

Towards a Modeling Method for Business Process Oriented Organizational Life Cycle Assessment

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Welcome!

Towards a Modeling Method for Business Process Oriented Organizational Life Cycle Assessment

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Context: Business Process Management (BPM)

- Concerned with economic performance of organizations.
- Improving business processes ...
- ... in terms of cost, quality, time and flexibility.

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Context: Sustainable BPM?



- Limited Sustainability Perspective.
- Should Learn from Environmental Sciences.
- More Concrete Applications.
- More Practical Contributions.

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Idea: BPM + O-LCA

BPM:

- Process Identification
- Process Analysis
- Process Redesign
- Process Implementation
- Monitoring / Controlling

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O-LCA:

- Goal and Scope Definition
- Inventory
- Impact Assessment
- Interpretation
- (Operationalizing)

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Idea: POLCA

O-LCA for BPM

- O-LCA as conceptual frame for sustainable BPM.

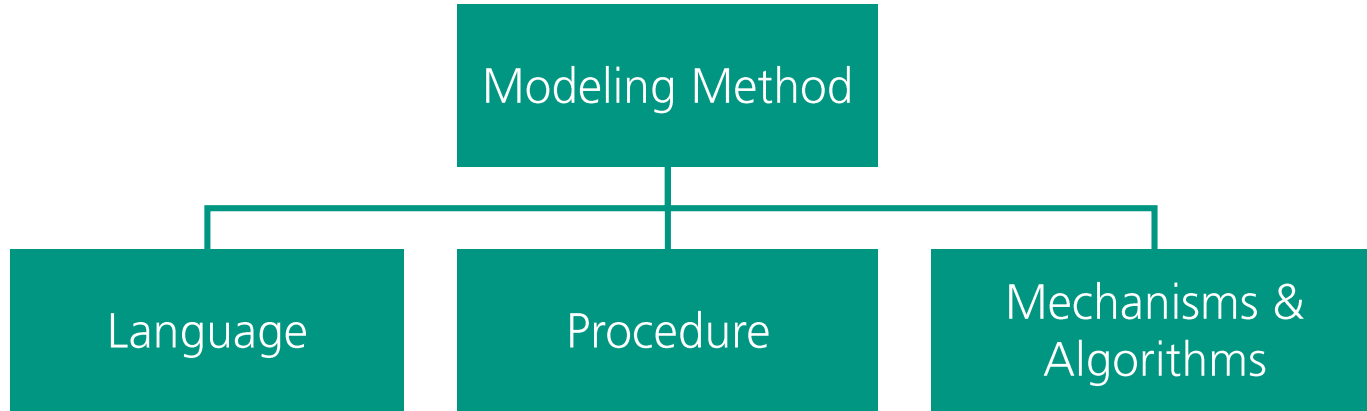
BPM for O-LCA

- Applying BPM concepts and tools to operationalize O-LCA.

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Approach: POLCA Modeling Method

