5),2(3),3(4)	0.7	ACCEPT
	2 Barrianic Contilion Response Craptin for Trustovettin Adaptive Court Management	0 (3), 2 (3),- 1 (4)	0.3	POSITION
	8 Patterns becating adaptivity in activ	-1(4),2(3),0(4)	0.3	ACCEPT
	3 Satup and maintenance factors of ACN systems	-1 (5), -1 (4), 2 (3)	0.0	POSITION
	1 (1996) implementation in secondatio model of humana present at preparational manufacturing enterprise	1 (4), 1 (3),- 3 (3)	-0.3	ACCEPT
	4 Process analysis and collective pelsavisur in organizations, a practitioner expedence.	0 (4), 0 (5),- 1 (3)	-0.3	ACCEPT
	5 Separateion of constraint based processes: a declarative parapactive.	-1(3),1(4),-1(4)	-0.3	ACCEPT
	6 A Process-Assare Project Management System for Non-Structured Processes	-1(4),-1(4),0(4)	-0.7	REJECT
	9 beveloping adaptive case management collations from demandically annested mask definitions	0 (3),- 2 (3), 0 (3)	-0.7	REJECT
1	1 Impeliating Storkers and the Museum Dottein, enrither ties Case for NUM 3	-1 (4), -2 (3), 1 (5)	-0.7	REJECT
	7 De Blancon Startistan de conference de constitución de const	1(2) 2(4) 2(2)	1.0	DEJECT

Explanations for the decisions					
decision	explanation	papers			
ACCEPT	accept	6			
POSITION	accept as a position paper	2			
accept?	probably accept	0			
position?	probably accept as a position paper	0			
	no decision	0			
reject?	probably reject	0			
REJECT	reject	6			

Kanban



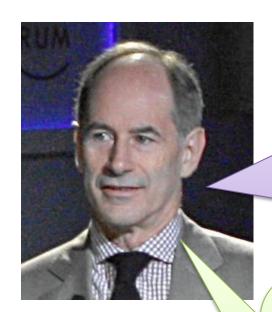




What do Management Gurus say?

Roger Martin





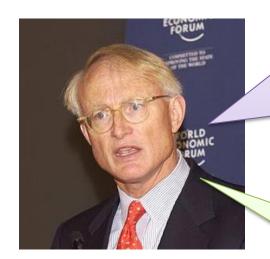
Eliminate sources of variation. Find the one true way, and get everyone to master it. If possible, automate those practices to increase repeatability. Mastery requires control of the situation.

Dean of the Rotman School of Management, University of Toronto Mastery without originality becomes rote. The master who never tries to think in novel ways ... will produce the same kind of resolution even if the context demands something different.

Mastery without originality becomes a cul-de-sac.

Michael E. Porter



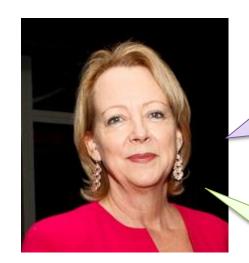


Get a business analyst to find your best business process and then institute it across the company. Thorough planning helps you avoid needless changes.

Harvard Business School Companies have to be very schizophrenic. On one hand, they have to maintain continuity of strategy. But they also have to be good at continuously improving. Change brings Opportunities.

Lynda Gratton





Try to anticipate and plan for success.

Based on the history of potential members, teams should be crafted with a well known and predictable ability to work together.

If a majority of the people on a team already know each other, the team can become stale and predictable.

It's often through the unexpected insights of new

It's often through the unexpected insights of new colleagues that innovation is sparked.

London
Business
School

Marcus Buckingham





subject, and devise the most comprehensive and detailed plan. Design once, execute many times. Train people and measure them against these consistent goals.

Author of
"First, Break
all the Rules:
What the
World's
Greatest
Managers Do
Differently"

The true genius of a great manager is his or her ability to individualize.

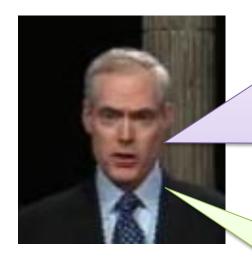
A manager should find the best expert on the

A great manager is one who understands how to trip each person's trigger.

Your strongest life is built through a continuous practice of designing moment by moment.

Jim Collins





Make a clear plan, consider carefully all of the situations that your workers will face, come up with the best responses, and teach your employees to use those best responses every time.

Author of "Built to Last", and "Good to Great" I don't know where we should take this company, but I do know that if I start with the right people, ask them the right questions, and engage them in vigorous debate, we will find a way to make this company great.



For a single process to work across an organization, you have to assume that all the players of a role are identical.

What if they are not?





Goal:
eliminate
variability
and find the
one best
shoe size.

Single Maximum Assumption



If you are going to monotonically improve a business process, you have to assume that there is a single process that is optimal.

What if there no single model is optimal? What if optimal is a variety of models?



Enlightenment Bias:

 Behind every complicated phenomenon is a simple formula driving it



Support for Innovation



Innovation refers to the introduction of nove ideas or methods.



