The Central Role of Business Analysis in Enterprise Architecture

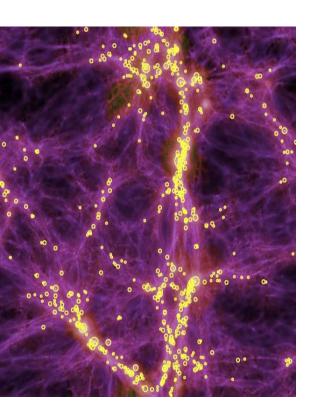
presentation to the

IIBA Western Cape Chapter Nov 2007

by Graham McLeod

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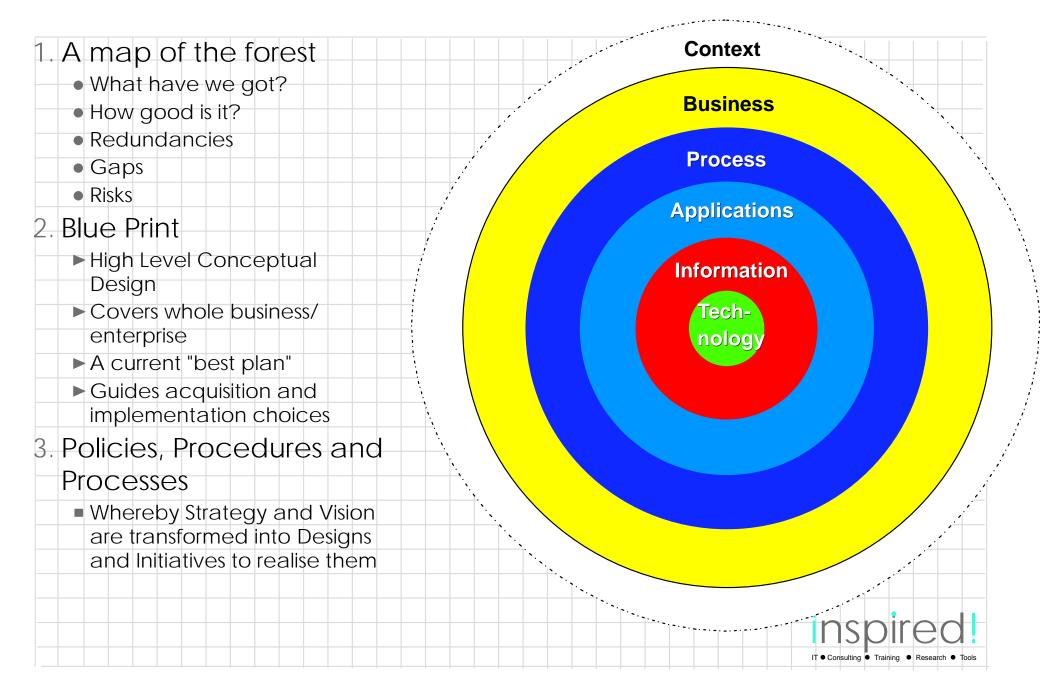




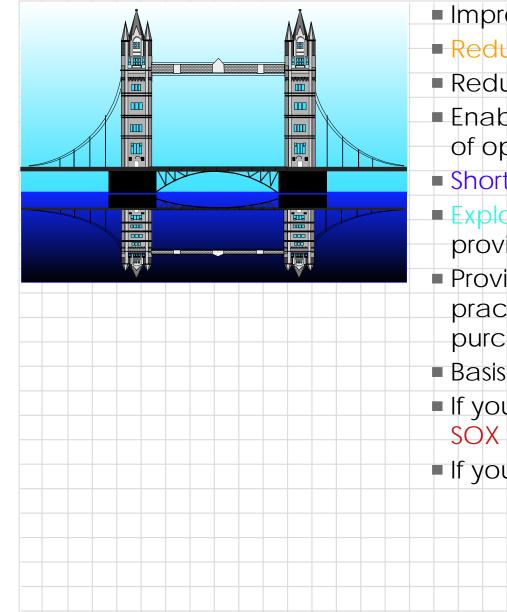
Coverage

 Background (myself and Inspired) Enterprise Architecture 	
Components of EA	Statement of Contract of Contr
Business Architecture	
Business Process Architecture	
Business Process Engineering	and a stand and a stand and a stand a st
Requirements Definition	
 Impact into other EA dimensions Information Applications Technology 	Image:
Scoping Initiatives	
Examples and Case Studies	
Discussion	
References and Further Info	Image:
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What is an Enterprise Architecture?