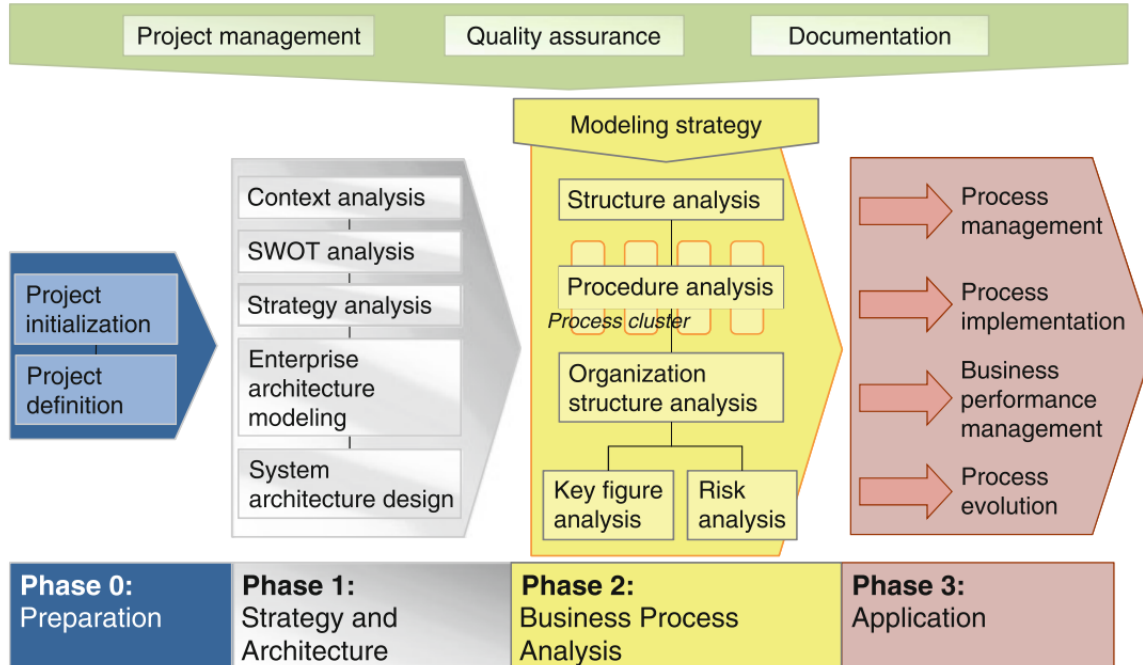


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Example: Horus Method

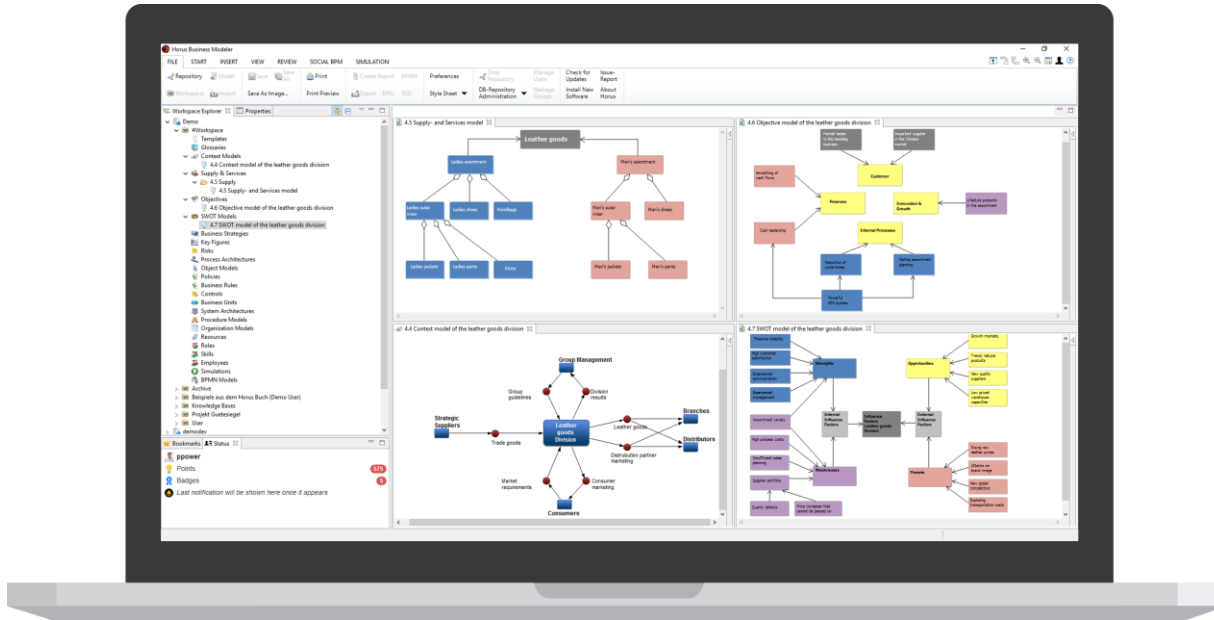


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Example: Horus Method



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Approach: Research Method

Stage	Diagnosis	Design	Implementation	Evolution
Methods	Systematic Literature Review	Requirements Analysis Language Specification	Prototyping Software Development	Case Study Survey
Outcome	Problem Description	Concepts Design Principles Requirements	Modeling Tool	Refined Problem Description / Concepts / Design Principles / Requirements

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Thank you!