"I'll be happy to give you innovative thinking. What are the guidelines?"

recent u

Medical Emergency





This patient has a combination of symptoms that requires us to do something that has never been tried before!



I'm sorry
Dr. House,
I can't allow
you to do that.

It would make the process invalid.



"... someone who knows more about his or her job than anyone else in the organization."

- Peter F Drucker



	Design Tim (Analyst)	1 e	Run Time (User)	
Routine Work	Expert x1		Less Expert x100 or x1000	
Knowledge Work		?	Expert x1	

What does it mean to "assure the correctness" of the knowledge work process?

Enforcement vs. Guidance









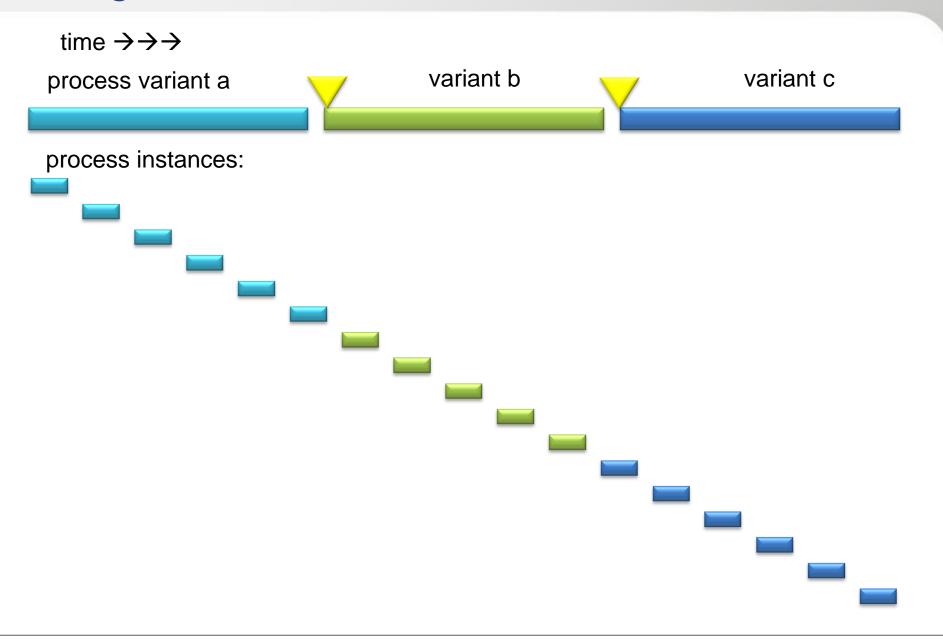


Technology for Unpredictability

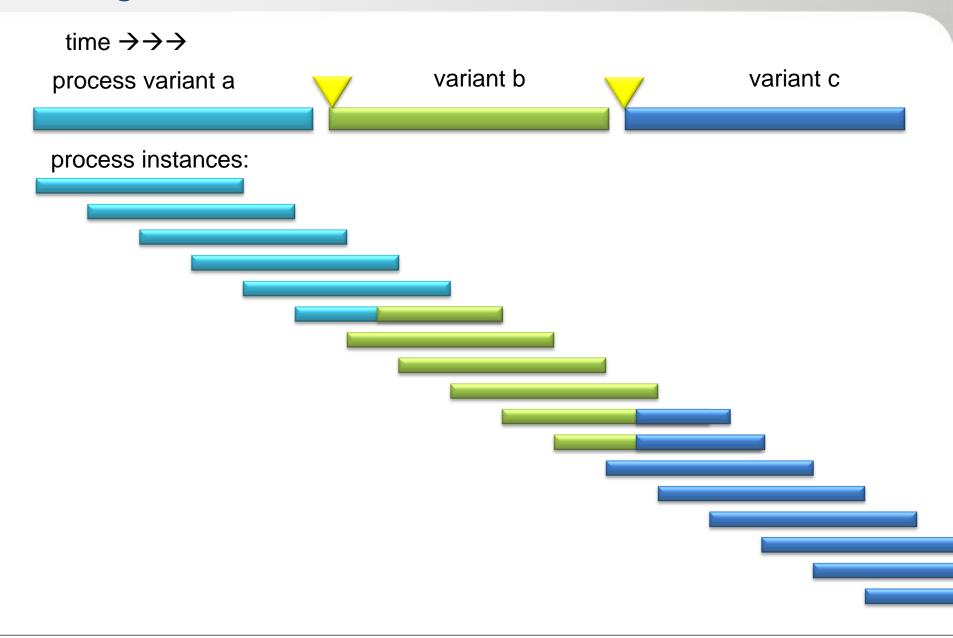


time →→→
process variant a variant b variant c

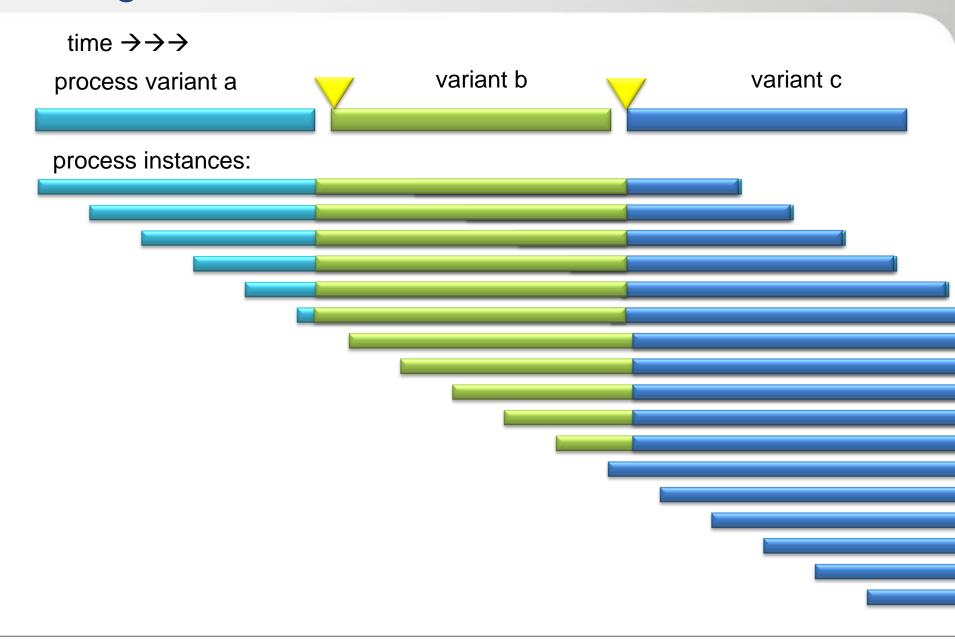












Examples of Predictability Types



Predictability	Description	Change Horizon	Work Duration
Very High	Factory Work	Many years	Minutes to days
Very high	Food Preparation	Many years	minutes
High	Server Integration	Years	Minutes
Medium	Order fulfillment	Weeks to months	Minutes to hours
Low	Social Work	Weeks to years	Weeks to years
Very low	Medical treatment	Days to weeks	Weeks to years
Very low	Detective	Hours to weeks	Weeks to years



Predictable, Repeatable

Variable, Unique

Application Dev

Process Technology

Email, Texting, witter, Telephone

Databases & Structured Data

Documents & Unstructured Data

Notes



Predictable, Repeatable

Variable, Unique

Application Dev

Human PM

PDS Integration

Adaptive 2

Production CM

Social Biz

Databases & Structured Data

Documents & Unstructured Data

Notes

exting

State of the Art in Case Management





Developed originally for AIIM case management series.

Send request to:

<u>casemgmt@kswenson.oib.com</u>

To receive a PDF



Examples from the ACM Awards

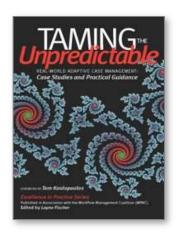