Why We Need Enterprise Architecture



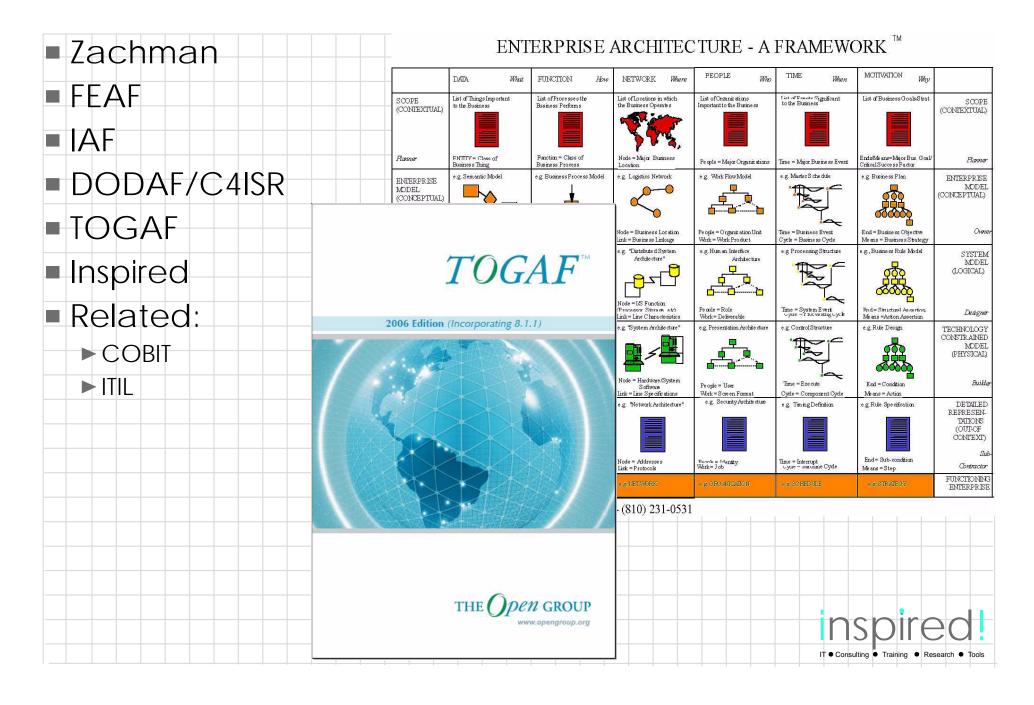
- Improve business benefit derived from I.T.
- Reduce costs associated with I.T.
- Reduce risk
- Enable desirable business changes, pursuit of opportunities
- Shorten lead times to realizing benefits
- Exploit emerging technologies which can provide strategic advantage
- Provide framework for decision making and practice within development, technology purchase and operations
- Basis for good governance
- If your company is listing and needs to be SOX compliant
- If you want budget in the US Federal Govt.

