

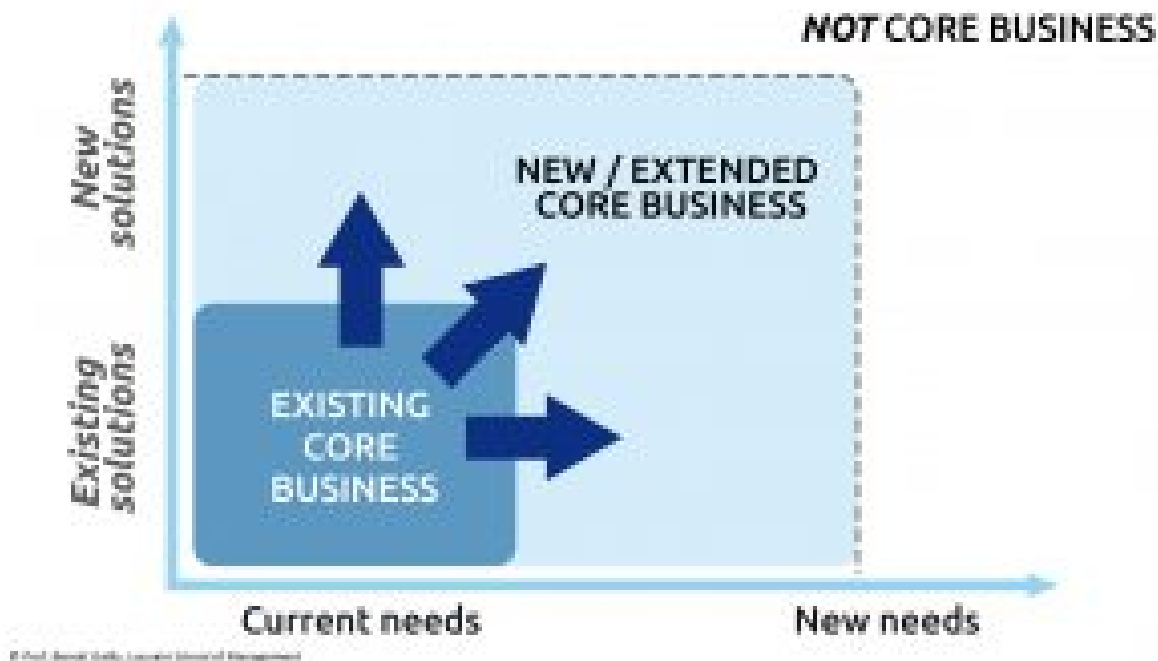
By Benoît Gailly, 17 January 2018

Innovation strategies: beyond new product development

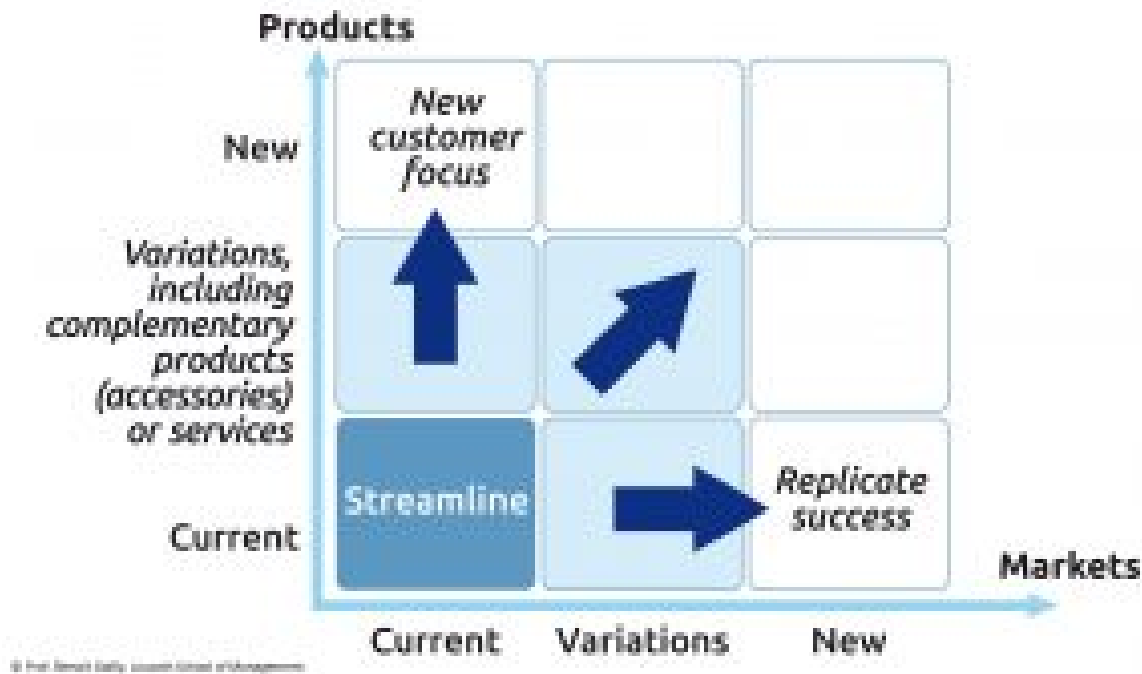
NEW: Watch the executive summary

[Voir la vidéo](#)

The first way to develop an innovation strategy is to (re)define where the firm wants to compete, what it defines as being part of its (new) “**core