Workflow Management Coalition

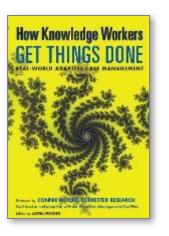


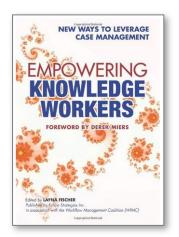
Four years running.
Real-life use cases.
Experience with ACM.



Four books







2014:
Thriving on
Adaptability:
Best
practices
for knowledge
workers

http://AdaptiveCaseManagement.org/



Norwegian Food Safety Authority submitted by Computas AS

The Norwegian Food Safety Authority's (NFSA) overall objective is to ensure safe food and animal welfare. NFSA's area of responsibility comprises plant health, food and fodder production and handling, water supply plants, cosmetics, animal health and welfare for production animals and pets. Since 2009, about 1000 of NFSA's knowledge workers (veterinarians, biologists, engineers, other professionals) use MATS actively as a decision support system for the main bulk of their professional work; to plan, conduct and register audits. The public (farmers, restaurants, food production plants, food shops, fish exporters, plants importers, butcheries, pet owners) use MATS to register, apply, and view their own case information, resulting in 150 000 communications per year. Each establishment or person, NFSA client, is viewed as a case, having a corresponding work folder in MATS. Each case is followed by NFSA over a possible time span of many years, subjected to both planned and event driven control activities (inspection, audit, sampling and document control). MATS provides focus on task support rather than workflow support.

Task Composition

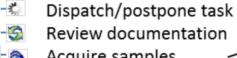


Complete task template

General "recipe", containing all steps relevant for this task type



Execute <inspection>



Acquire samples

Register observations

Register note/contact <Numerous other steps>

Write inspection report

Approve certificate

Register fees

Terminate task

Derived task template

Specific recipe for the case, depending on control object, process state, task data...