IT
Consulting

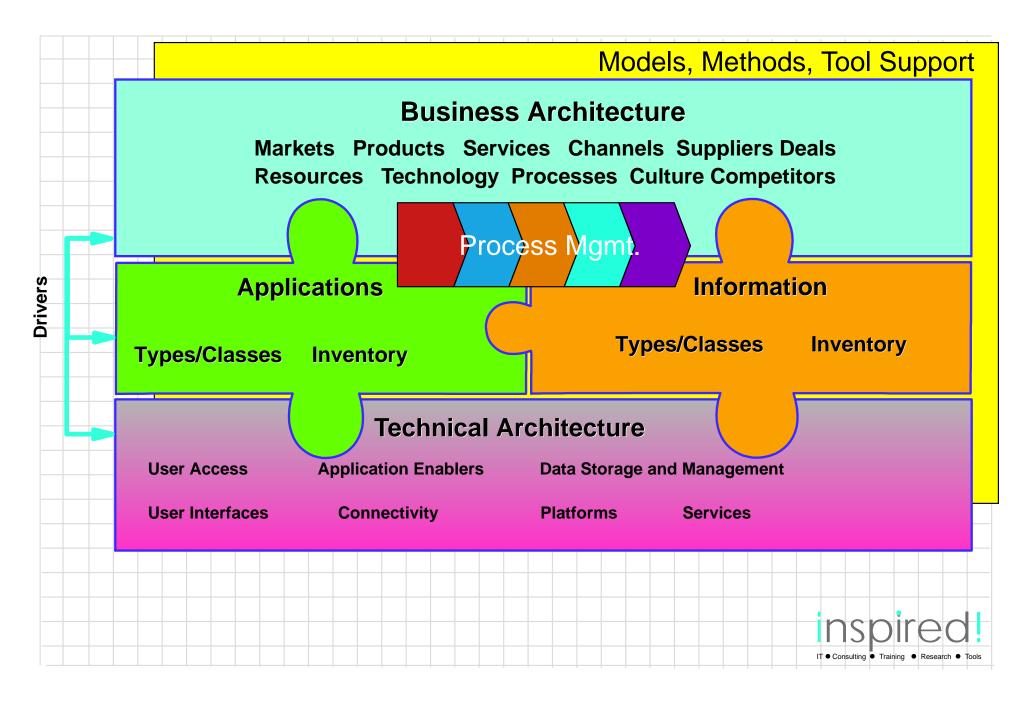
Training

Research

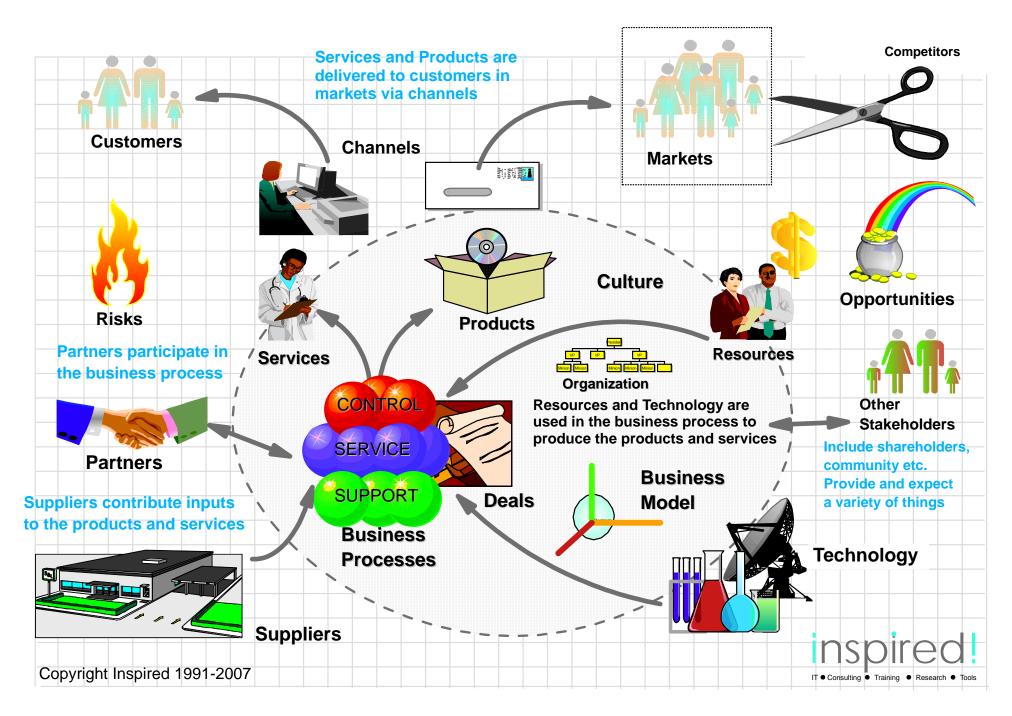
EA Frameworks and Methods



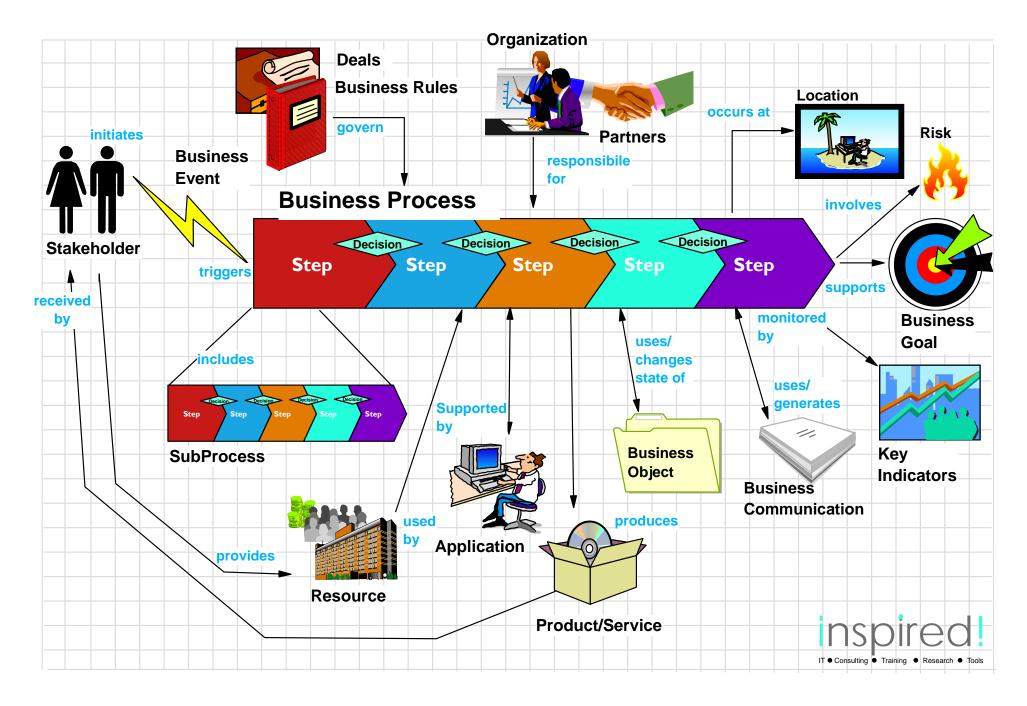
The Inspired Frameworks



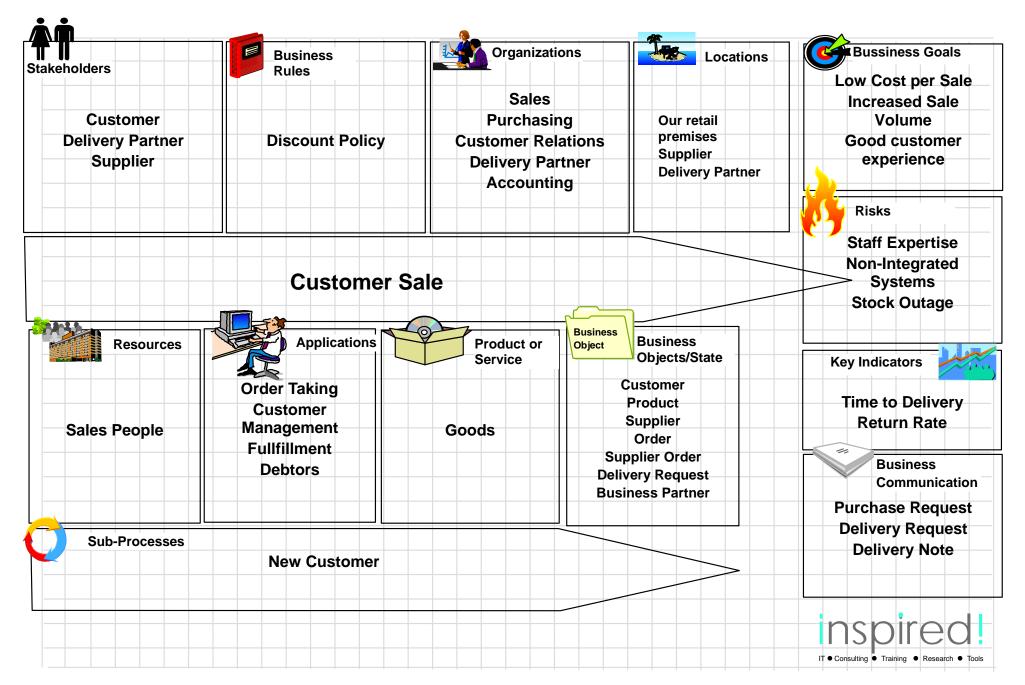
Business Architecture



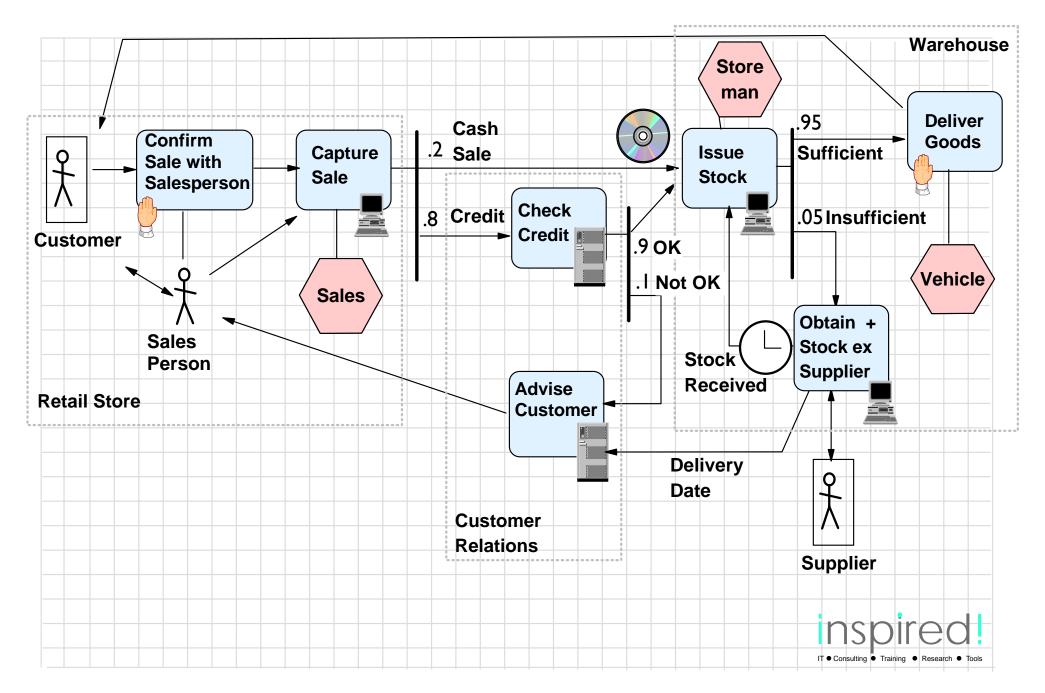
Business Process Architecture