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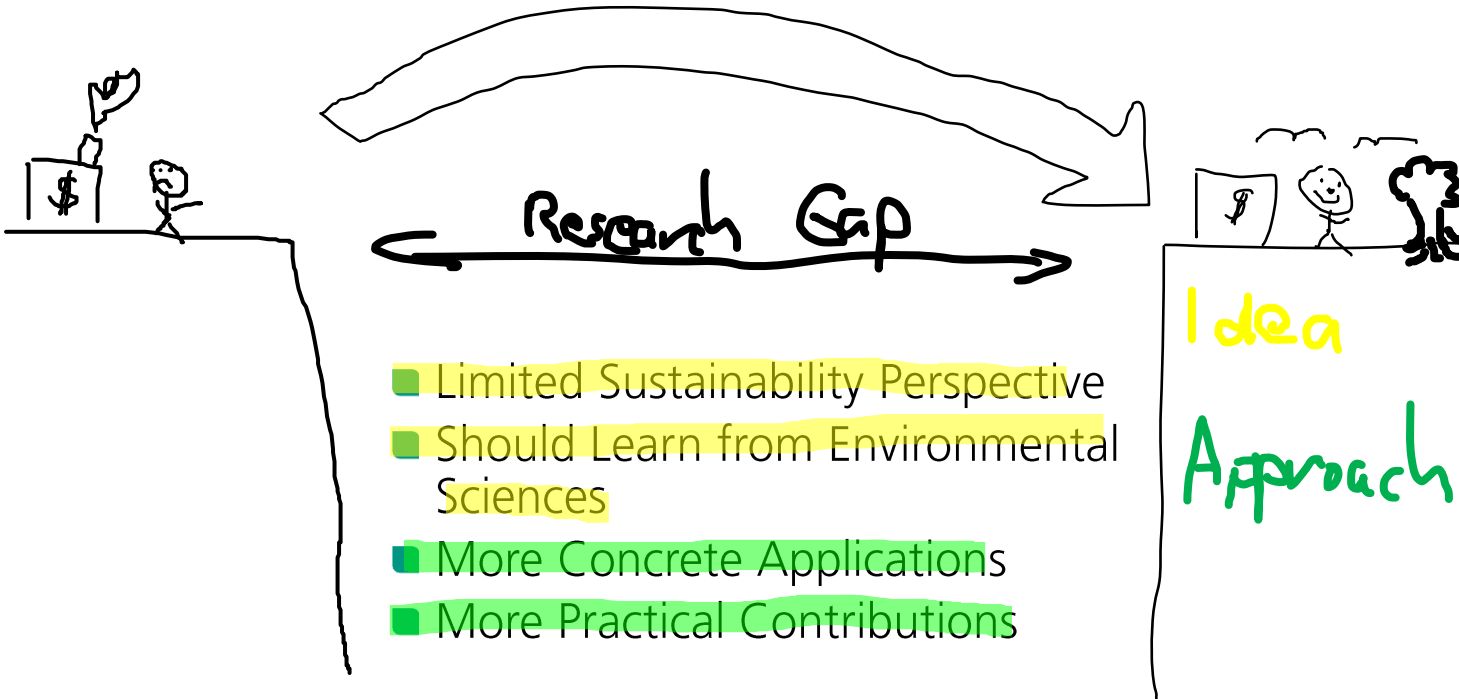


(Challenges)

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Sustainable BPM?



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