business**”. Specifically, this means finding new ways to explore - not just exploit - and reconfigure its business portfolio.



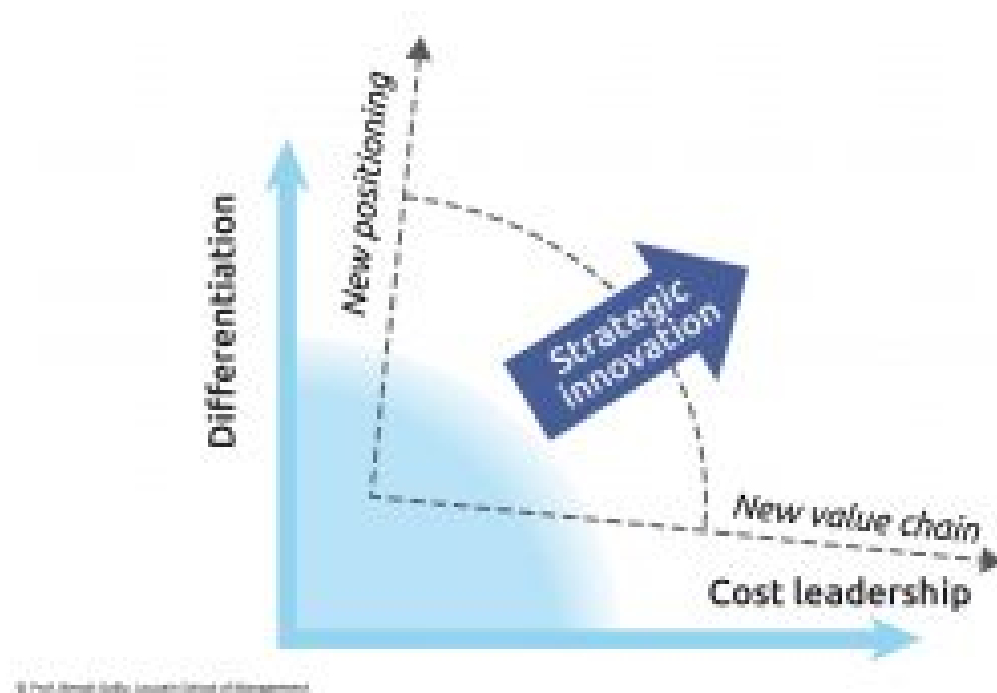
The second way to develop an innovation strategy is to redefine **how the firm wants its businesses to compete** and which product/market positioning and value chain it wants them to build and sustain.