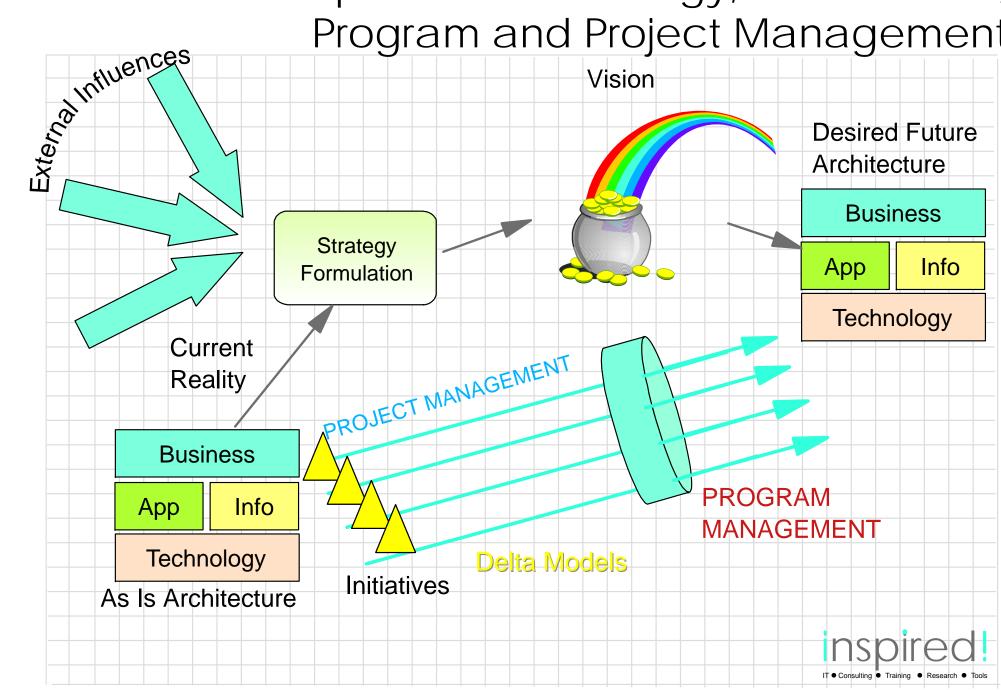
Process Architecture Example



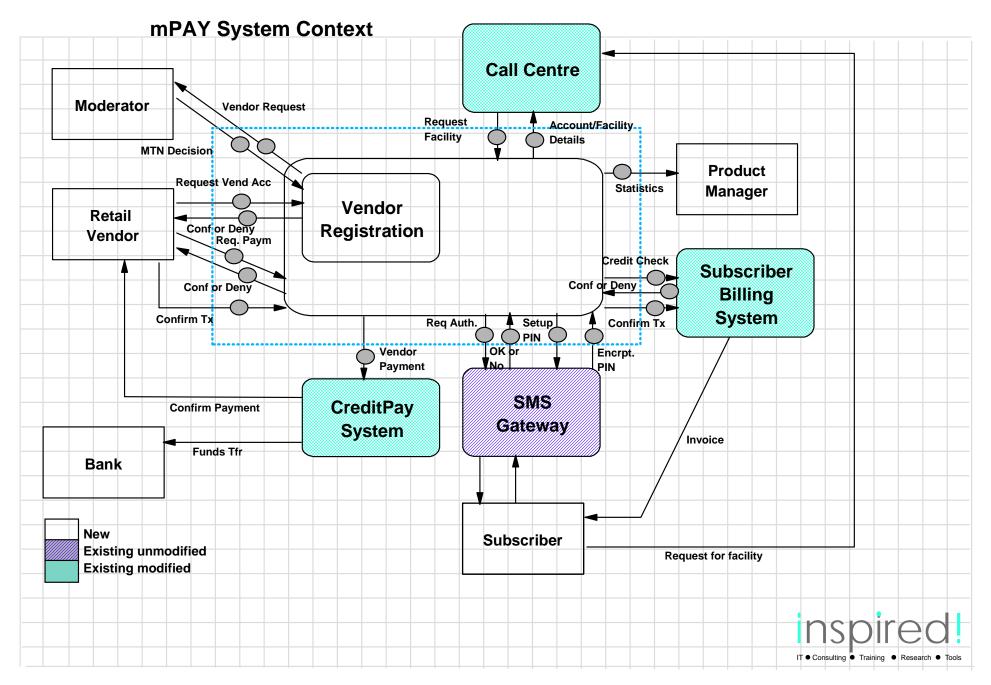
Business Process Model



Relationship between Strategy, Architecture, **Program and Project Management**



Project Delta Example



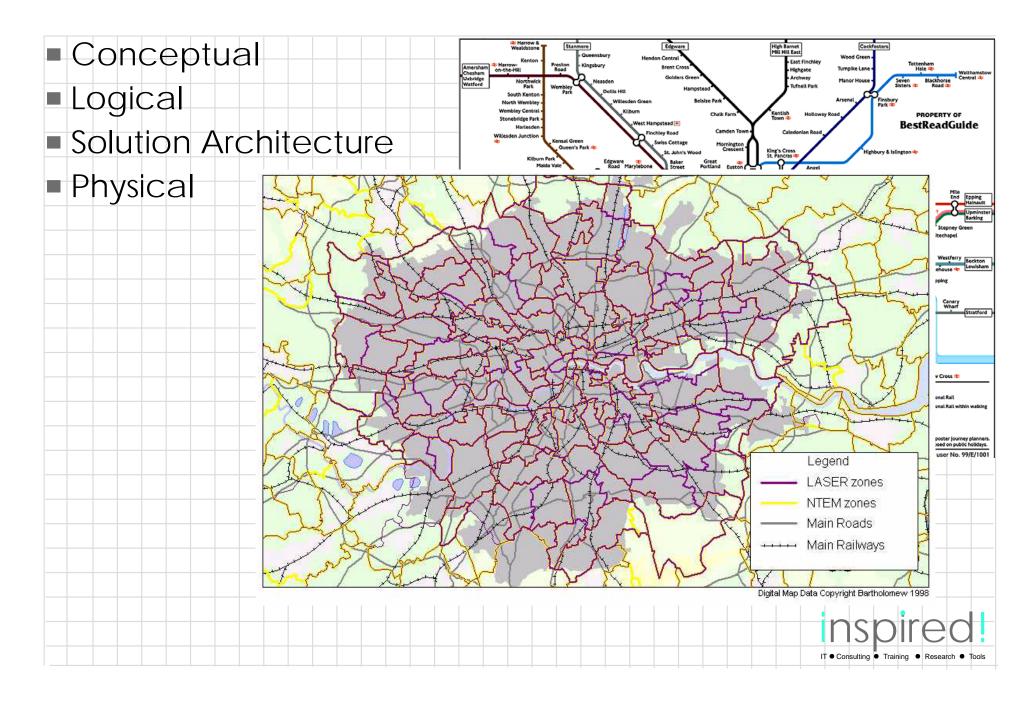
BA Plays Major Role in

Shaping the business approach	
Evaluating environmental impacts and imperatives	
► Focussing effort of analysis	1
Defining Desirable Scenarios	Pa
Envisioning Future Processes	
Creating new relationships	W
Defining Requirements	
Functional Requirements	
Process Requirements	
Organization/Job Design	
Business Rules	
Information Requirements	
Scoping of Information Systems, Change Initiatives, Projects	
	In