Review documentation

Write inspection report

Actually executed work

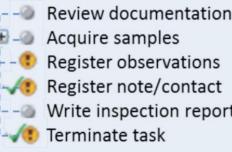
Sequence as performed by inspector, making decisions while working

Initial new contact identified Information scan done First sampling executed Focused information lookup Second sampling executed

> Observations registered Not deemed necessary

Done

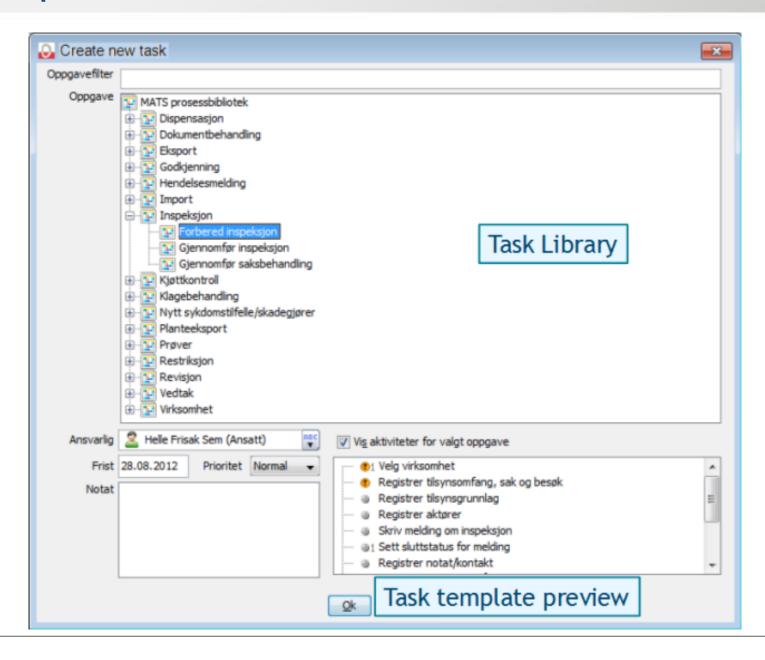






Example of UI





Category: Legal and Courts



National Courts Administration of Norway nominated by Computas AS



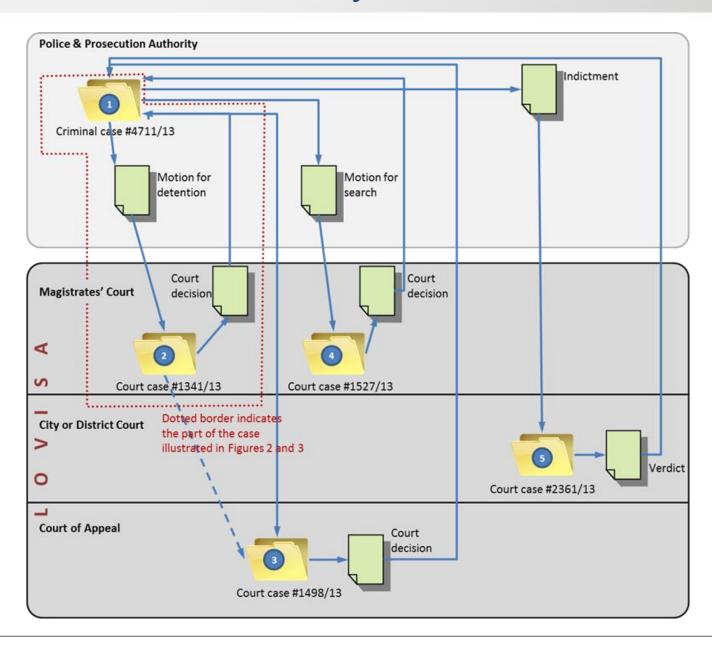
Olav Berg Aasen – Deputy Director General Astrid Irene Eggen – Senior Advisor Endre Helgesen Skjetne – Senior Advisor .

Situation

- Case handling and court management for all 1st and 2nd instance courts
- High-quality uniform case handling in accordance with procedural law
- Improve service-level for parties / actors / public
- Improve efficiency and effectiveness of the Norwegian courts
- Improve integration with other judicial actors