A key element of an innovation strategy is to understand that **first is not always best**. A firm should assess and define how quickly it wants to enter new business areas and manage innovation accordingly.



One high-risk/high-potential innovation strategy is to challenge generic strategies and define and implement a “**strategic innovation**,” a radical redefinition of where and how a firm wants to compete and shape its future.



Bibliography

Innovative corporate strategies: (re)define the core business

Keywords: adjacent opportunities, BCG matrix, business portfolio, core business, corporate strategy, directions of development, diversification, exploration/exploitation, GE-McKinsey matrix, playground, strategy

- (Book) Foster, R., & Kaplan, S. (2011). [Creative Destruction](#): Why Companies That Are Built to Last Underperform the Market-And How to Successfully Transform Them. Crown Business.
- (Book) Hamel, G. and Prahalad, C.K. (1994) [Competing for the future](#), Harvard Business School Press
- (Book) Robertson, D., & Breen, B. (2013), [Brick by brick: How LEGO rewrote the rules of innovation and conquered the global toy industry](#). Crown Business.
- (Book) Schulze, P. (2009). [Balancing exploitation and exploration: Organizational antecedents and performance effects of innovation strategies](#). Springer.
- (Book) Verganti, R. (2017). [Overcrowded: designing meaningful products in a world awash with ideas](#). MIT Press.
- (Book) Zook, C., & Allen, J. (2001), [Profit from the Core](#). Boston, MA: Harvard Business School Press.
- (Video) Knut Haanaes: [Two reasons companies fail — and how to avoid them](#) (TED talk)
- (Article) Anthony, S. D., Eyring, M., & Gibson, L. (2006). Mapping your innovation strategy. *Harvard Business Review*, 84(5), 104-13.
- (Article) Aspara, J., Lamberg, J. A., Laukia, A., & Tikkanen, H. (2013). Corporate business model transformation and inter-organizational cognition: The case of Nokia. *Long Range*

Planning, 46(6), 459-474.

- (Article) Barnett, W. P., Greve, H. R., & Park, D. Y. (1994). An evolutionary model of organizational performance. *Strategic Management Journal*, 15(S1), 11-28.
- (Article) Bowman, E. H., & Helfat, C. E. (2001). Does corporate strategy matter?. *Strategic Management Journal*, 22(1), 1-23.
- (Article) Calandro, J., & Paharia, V. (2019). Disruptive technologies, “Black Swans” and corporate innovation strategy. *Strategy & Leadership*.
- (Article) Cheng, Y.T. & Van de Ven A.H. (1996). Learning the innovation journey: order out of chaos? *Organization Science*, 7(6), 593-614.
- (Article) Clausen, T. H., Korneliussen, T., & Madsen, E. L. (2013). Modes of innovation, resources and their influence on product innovation: Empirical evidence from R&D active firms in Norway. *Technovation*, 33 (6-7), 225-233.
- (Article) Day, G. S., & Schoemaker, P. J. (2004). Driving through the fog: managing at the edge. *Long Range Planning*, 37(2), 127-142.
- (Article) Eggers, J. P., & Kaplan, S. (2009). Cognition and renewal: Comparing CEO and organizational effects on incumbent adaptation to technical change. *Organization Science*, 20(2), 461-477.
- (Article) Fitzgerald, T., Balsmeier, B., Fleming, L., & Manso, G. (2020). Innovation search strategy and predictable returns. *Management Science*.
- (Article) Furrer, O., Thomas, H., & Goussevskaja, A. (2008). ‘The structure and evolution of the strategic management field: a content analysis of 26 years of strategic management research’. *International Journal of Management Reviews*, 10, 1-23.
- (Article) Galunic, D. C., & Eisenhardt, K. M. (2001). Architectural innovation and modular corporate forms. *Academy of Management Journal*, 44(6), 1229-1249.
- (Article) Gassmann, O., Widenmayer, B., & Zeschky, M. (2012). Implementing radical innovation in the business: the role of transition modes in large firms. *R&D Management*, 42(2), 120-132.
- (Article) Gavetti, G., Levinthal, D. A., & Rivkin, J. W. (2005). Strategy making in novel and complex worlds: The power of analogy. *Strategic Management Journal*, 26(8), 691-712.
- (Article) Greve, H. (2007). Exploration and Exploitation in Product Innovation. *Industrial and Corporate Change*, 16(5), 945-975.
- (Article) Gupta, A. K., Smith, K. G., & Shalley, C. E. (2006). The interplay between exploration and exploitation. *Academy of Management Journal*, 49(4), 693-706.
- (Article) Helfat, C. E., & Eisenhardt, K. M. (2004). Inter-temporal economies of scope, organizational modularity, and the dynamics of diversification. *Strategic Management Journal*, 25(13), 1217-1232.
- (Article) He, Z. L., & Wong, P. K. (2004). Exploration vs. exploitation: An empirical test of the ambidexterity hypothesis. *Organization Science*, 15(4), 481-494.
- (Article) Henderson, R. (1993). Underinvestment and incompetence as responses to radical innovation: Evidence from the photolithographic alignment equipment industry. *The RAND Journal of Economics*, 248-270.
- (Article) Jansen, J. J., Van Den Bosch, F. A., & Volberda, H. W. (2006). Exploratory innovation, exploitative innovation, and performance: Effects of organizational antecedents and environmental moderators. *Management Science*, 52(11), 1661-1674.
- (Article) Kaplan, S. (2011). Research in cognition and strategy: Reflections on two decades of progress and a look to the future. *Journal of Management Studies*, 48(3), 665-695.

