



OPEN INNOVATION

"It is the use of purposeful inflows and outflows of knowledge to accelerate innovation internally while also expanding the markets for the external use of innovation" (Chesbrough 2006)

- The model involves: strategic exchanges of information with actors outside the boundaries of an organization; integration of resources and knowledge of other actors into the organization's own innovative process
- A company does not strive to generate the best ideas entirely by itself
- It seeks to utilize internal and external ideas to be more effective at managing cost and risk and to accelerate technology development
- Sources of knowledge include: suppliers, research centers, universities, consumers, competitors and companies with complementary offerings

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CONTRASTING PRINCIPLES OF CLOSED AND OPEN INNOVATION

CLOSED/ TRADITIONAL INNOVATION

- Companies rely on internal know-how and existing technology for new ideas
- Products developed internally using inhouse R&D
- Internal products preferred over those developed externally
- Products marked by the same company or by
 licensee
- Product ideas not in line with company's core interest are terminated
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OPEN INNOVATION

- Companies look beyond the boundaries of their own organizations for new ideas
- R&D resources outside the organization are leveraged. Companies tap skills and experience of external collaborators
- Companies share technology and ideas with other organizations
- Collaborators free to exploit the technology in non-competing areas
- Companies can expand the current offerings with product from other organizations
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PREREQUISITES FOR SUCCESSFUL COLLABORATION

- A firm must have sufficient absorptive capacity to identify valuable external information, to integrate it and exploit it commercially
- All firms must be ready for organizational changes specific to the organization corporate strategy and culture
- They must be ready to face transaction costs,including efforts to find the right partners, to coordinate exchanges, to manage complexity and risk
- Firms must be ready to face appropriation risk

THE EVOLVING **ENVIRONMENT FOR INNOVATION**

Several factors may induce innovators to adopt open innovation

- strategies: · Globalization
 - Product complexity
 - Industry convergence
 - · Advancements in information and communication technology
 - Increasing tradability of intellectual property rights
 - The growth of private venture capital