LOVISA Case Study



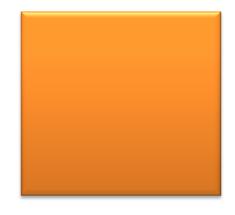




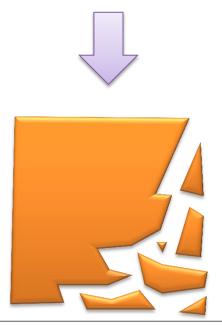
Antifragility



Fragile

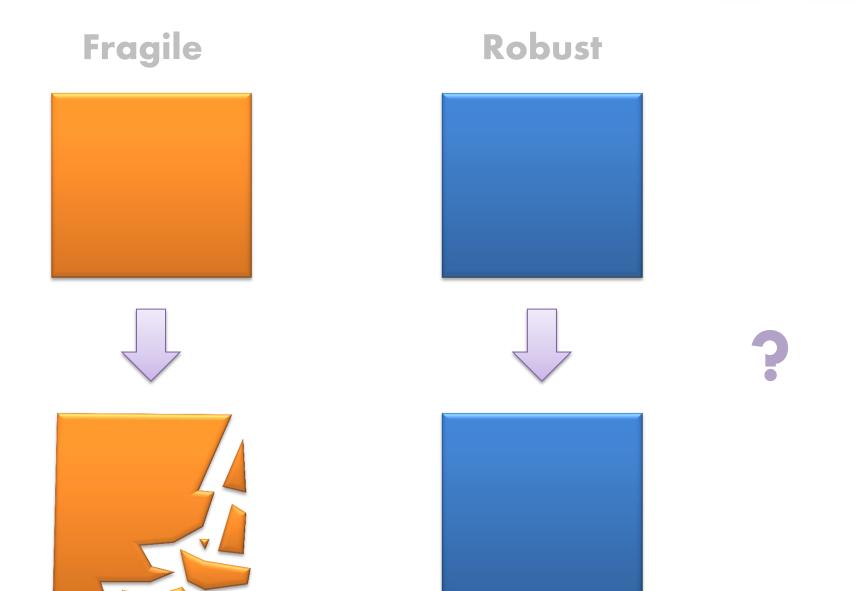


We know what fragility is.

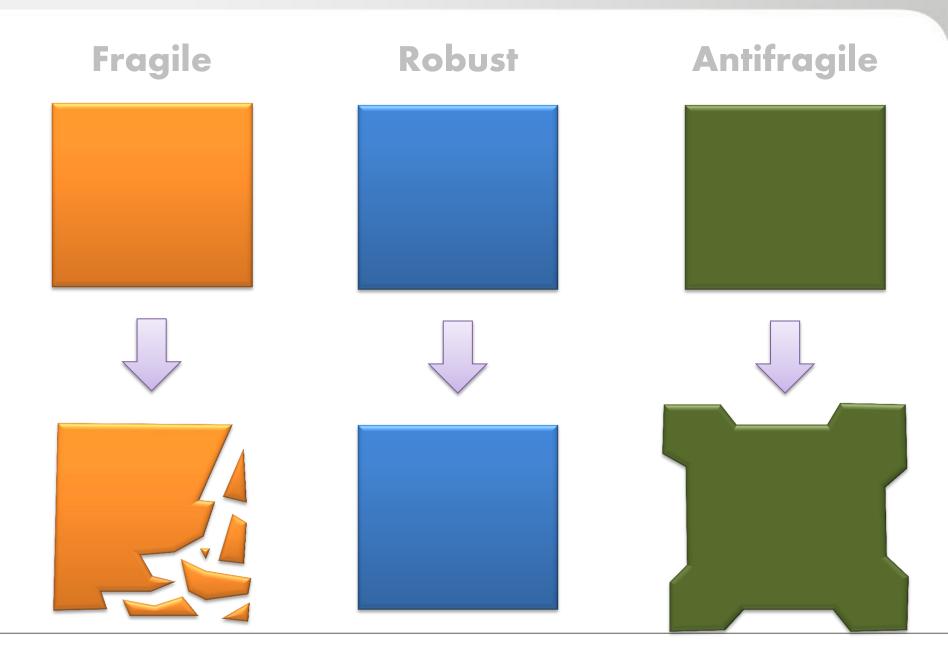


But what is the opposite?













Muscles are Adaptive

The Body is Antifragile

Forests are Adaptive



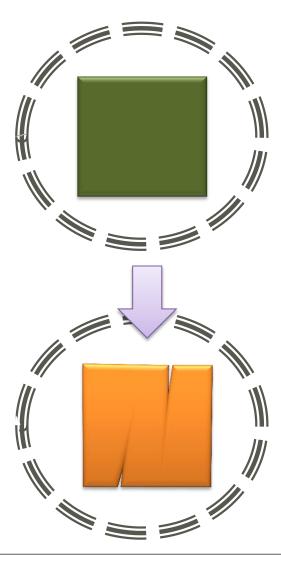




Craving Stress (Exercise)







Exposed







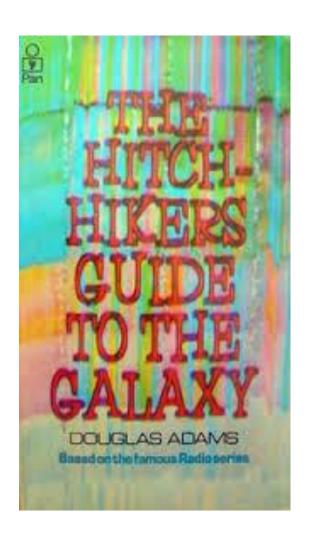
Antifragile systems crave stress, and if you withhold stress, they wither or become dangerously unstable



From an efficiency perspective, running without getting anywhere is a waste!







The character Lintilla had a "Crisis Inducer" which was a watchlike device that would create an artificial crisis of selectable severity in order to keep the wits of the wearer sharp.

Organizational Exerciser



Maybe our BPM systems should be occasionally throwing 'curve balls' at the users: unexpected, and incorrect tasks to keep the worker intellectually healthy?