- (Article) Kaplan, S., & Orlikowski, W.J. (2013). Temporal work in strategy making. *Organization Science*, 24(4), 965-995.
- (Article) Kim, S. K., Arthurs, J. D., Sahaym, A. and Cullen, J. B. (2013). Search behavior of the diversified firm: The impact of fit on innovation. *Strategic Management Journal*, 34, 999-1009. doi:10.1002/smj.2038
- (Article) Lavie, D., Stettner, U., & Tushman, M.L. (2010). Exploration and Exploitation Within and Across Organizations. *Academy of Management Annals*, 4, 109-155.
- (Article) Lennerts, S., Schulze, A., & Tomczak, T. (2019). The asymmetric effects of exploitation and exploration on radical and incremental innovation performance: An uneven affair. *European Management Journal*.
- (Article) Levinthal, D. A. (2011). A behavioral approach to strategy—what’s the alternative?. *Strategic Management Journal*, 32(13), 1517-1523.
- (Article) Makri, M., & Scandura, T. A. (2010). Exploring the effects of creative CEO leadership on innovation in high-technology firms. *The Leadership Quarterly*, 21(1), 75-88.
- (Article) Mueller, V., Rosenbusch, N., & Bausch, A. (2013). Success patterns of exploratory and exploitative innovation: A meta-analysis of the influence of institutional factors. *Journal of Management*, 39(6), 1606-1636.
- (Article) Phillips, N., Lawrence, T. B., & Hardy, C. (2004). Discourse and institutions. *Academy of Management Review*, 29(4), 635-652.
- (Article) Piao, M., & Zajac, E. J. (2016). How exploitation impedes and impels exploration: Theory and evidence. *Strategic Management Journal*, 37(7), 1431-1447.
- (Article) Prahalad, C. K. (2004). The blinders of dominant logic. *Long Range Planning*, 37(2), 171-179.
- (Article) Raffaelli, R., Glynn, M. A., & Tushman, M. (2019). Frame flexibility: The role of cognitive and emotional framing in innovation adoption by incumbent firms. *Strategic Management Journal*, 40(7), 1013-1039.
- (Article) Rijamampianina, R., Abratt, R., & February, Y. (2003). A framework for concentric diversification through sustainable competitive advantage. *Management Decision*, 41(4), 362-371.
- (Article) Robins, J., & Wiersema, M. F. (1995). A resource-based approach to the multibusiness firm: Empirical analysis of portfolio interrelationships and corporate financial performance. *Strategic Management Journal*, 16(4), 277-299.
- (Article) Rothaermel, F.T., & Deeds, D. (2004). Exploration and exploitation alliances in biotechnology: A system of new product development. *Strategic Management Journal*, 25 (3), 201-221.
- (Article) Rothaermel, F. T., & Alexandre, M. T. (2009). Ambidexterity in technology sourcing: The moderating role of absorptive capacity. *Organization science*, 20(4), 759-780.
- (Article) Smith, W. K., Binns, A., & Tushman, M. L. (2010). Complex business models: Managing strategic paradoxes simultaneously. *Long Range Planning*, 43(2-3), 448-461.
- (Article) Stettner, U., & Lavie, D. (2014). Ambidexterity under scrutiny: Exploration and exploitation via internal organization, alliances, and acquisitions. *Strategic management journal*, 35(13), 1903-1929.
- (Article) Suddaby, R., & Greenwood, R. (2005). Rhetorical strategies of legitimacy. *Administrative Science Quarterly*, 50(1), 35-67.
- (Article) Uotila, J., Maula, M., Keil, T., & Zahra, S. A. (2009). Exploration, exploitation, and financial performance: analysis of S&P 500 corporations. *Strategic Management Journal*,

