In this paper we enhance the formally defined Strategic Information Management (SIM) process. The SIM process suggested in this paper treats the information from a resource-based perspective and formalizes the links and the interaction with the strategic management (SM) process. The subprocesses, which constitute the SIM process, are explicitly defined. An explicit and well-defined integration is proposed between the SIM and the SM processes through a specific framework. It is emphasized how information management can aid in strategic decision making.

The SIM process implementation issues are identified from an organizational and performance point of view. Four different categories of key performance indicators are defined corresponding to different sub-processes within the SIM process. Also a separate set of key performance indicators is developed to evaluate the overall SIM process. The performance indicators, as defined in this paper, ensure a successful implementation of the SIM process. They will prove to be critical in terms of tracking the performance of individual subprocesses within the SIM process.

The organizational implementation issues are pointed out and a layered organizational approach consisting of various interacting teams is suggested for a transparent implementation. The roles and the responsibilities of each team play a crucial role in the successful implementation of the SIM process. These teams ensure the coordination of tasks within the SIM process, as well as with the SM process. The paper indicates the roles and responsibilities of each team including intra and inter-team responsibilities. Finally the direct relationship between key performance indicators and the implementation teams is made clear.

A strategic e-business implementation example demonstrates the SIM process and its integration with the SM process in the context of supply chain management. The SIM process implementation example includes a strategic procurement and demand planning approach using an e-business implementation. However the real value of this implementation example lies in the demonstration of how various components of strategic decisions within the SM process relate to the SIM process issues. The example emphasizes the conceptual framework and the application of the SIM process, its interaction with the SM process and also practical implementation issues. The significance of the SIM process is clarified as an integral part of strategic decision making.

The suggested integrated SIM process will provide a solid and formal foundation for information management from a strategic perspective. The proper application of the integrated SIM process will ensure alignment of information systems with strategic goals of an organization and will in turn provide sustainable competitive advantage. This paper provides a conceptual framework for such an integration and also addresses implementation issues from an organizational and performance perspective.