Enforcing a single best practice on the organization, can make it ... fragile



A way forward

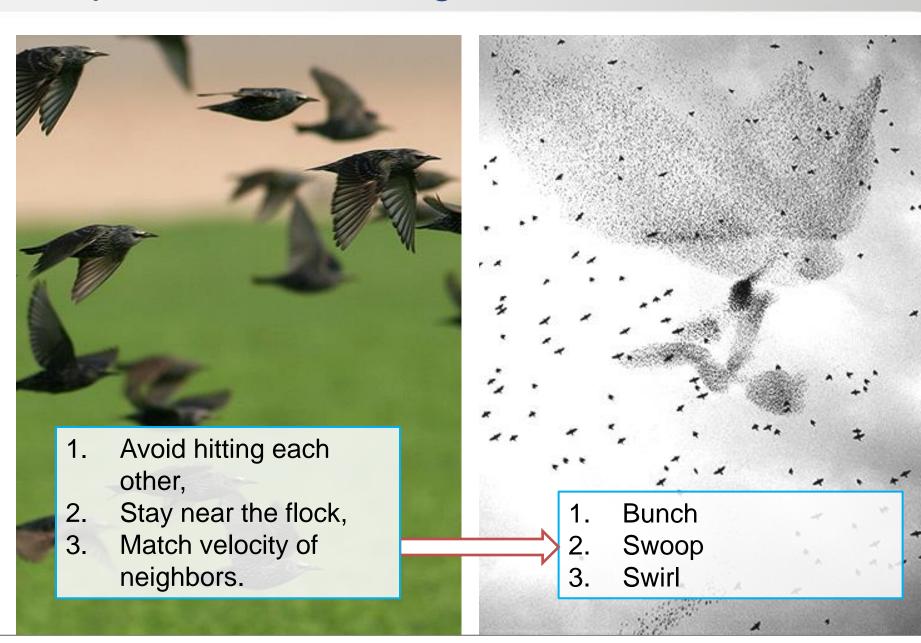
Starling Murmuration



(Video)