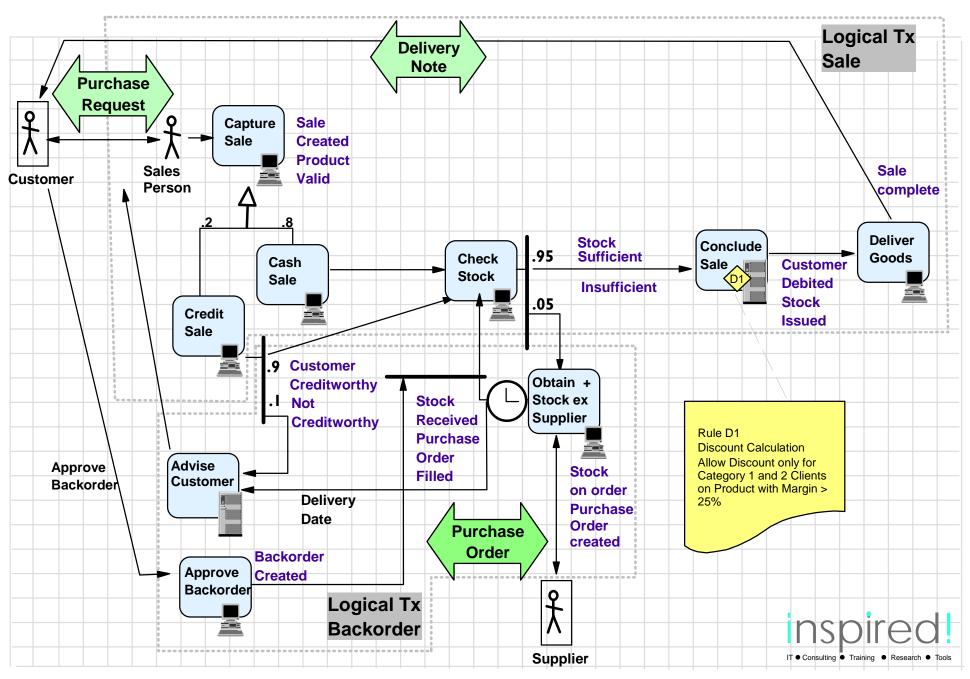




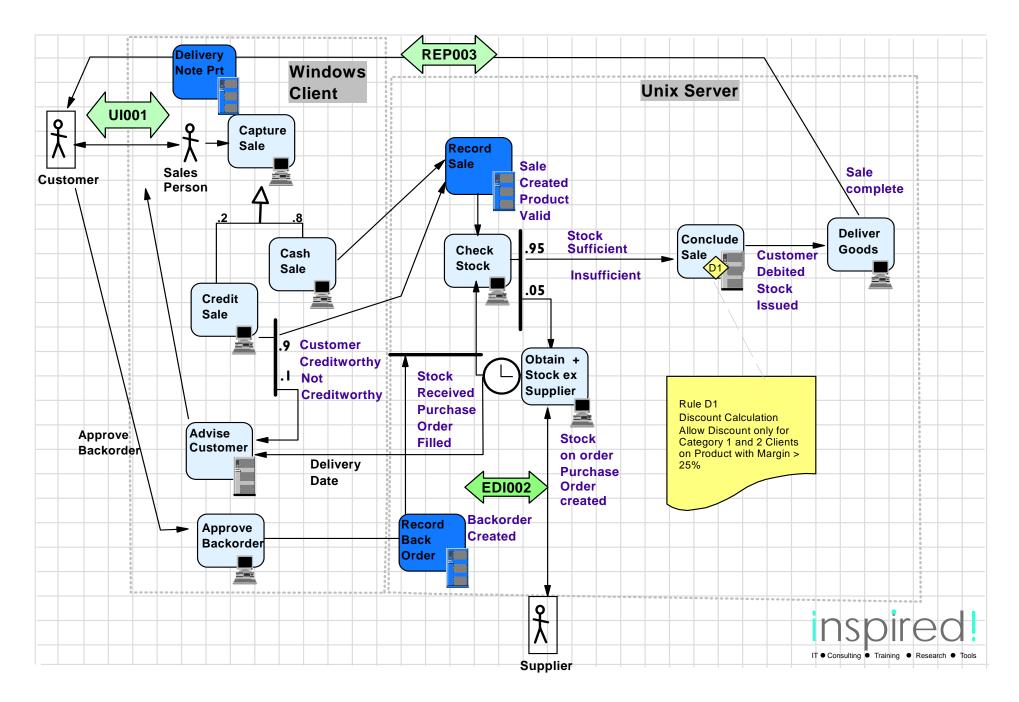
Layers of Models



Example: System Level Model



Example: Design Level Model



Clear Linkage from Business

Goals and Events to	
Business Services	
► System Services	
Technology Services and Infrastructure	
► Information Services	
Requirements Traceability	-9
Governance Traceability	

Impact Analysis

BA needs a high level of Domain Knowledge

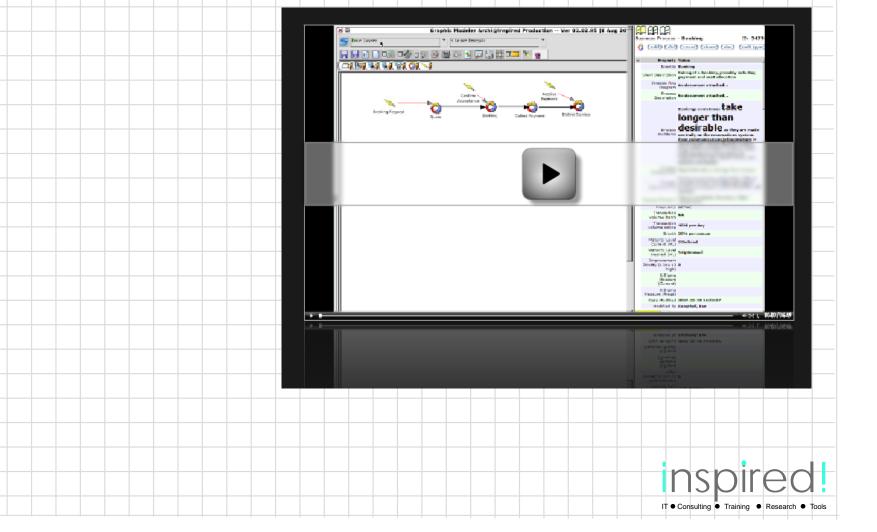
► viz. Assurance vs Banking vs Retail...

Certainly a requirement for international positions

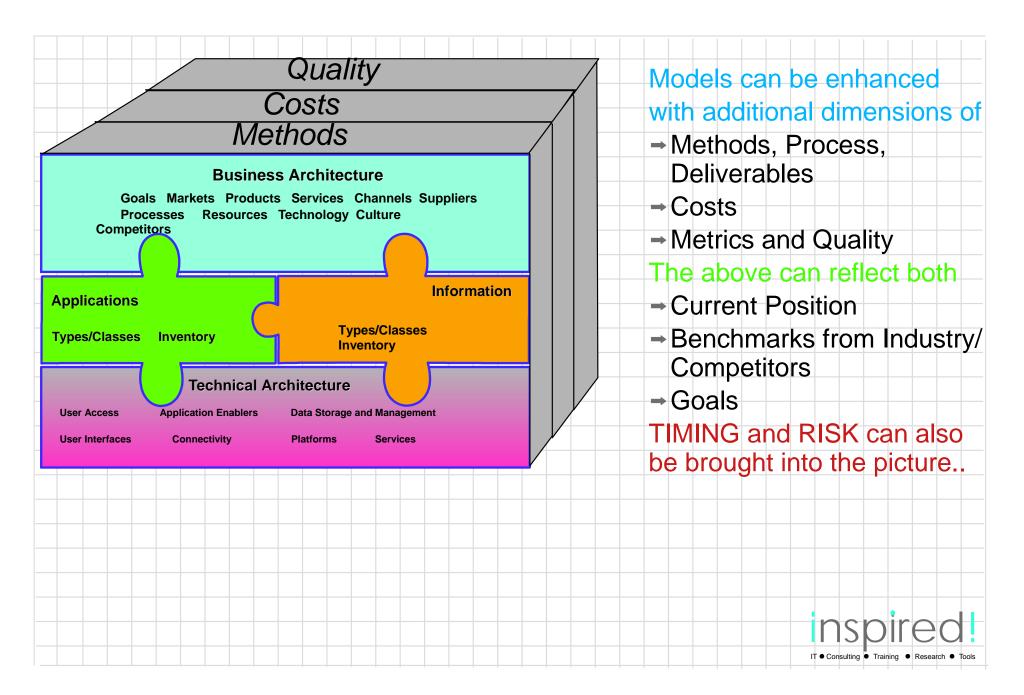
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4 Layer Model Example

