**Three perspectives on the business**

- Enterprises do business in order to reach their economic goals.
- Business is done by conducting business processes.
- Business processes are supported/executed by IT systems.

**Different views on the business hinder a company**

- To quickly react on changes in customer demand.
- To reduce time to market.
- To align its IT systems with economic goals.

---

**WSN**

**Validation and Conclusion**

- In order to test the generated workflow artifacts a fully functional example workflow hosting application was developed and integrated into BSopt Designer.
- All tested workflows conformed to the behavior expected from the global choreography definition.
- The business process outcome depends on the decisions made by humans interacting with the workflow hosting application.
- The wizard-guided mapping approach drastically improves turnaround times and enables non-developers to create fully functional workflow definitions.

---

**Goals**

**BSopt project**

Provide an integrated methodology for developing B2B information systems. Create a tool which integrates the three different perspectives on a business and supports a semi automatic top-down mapping.

**Realization for the thesis**

Create executable workflow definitions out of given business process descriptions and associated messages used in this process. Integrate the functionality with the BSopt Designer tool.

**Transformation Approach**

- Implement a C# library to convert a global choreography into local choreographies.
- Convert local choreographies and associated business document definitions into executable workflows.
- Extend BSopt Designer with transformation wizards consuming all the information necessary for the process and use the created libraries to derive new artifacts.

---

**Context**

This diploma thesis is based on work performed for the Business Semantics on Top of Process Technology (BSopt) project (http://www.bsopt.at).