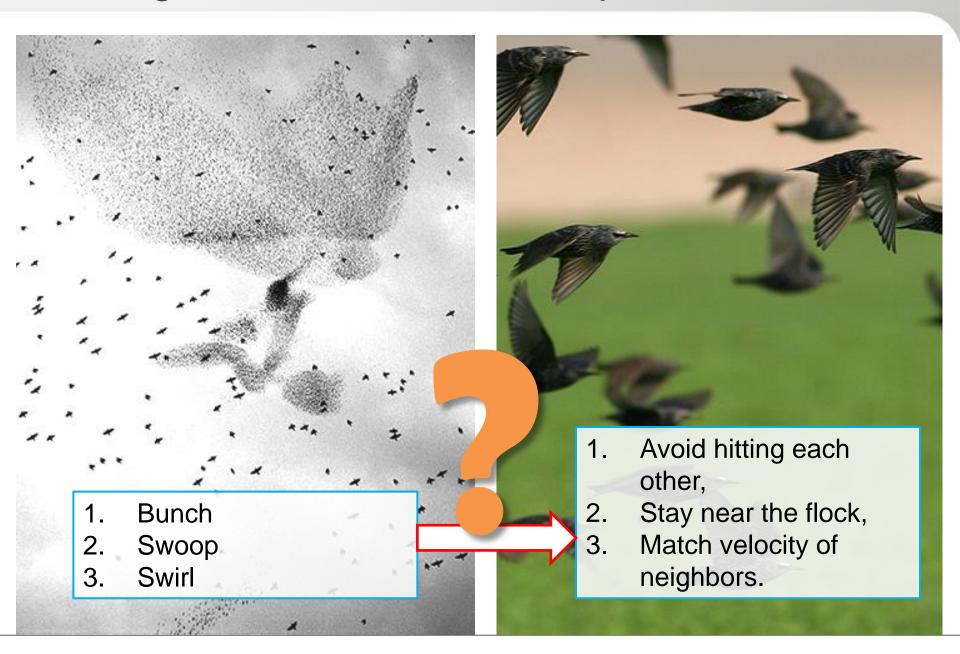
Simple Rules to Emergent Behavior

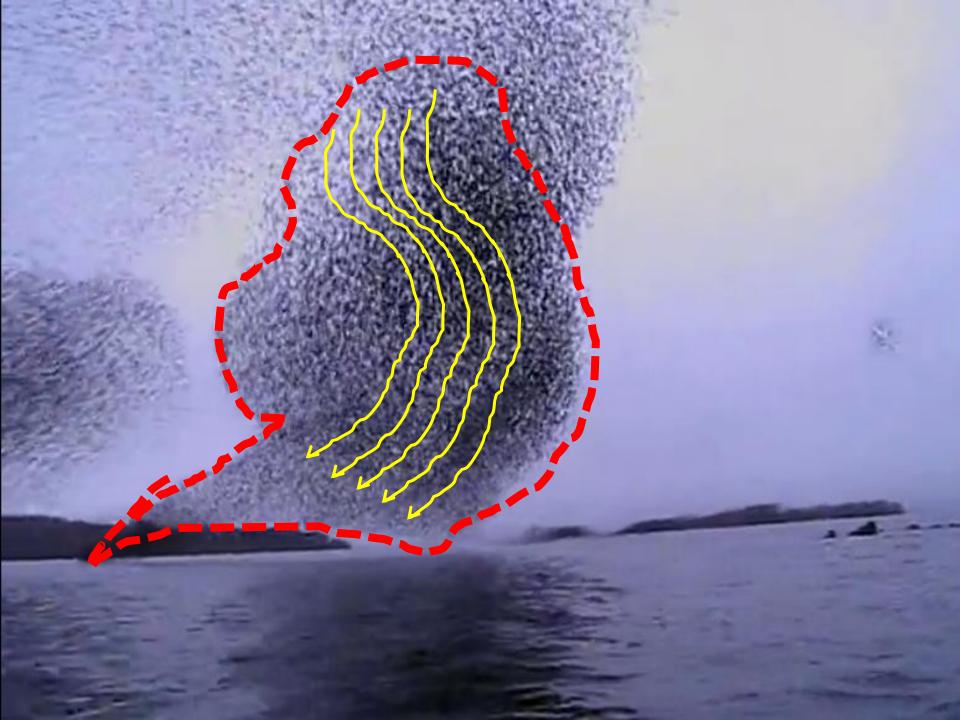




Deriving Rules is Difficult or Impossible









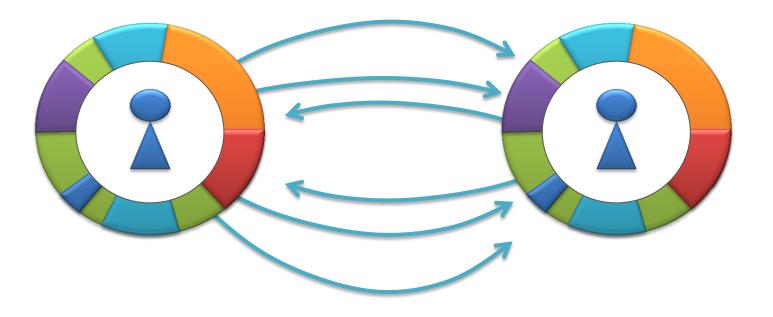


Roles, and Etiquette

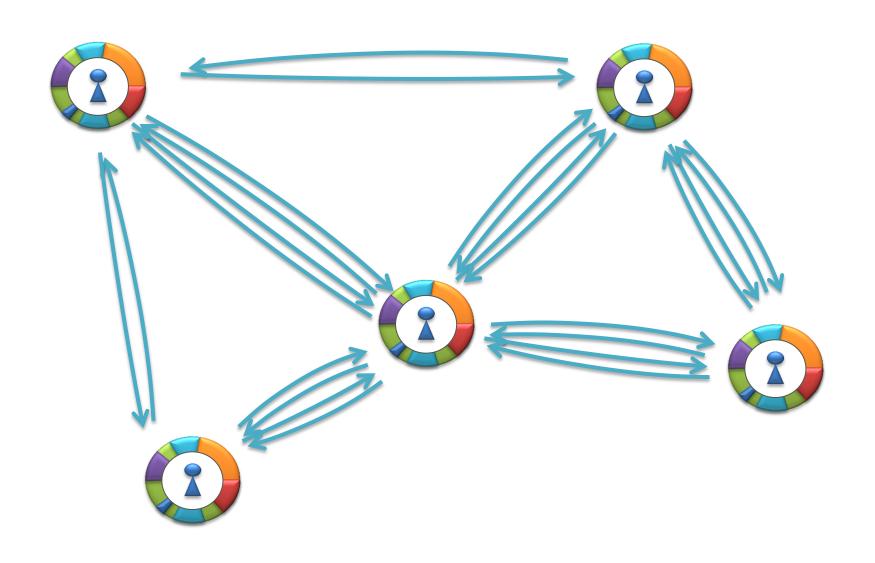


Purchasing Agent

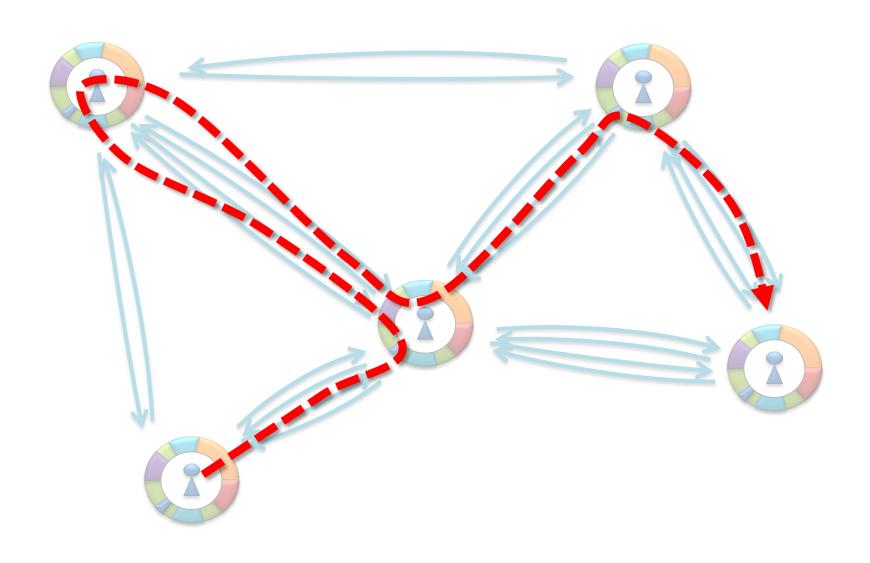
Product Development











Business Etiquette Modeling



- For each role in an organization, determine:
 - each of the services that role might perform
 - what must be provided
 - what will be produced
 - what conditions will decide whether the task is accepted or not
 - what contexts all this is valid in
- Use simulation across many roles in the organization to see if the process is 'optimal'
 - tweak the etiquette rules as necessary
- Record history and track KPIs like normal
 - Respond if necessary by tweaking the etiquette rules









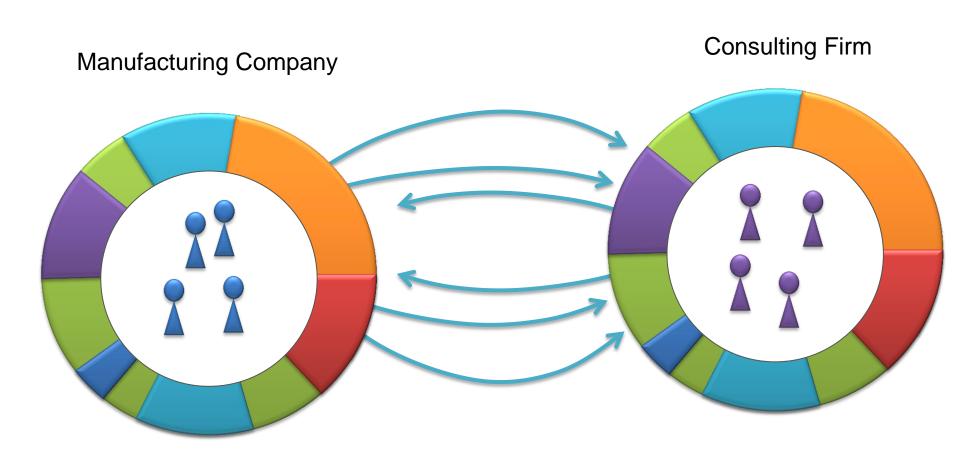
GARMIN





Cross Company Emergent Processes





Summary



- Knowledge workers are important, and increasing
- Current process models are very limited with respect to knowledge work
- ■Which assumptions are valid?
- Spectrum of different types of process support
- Examples from the ACM awards
- Organizations need exercise, not protection
