Business Process Modeling for developing Process Oriented IT Systems

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Abstract: Information system developers are challenged to develop systems that should meet the requirements of modern organizations. By promoting the enterprise-wide integration, the paradigm of Business Process Management contrasts with traditional information system development, which was suffered, but also crystallized, the vertical division of the enterprise activities. In addition, the paradigms of Business Process Reengineering and Business Process Improvement contrast with traditional information system development that focused on automating and supporting existing business processes. Now, enterprises should create new ways of working to survive in a competitive environment. This organizational transformation depends of the creation of a powerful vision of what future should be like. We claim that an in depth understanding of the current functioning is also required. In this context, enterprise modeling can help understanding the current business situation and establishing a vision of what the future should be like. Therefore, business process modeling becomes a pre-requisite for system requirements elicitation and system development.

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MÉTRIQUES
Therefore, business process modeling becomes a pre-requisite for system requirements elicitation and system development. 1. INTRODUCTION Before the seventies, companies used the principle of scientific management founded by Frederik W. Taylor and were strongly production-oriented. The resulting organization led to a vertical division of the activities and to functional and extremely hierarchical structures having, most of the time, their own information systems (ISs). Information system developers are challenged to develop systems that should meet the requirements of modern organizations. By promoting the enterprise-wide integration, the paradigm of Business Process Management contrasts with traditional information system development, which was suffered, but also crystallized, the vertical division of the enterprise activities. In addition, the paradigms of Business Process Reengineering and Business Process Improvement contrast with traditional information system development that focused on automating and supporting existing business processes. Now, enterp