

Business Model Innovation: Research and Practice Across the IfM

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The importance of business model innovation

Themes in business model innovation across IfM

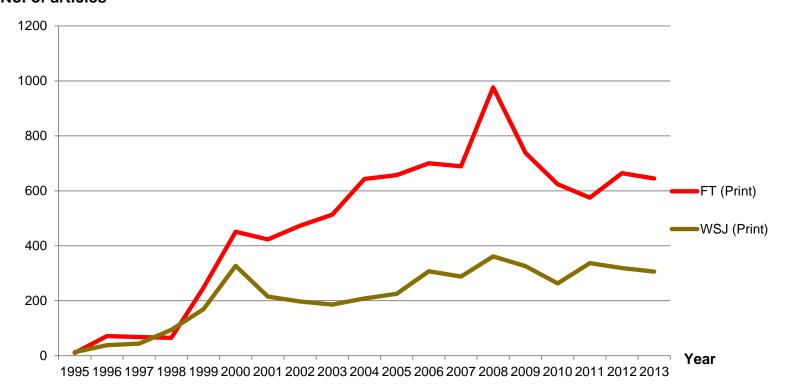




Business models have become increasingly important

Business Model articles in the FT and WSJ

No. of articles

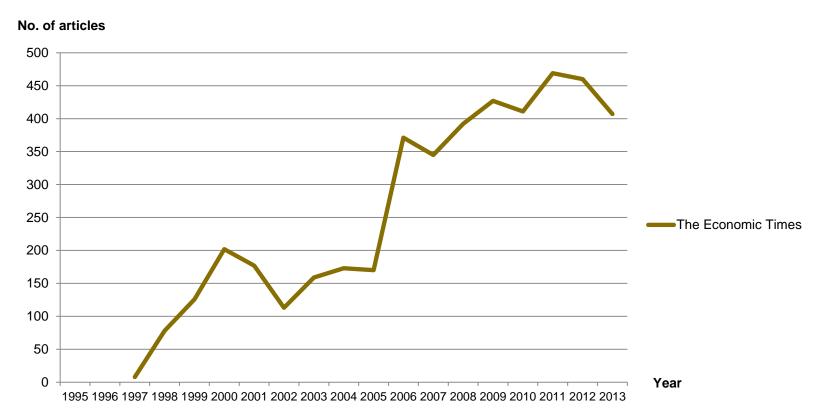






Similar trend in the Indian financial press...

Business Model articles in The Economic Times (India)







...and also in China

Business Model articles in The China Daily

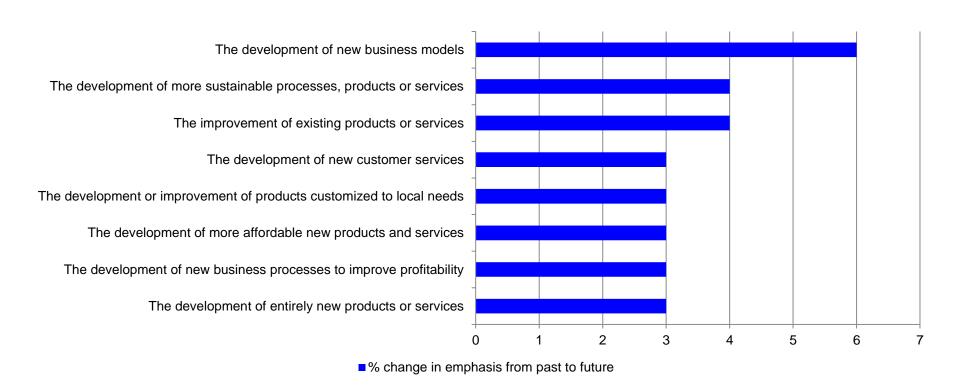






Business model innovation and performance

What kind of innovation will/have contribute(d) most to your company's performance?



Source: GE Global Research Findings & Insights January 2013; surveyed 3000 executives in 25 countries





The 4V's of a business model

Value Proposition

Who are your customers and what do they value?

- Product/Service
- Price
- (3) Place
- **Promotion**

Value Creation

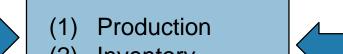
How is our value chain configured?

- Inventory

Value Capture

What is the economic logic to make a return?

- Revenue architecture
- Cost architecture





Financing

Value Network

What is the position in the value network?

- (1) Capabilities
- (2) Complementarities
- (3) Major partners





New business models have transformed industries



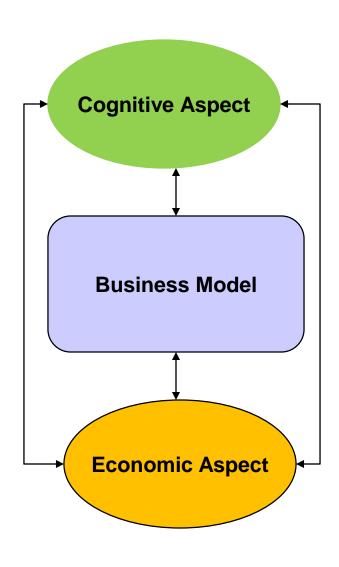








Business models have both cognitive and economic aspects







Polaroid



Satura Sa

- First instant camera in 1948
- In 1972, invented the SX-70 (one step developing with no waste)
- Between 1948-1978 annual growth
 - -23% in sales
 - 17% in profit
 - -17% in share price

Source; Tripsas and Gavetti, SMJ, 2000





Focus was on major technological developments

'Do not undertake the program unless the goal is manifestly important and its achievement nearly impossible'