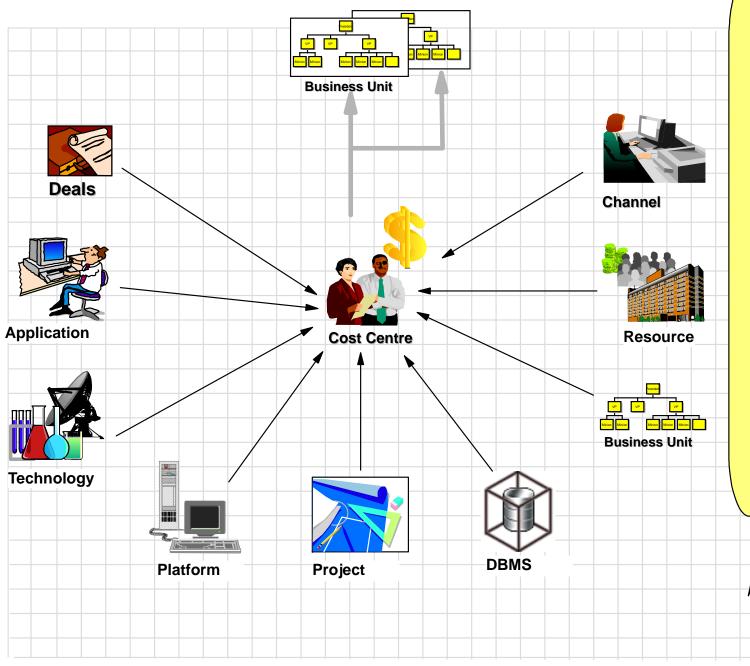
Short video clip illustrating modeling from the business dimension, thru process, down to application and technology



Third Dimension



Enhancing the Models - Cost Perspective



the cost elements are already in the architecture models! We need to add attributes to individual items to record the various relevant costs; then implement a mechanism to accumulate them. This adds a model element for Cost Centre, Costs accumulated there can, in turn, be apportioned across business units. This is a flexible approach that allows

Turns out that most of

various cost categories to be monitored - various models can be simultaneously implemented

IT

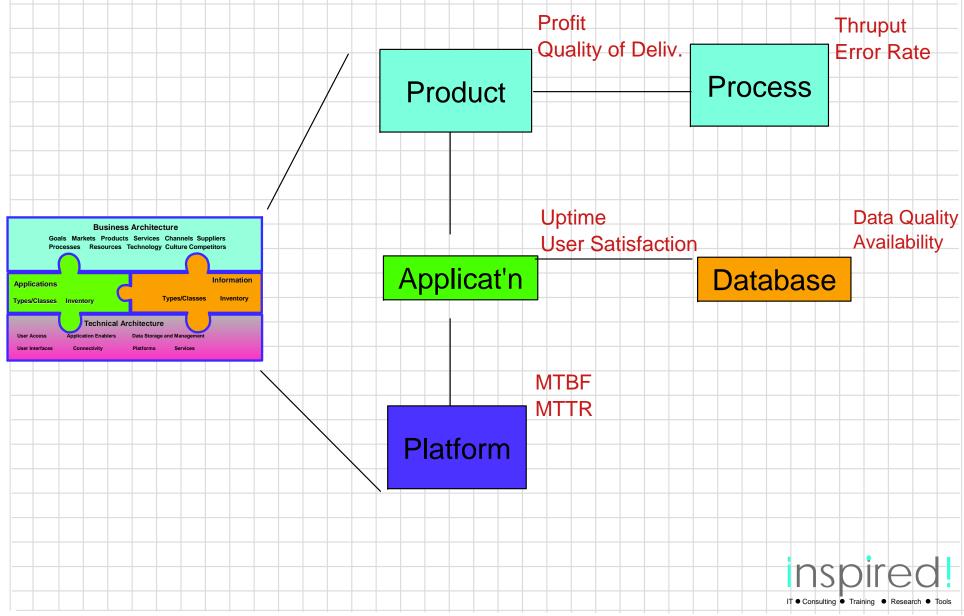
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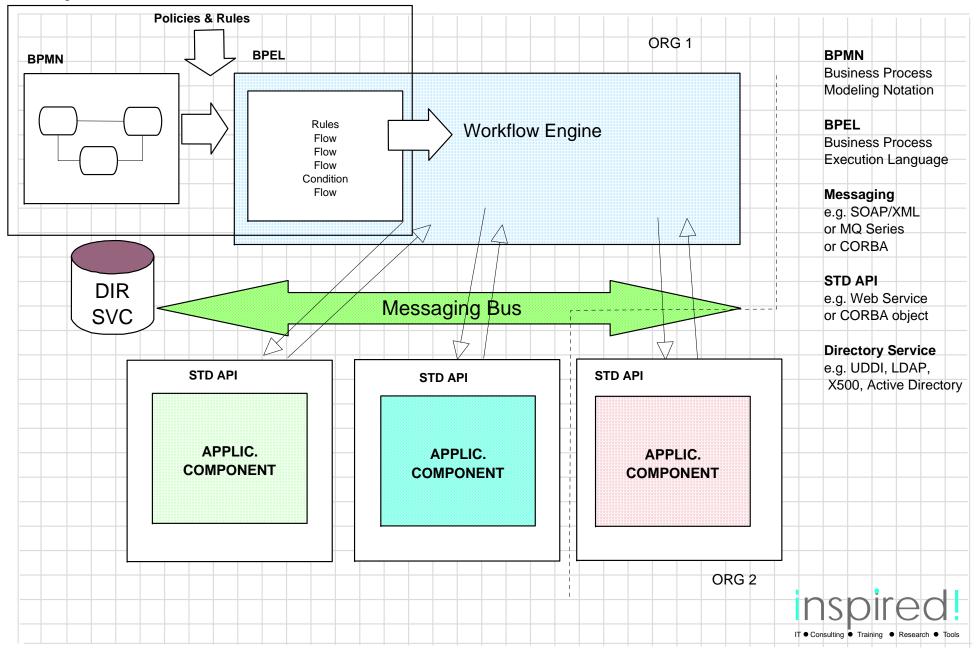
Tools

