L1 Luce
Résumés des articles L0 Chiraz

Business Process Modeling with EPC and UML: Transformation or Integration?
In business management, analyzing and modeling processes is crucial. ARIS and UML are standard frameworks for process (re)engineering. EPC is a basic representation that describes regulation flow and can be enhanced with data flows, responsibilities, and system integration. Efforts are made to analyze and simulate EPC using Petri nets or formal descriptions. EPC method models business processes as event-triggered functions. Ongoing advancements improve analysis and simulation capabilities.

the Suitability of BPMN for Business Process Modelling
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Merging Business Process Models
To avoid duplication and maximize synergies, it's important to combine existing business models during mergers and restructurings. This article suggests an automated approach to streamline the consolidation effort by merging process models. The algorithm is based on user-defined correspondences and has been successfully tested in various domains. It can generate concise models even with hundreds of nodes. The paper introduces configurable process models and discusses the merging algorithm, implementation, evaluation, and related work. It takes a notation-agnostic approach for model merging across different systems.

On the Suitability of BPMN for Business Process Modelling
This report thoroughly evaluates BPMN's strengths and weaknesses in constructing business process models. It compares BPMN with UML 2.0 AD and BPEL, focusing on control flow, data, and resource perspectives. It also examines BPMN's representation of common control-flow modeling requirements based on Workflow Control-flow Patterns, contrasting findings with previous research. Further analysis is available in a technical report.