- 1980 annual report - letter to shareholders

Source; Tripsas and Gavetti, SMJ, 2000





The razor-blade business model



- In 1965 the 'Swinger model'
 - dropped prices on hardware
 - -stimulate demand on film
 - -increase price on film

Source; Tripsas and Gavetti, SMJ, 2000





Cognitive aspect drove the economic outcome at Polaroid

- '....in the photographic business all the money is in the software, none of it's in the hardware...so the fundamental objective in these things was to find ways to advance products but that would be useful for improving the software sales'.
 - -Ex CEO Polaroid
- Rejected developments in digital photography

Source: Tripsas and Gavetti, SMJ, 2000





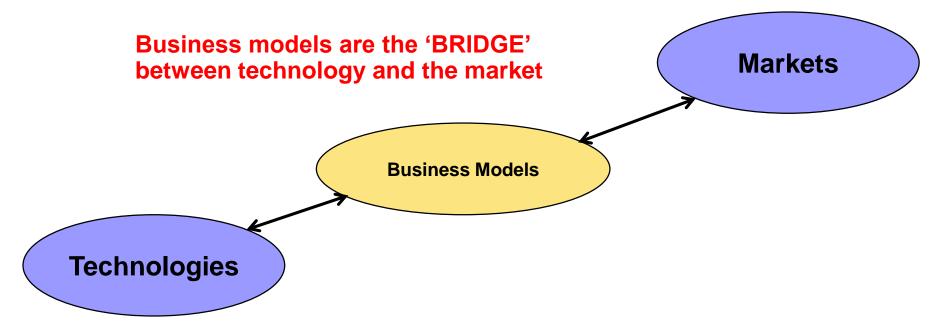
Key themes

- Technology, Innovation and Servitization
- Sustainability
- Economic Development
- Business Support Tools and Services





Technology Management



- Centre for Technology Management: role of technology and innovation management
 - development and delivery of new products and services
 - industrial emergence and business ecosystems
- Roadmapping: articulate the strategic vision for early stage ventures in business model terms.





New technology and business models

'Bit by Bit': Digital fabrication and business model development

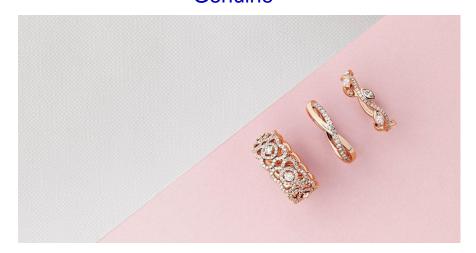


Tooth and Dental Implants



DEBEERS

Equipment for Diamond Testing – Genuine







Servitization, Information Management and Global Networks

IBM.

zoetis

Cambridge Service Alliance

CATERPILLAR®





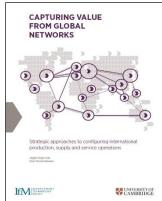
The Distributed Information and Automation Laboratory (DIAL):

advanced information systems



The **Centre for International Manufacturing:** global value networks







Centre for Industrial Sustainability

 Business as usual is not an option due to unsustainable rate of consumption take 1.5 years to regenerate renewable resources consumed in one year

Sustainable business model archetype



- Business Models for Sustainable Industrial Systems with partners Toyota and Riversimple.
- Redress drive garment recovery and retained value through business model and supply chain innovation - Marks & Spencer.

Source: Bocken et al, (2014) Journal of Cleaner Production, 65, 42-56





Economic and Industrial Development

- Economic Development and Policy
 - Malaysia-UK Innovation Alliance

 Centre for Science, Technology and Innovation Policy (CSTI)



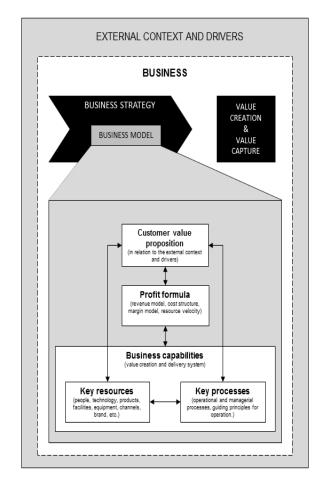






Business support tools for business model development

- IfM ECS designs and applies business support tools and processes based on University of Cambridge research
 - business advisory services
 - executive education
- Business models related toolsets
 - Early stage venture strategy
 - Business scale up
 - Marketing toolkit
 - Service toolkit
 - Embedding sustainability profitably







The business model can drive other types innovation

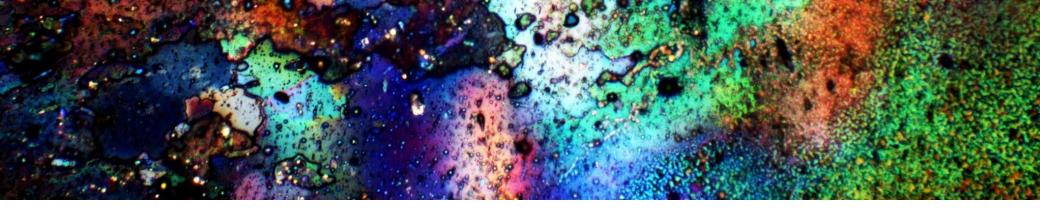
"When the business model is innovative, operations and the product will follow automatically."

Ronald de Jong, CEO Philips CL, Germany

Source: IBM, The Global CEO study 2008







Thank you

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