30(2), 221-231.

- (Article) Wan, W., Hoskisson, R., Short, J., & Yiu, D. (2011). 'Resource-based theory and corporate diversification: accomplishments and opportunities'. *Journal of Management*, 37, 1335-1368.
- (Article) Zhou, K. Z., & Wu, F. (2010). Technological capability, strategic flexibility, and product innovation. *Strategic Management Journal*, 31(5), 547-561.
- (Article) Zook, C. (2007). Finding your next core business. *Harvard Business Review*, 85(4), 66-75.

Innovative business strategies: redefine how to compete

Keywords: *Ansoff matrix, business strategy, business value chain, cost leadership, disintermediation, industry value chain, intermediation, product/market strategy*

- (Book) Porter, Michael E. (1985). [Competitive Advantage: Creating and Sustaining Superior Performance](#). New York.: Simon and Schuster..
- (Book) Skarzynski, P. & Gibson, R. (2008) [Innovation to the core](#). Harvard Business Press
- (Book) Teixeira, T. S., & Piechota, G. (2019). [Unlocking the Customer Value Chain: How Decoupling Drives Consumer Disruption](#). Broadway Business.
- (Video) Stanford Course – [Innovating Through Value Chains](#)
- (Article) Adner, R., & Kapoor, R. (2010). Value creation in innovation ecosystems: How the structure of technological interdependence affects firm performance in new technology generations. *Strategic management journal*, 31(3), 306-333.
- (Article) Chesbrough, H. & Rosenbloom, R. S. (2002). "The role of the business model in capturing value from innovation: evidence from Xerox Corporation's technology spin-off companies" *Industrial and Corporate Change*, 11(3), 529-555.
- (Article) Globocnik, D., Faullant, R., & Parastuty, Z. (2020). Bridging strategic planning and business model management-A formal control framework to manage business model portfolios and dynamics. *European Management Journal*, 38(2), 231-243.
- (Article) Hughes, M., Martin, S. L., Morgan, R. E., & Robson, M. J. (2010). Realizing product-market advantage in high-technology international new ventures: The mediating role of ambidextrous innovation. *Journal of International Marketing*, 1-21.
- (Article) Ireland, R.D., Covin, J.G., & Kuratko, D.F. (2009). Conceptualizing corporate entrepreneurship strategy. *Entrepreneurship Theory and Practice*, 33(1), 19-46.
- (Article) Ireland, R. D., & Webb, J. W. (2007). Strategic entrepreneurship: Creating competitive advantage through streams of innovation. *Business horizons*, 50(1), 49-59.
- (Article) Lee, J., & Berente, N. (2012). Digital innovation and the division of innovative labor: Digital controls in the automotive industry. *Organization Science*, 23(5), 1428-1447.
- (Article) Markides, C. C. (1999). A dynamic view of strategy. *Sloan Management Review*, 40(3), 55.
- (Article) Miller, D. (1987). The structural and environmental correlates of business strategy. *Strategic Management Journal*, 8(1), 55-76.
- (Article) Mintzberg, H. (1987). The strategy concept I: Five Ps for strategy. *California Management Review*, 30(1), 11-24.
- (Article) Ragatz, G. L., Handfield, R. B., & Petersen, K. J. (2002). Benefits associated with supplier integration into new product development under conditions of technology

