



A Declarative approach of Process Models

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Business model and the process model



- Business Model
 - A business model details the general view of the business in business terms
- Process Model
 - Details how the work is carried out at the operational level.







Declarative Foundation – motivation



- Business Orientation
- Traceability
- □ Flexibility







From business model to process model



Identifying and classifying activities and relations between the activities in order to be able to execute and coordinate value transfers.

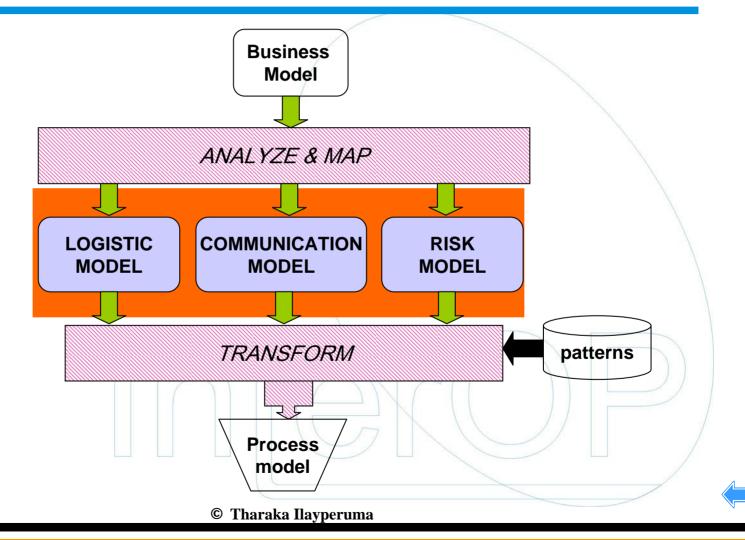






The 3 Pillars









Stepwise process generation



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Business Model

Step2

Three pillars
Logistic,
Communication

Risk

Step3

Activity

Dependency

Model

Step4

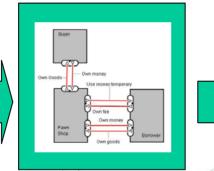
Business

Process

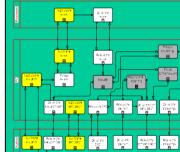
Model

e3-value





Production of Control of Control







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- Deliverables in various stages
 - Mapping from business model to three pillars.
 - Identifying and classifying activities into three pillars: logistic, communication and risk.
 - Mapping from three pillars to activity dependency model
 - Identifying dependencies and relationships between the activities
 - From ADM to Process Model
 - We already have this and will modify this as work progresses
- Testing with different cases



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Previous work and work on progress



Related research

- Andersson B., Bergholtz M., Edirisuriya A., Ilayperuma T., Johannesson P., "A Declarative Foundation of Process Models", *Proc. CAISE'05*, Springer-Verlag, LNCS, 2005.
- Bergholtz M., Bertrand G., Johannesson P., Schmitt M., Wohed P. and Zdravkovic J., "Integrated Methodology for linking business and process models with risk mitigation", REBNITA 05.
- Weigand H., Johannesson P., Andersson B., Bergholtz M., Edirisuriya A., Ilayperuma T., "Process Oriented Analysis of the Value Object", accepted, I-ESA '06.
- Hans Weigand, Paul Johannesson, Birger Andersson, Maria Bergholtz, Ananda Edirisuriya, Tharaka Ilayperuma, "On the notion of value object" accepted for the 18th Conference on Advanced Information Systems Engineering (CAiSE'06), Luxemburg.
- Work on progress
 - Common Ontology for business models



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Thank you!



