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

Andreas Fritsch (ICT4S 2020 – Doctoral Symposium)
Welcome!

Towards a Modeling Method for Business Process Oriented Organizational Life Cycle Assessment
Context: Business Process Management (BPM)

- Concerned with economic performance of organizations.

- Improving business processes …

- … in terms of cost, quality, time and flexibility.

[1]
Context: Sustainable BPM?

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

[2,3]
Idea: BPM + O-LCA

**BPM:**
- Process Identification
- Process Analysis
- Process Redesign
- Process Implementation
- Monitoring / Controlling

**O-LCA:**
- Goal and Scope Definition
- Inventory
- Impact Assessment
- Interpretation
- (Operationalizing)

[4] [5]
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.
Approach: POLCA Modeling Method

- Modeling Method
  - Language
  - Procedure
  - Mechanisms & Algorithms
Example: Horus Method
Example: Horus Method
**Approach: Research Method**

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Thank you!
References

[8] Source online: https://www.horus.biz/de/produkte/
(Challenges)
Sustainable BPM?

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