uncertainty. *Journal of Business Research*, 55(5), 389-400.

- (Article) Sawhney, M., Wolcott, R. C., & Arroniz, I. (2006). The 12 different ways for companies to innovate. *MIT Sloan Management Review*, 47(3), 75.
- (Article) Winterhalter, S., Zeschky, M. B., & Gassmann, O. (2016). Managing dual business models in emerging markets: An ambidexterity perspective. *R&D Management*, 46(3), 464-479.
- (Article) Wise, R., & Baumgartner, P. (1999). Go downstream. *Harvard Business Review*, 77(5), 133-141.
- (Article) Zott, C., & Amit, R. (2008). The fit between product market strategy and business model: implications for firm performance. *Strategic Management Journal*, 29(1), 1-26.

Timing: first is not always best

Keywords: *experience curve, incumbent, first mover (dis)advantage, follower, imitation, learning curve, lock-in, network effect, persistence of innovation, switching costs*

- (Book) Markides, C. C., & Geroski, P. A. (2004). [Fast second: How smart companies bypass radical innovation to enter and dominate new markets](#) (Vol. 325). John Wiley & Sons.
- (Book) Schilling M.A. (2006) [Strategic Management of Technological Innovation](#) (2d ed.) McGraw-Hill, Irwin
- (Video) The Zinnovants "[First is not always best](#)"
- (Article) Afuah, A. (2013). Are network effects really all about size? The role of structure and conduct. *Strategic Management Journal*, 34(3), 257-273.
- (Article) Argote, L., & Eppler, D. (1990). Learning curves in manufacturing. *Science*, 247(4945), 920-924.
- (Article) Arrow, K. J. (1962). The economic implications of learning by doing. *The Review of Economic Studies*, 29(3), 155-173.
- (Article) Arthur, W. B. (1989). Competing technologies, increasing returns, and lock-in by historical events. *The Economic Journal*, 99(394), 116-131.
- (Article) Bayus, B. L., & Agarwal, R. (2007). The role of pre-entry experience, entry timing, and product technology strategies in explaining firm survival. *Management Science*, 53(12), 1887-1902.
- (Article) Boudreau, K. J., & Jeppesen, L. B. (2015). Unpaid crowd complementors: The platform network effect mirage. *Strategic Management Journal*, 36(12), 1761-1777.
- (Article) Christensen, C.M., & Rosenbloom, R.S. (1995). Explaining the attacker's advantage: Technological paradigms, organizational dynamics, and the value network. *Research Policy*, 24(2), 233-257.
- (Article) Coeurderoy, R., & Durand, R. (2004). Leveraging the advantage of early entry: proprietary technologies versus cost leadership. *Journal of Business Research*, 57(6), 583-590.
- (Article) Covin, J. G., Slevin, D. P., & Heeley, M. B. (2000). Pioneers and followers: Competitive tactics, environment, and firm growth. *Journal of Business Venturing*, 15(2), 175-210.
- (Article) Dowell, G., & Swaminathan, A. (2006). Entry timing, exploration, and firm survival in the early US bicycle industry. *Strategic Management Journal*, 27(12), 1159-1182.
- (Article) Enkel, E., & Mezger, F. (2013). Imitation processes and their application for