Architectures and Process Management Enable Quality Improvement



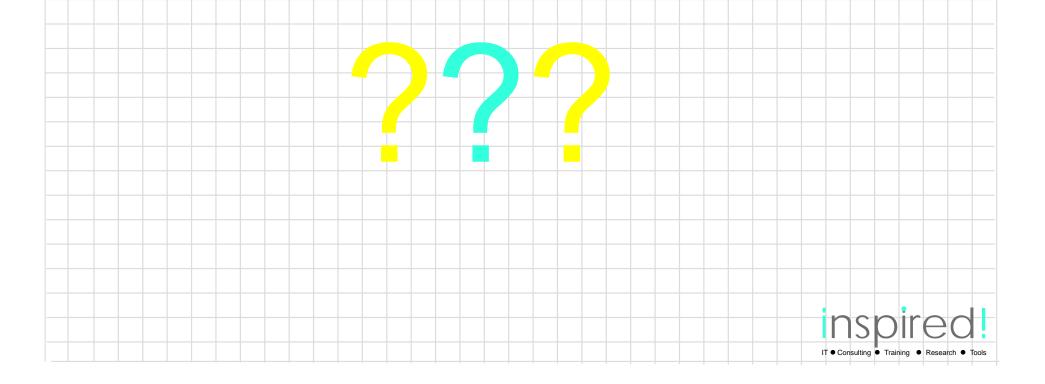
Standards for Interorganizational Systems

Modeling Tool



Conclusion & Discussion

- Very large overlap between Business Analysis and EA scope
 Also between required skill sets..
- BA's have a very central role to play in EA
- EA role is a career growth path for analysts, particularly in the Business and Process Architecture dimensions



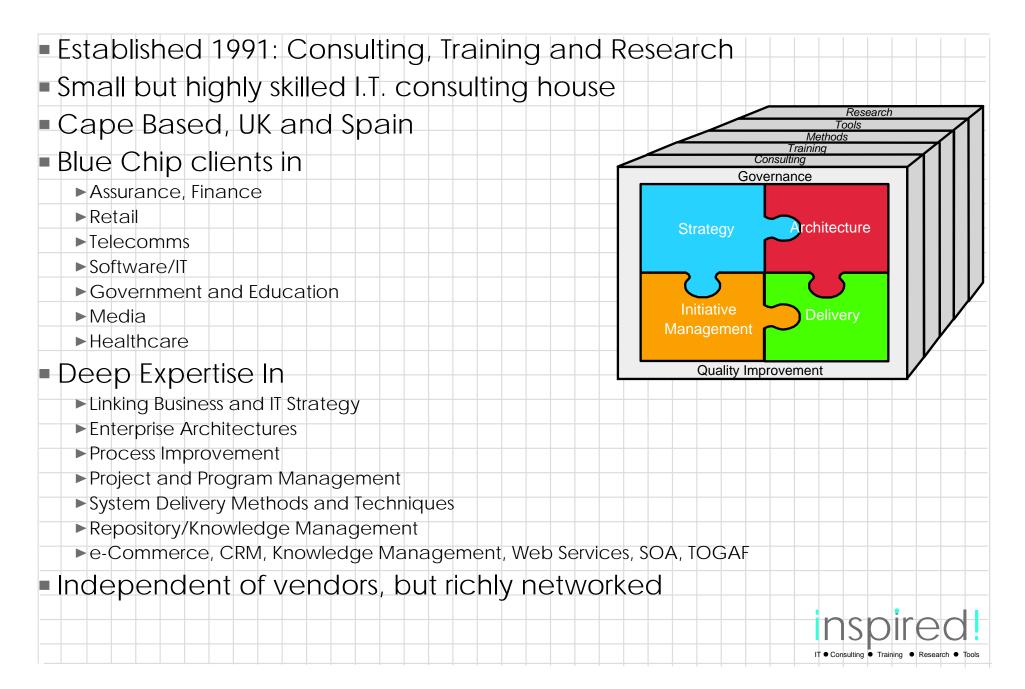
References and Futher Info

Archi Collaborative Enterprise Modeling Tool: http://www.inspired.org				
BPMN: http://www.bpmi.org http://www.omg.org				
Cover page image of development of universe simulation:				
T. Di Matteo, J. Colberg, V. Springel, L. Hernquist & D. Sijacki, "Direct Cosmological Simulations of				
the Growth of Black Holes and Galaxies," Astrophysical Journal, 2007 (forthcoming).				
General EA Coverage: (Extensive site!) http://www.enterprise-architecture.info/				
Inspired Enterprise Architecture Frameworks: http://www.inspired.org				
TOGAF - Open Group: http://www.opengroup.org				
Zachman - ZIFA: http://www.zifa.com				
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Inspired



Anchi Collaborative Enterprise Engineering Tool

Benefits of Collaboration

- Involvement of more perspectives and subject experts
- Higher quality input and models
- Distribution of effort and greater total effort applied
- Reduction of time to produce results
- Higher awareness and buy in of all relevant parts of the organization => higher architectural compliance
- Greater agility