- Should we treat business as an emergent epiphenomenon?
- → Business Etiquette Modeling



"The future is uncertain – but this uncertainty is at the very heart of human creativity"

- Ilya Prigogine





"Nature loves small error, humans don't — hence when you rely on human judgment you are at the mercy of a mental bias that disfavors antifragility."

- Nassim Nicholas Taleb, Antifragile

"Stability is a Time Bomb"

- Nassim Nicholas Taleb, Antifragile

In an unpredictable world, the best investments are those that minimize the importance of predictions.

- Sargut & McGrath



"The only sustainable competitive advantage is an organization's ability to learn faster than the competition."

Peter M. Senge,
 The Fifth Discipline: The Art & Practice of The Learning Organization





the ability to gain victory by changing and adapting according to the opponent is called genius"

- Sun Tzu, The Art of War



Adaptive Case

Management is

for Knowledge Workers

with Unpredictable Process

to Adapt & Innovate

with **Teams of Experts**

to **Accomplish Goals.**

http://www.slideshare.net/kswenson/bpm2014

Workflow Management Coalition



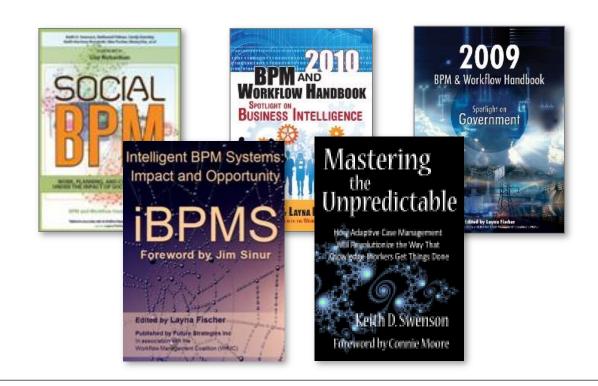


20 YEARS OF PROCESS THOUGHT LEADERSHIP

- Standards
- Books
- Awards
- Information









shaping tomorrow with you