- business model innovation: An explorative study. *International Journal of Innovation Management*, 17(01), 1340005.
- (Article) Franco, A. M., Sarkar, M. B., Agarwal, R., & Echambadi, R. (2009). Swift and smart: The moderating effects of technological capabilities on the market pioneering-firm survival relationship. *Management Science*, 55(11), 1842-1860.
 - (Article) Ganter, A., & Hecker, A. (2013). Persistence of innovation: discriminating between types of innovation and sources of state dependence. *Research Policy*, 42(8), 1431-1445.
 - (Article) Golder, P. N., & Tellis, G. J. (1993). Pioneer advantage: Marketing logic or marketing legend?. *Journal of Marketing Research*, 30(2), 158-170.
 - (Article) Grewal, R., Cline, T. W., & Davies, A. (2003). Early-entrant advantage, word-of-mouth communication, brand similarity, and the consumer decision-making process. *Journal of Consumer Psychology*, 13(3), 187-197.
 - (Article) Heeley, M. B., & Jacobson, R. (2008). The recency of technological inputs and financial performance. *Strategic Management Journal*, 29(7), 723-744.
 - (Article) Henderson, R. (2006). The innovator's dilemma as a problem of organizational competence. *Journal of Product Innovation Management*, 23(1), 5-11.
 - (Article) Hill, C. W., & Rothaermel, F. T. (2003). The performance of incumbent firms in the face of radical technological innovation. *Academy of Management Review*, 28(2), 257-274.
 - (Article) Jain, A. (2013). Learning by doing and the locus of innovative capability in biotechnology research. *Organization Science*, 24(6), 1683-1700.
 - (Article) King, A. A., & Tucci, C. L. (2002). Incumbent entry into new market niches: The role of experience and managerial choice in the creation of dynamic capabilities. *Management Science*, 48(2), 171-186.
 - (Article) Klepper, S., & Simons, K. L. (2000). Dominance by birthright: entry of prior radio producers and competitive ramifications in the US television receiver industry. *Strategic Management Journal*, 21(10-11), 997-1016.
 - (Article) Lafond, F., Bailey, A. G., Bakker, J. D., Rebois, D., Zadourian, R., McSharry, P., & Farmer, J. D. (2018). How well do experience curves predict technological progress? A method for making distributional forecasts. *Technological Forecasting and Social Change*, 128, 104-117.
 - (Article) Lee, G. K. (2009). Understanding the timing of 'fast-second' entry and the relevance of capabilities in invention vs. commercialization. *Research Policy*, 38(1), 86-95.
 - (Article) Levitt, S. D., List, J. A., & Syverson, C. (2013). Toward an understanding of learning by doing: Evidence from an automobile assembly plant. *Journal of Political Economy*, 121(4), 643-681.
 - (Article) Lieberman M.B., & Montgomery D. B. (1988). First-Mover Advantages. *Strategic Management Journal*, Vol. 9, Special Issue: Strategy Content Research. (Summer, 1988), 41-58.
 - (Article) Lilien, G. L., & Yoon, E. (1990). The timing of competitive market entry: An exploratory study of new industrial products. *Management Science*, 36(5), 568-585.
 - (Article) Madsen, T., & Leiblein, M. (2015). What Factors Affect the Persistence of an Innovation Advantage? *Journal of Management Studies*, 52, 1098-1127.
 - (Article) Markides, C., & Sosa, L. (2013). Pioneering and first mover advantages: the importance of business models. *Long Range Planning*, 46(4), 325-334.
 - (Article) Marx, M., Gans, J. S., & Hsu, D. H. (2014). Dynamic commercialization strategies for disruptive technologies: Evidence from the speech recognition industry. *Management*

Science, 60(12), 3103-3123.

- (Article) McElheran, K. (2015). Do market leaders lead in business process innovation? The case (s) of e-business adoption. *Management Science*, 61(6), 1197-1216.
- (Article) Ordanini, A., Rubera, G., & DeFillippi, R. (2008). 'The many moods of inter-organizational imitation: a critical review'. *International Journal of Management Reviews*, 10, 375-398.
- (Article) Reinganum, J. F. (1983). Uncertain innovation and the persistence of monopoly. *The American Economic Review*, 73(4), 741-748.
- (Article) Sharapov, D., & Ross, J. M. (2019). Whom should a leader imitate? Using rivalry-based imitation to manage strategic risk in changing environments. *Strategic Management Journal*.
- (Article) Sheremata, W. A. (2004). Competing through innovation in network markets: Strategies for challengers. *Academy of Management Review*, 29(3), 359-377.
- (Article) Urban, G.L., Carter, T., Gaskin, S., & Mucha, Z. (1986). Market share rewards to pioneering brands: An empirical analysis and strategic implications. *Management Science*, 32(6), 645-659.
- (Article) Vidal, E., & Mitchell, W. (2013). When do first entrants become first survivors?. *Long Range Planning*, 46(4-5), 335-347.

Off the beaten paths: strategic innovations

Keywords: *Blue Ocean strategy, strategic innovation*

- (Book) Chan Kim, W. & Mauborgne, R. (2005) [Blue Ocean Strategy](#): How to Create Uncontested Market Space and Make the Competition Irrelevant Harvard Business School Press
- (Book) Govindarajan V. & Trimble Ch. (2007) "[10 Rules for Strategic Innovators: From Idea to execution](#)" Harvard Business School Press Boston, Massachusetts
- (Book) Markides, C. C. (1999) [All the right moves: a guide to crafting breakthrough strategy](#), Cambridge MA, Harvard Business School Press
- (Book) Markides, C. C. (2013). [Game-changing strategies: How to create new market space in established industries by breaking the rules](#). John Wiley & Sons.
- (Video) [What is Blue Ocean Strategy?](#) Harvard Business Review
- (Video) [What is strategic innovation?](#) – Professor Costas Markides
- (Video) [7 Keys to Strategic Innovation](#). Educause, 2016
- (Article) Assink, M. (2006), "Inhibitors of disruptive innovation capability: a conceptual model", *European Journal of Innovation Management*, Vol. 9 Iss: 2 pp. 215 - 233
- (Article) Chan Kim, W., & Mauborgne, R. (2004). Value innovation: The strategic logic of high growth. *Harvard Business Review*, 82(7-8), 172-180.
- (Article) Choi, D., & Valikangas, L. (2001). Patterns of strategy innovation. *European Management Journal*, 19(4), 424-429.
- (Article) Cortimiglia, M. N., Ghezzi, A., & Frank, A. G. (2016). Business model innovation and strategy making nexus: evidence from a cross-industry mixed-methods study. *R&D Management*, 46(3), 414-432.
- (Article) Francis, D., & Bessant, J. (2005). Targeting innovation and implications for capability development. *Technovation*, 25(3), 171-183.

- (Article) Giesen, E., Riddleberger, E., Christner, R., & Bell, R. (2010). When and how to innovate your business model. *Strategy & leadership*. 38(4), 17-26
- (Article) Govindarajan, V., & Trimble, C. (2004). Strategic innovation and the science of learning. *MIT Sloan Management Review*, 45(2), 67.
- (Article) Hamel (1998) "Strategy innovation and the quest for value", *Sloan Management Review*, 39, p. 78
- (Article) Markides, C. (1998). Strategic innovation in established companies. *Sloan Management Review*, 39(3), 31-42
- (Article) Markides, C., & Charitou, C. D. (2004). Competing with dual business models: A contingency approach. *Academy of Management Perspectives*, 18(3), 22-36.
- (Article) Schlegelmilch et al. (2003) 'Strategic innovation: The construct, its drivers and its strategic outcomes', *Journal of Strategic Marketing*, vol. 11, p. 117-132

(c) Prof. Benoit Gailly, Louvain School of Management