

BCS

Dr. Jürgen Pitschke

Webcast

Basic principles of a Business Architecture

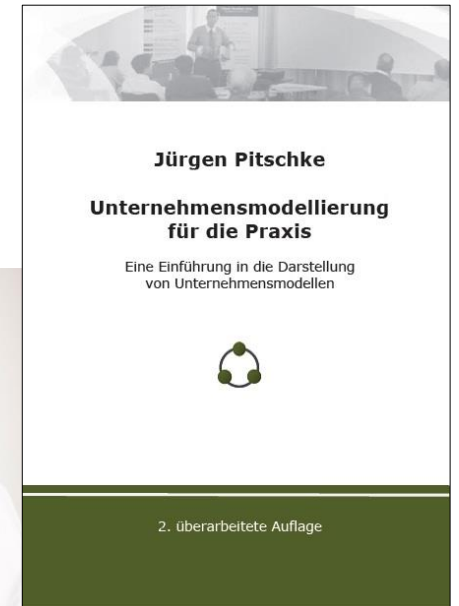
Dr. Juergen Pitschke
BCS – Dr. Juergen Pitschke

About me – Juergen Pitschke

I'm a consultant, coach,
trainer, speaker, writer, ...



Engineer



Agile Business Methods

Complex vs. Complicated

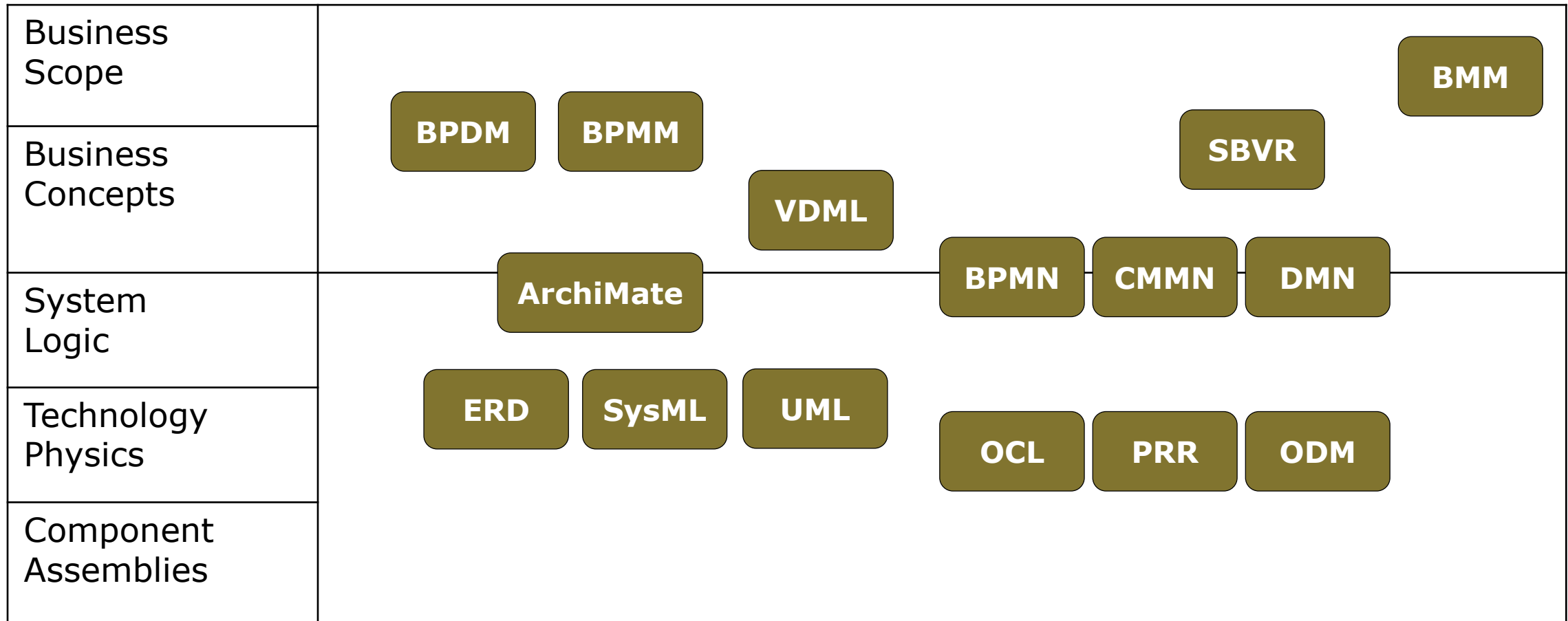
see <http://model-based-business.engineering/en/mbbe-blog-eng/126-complex-vs-complicated-part-ii>

We need a defined Business Architecture.

We need defined principles.

(Separation of Concerns, Refinement/Abstractions)

Notations for Enterprise Models



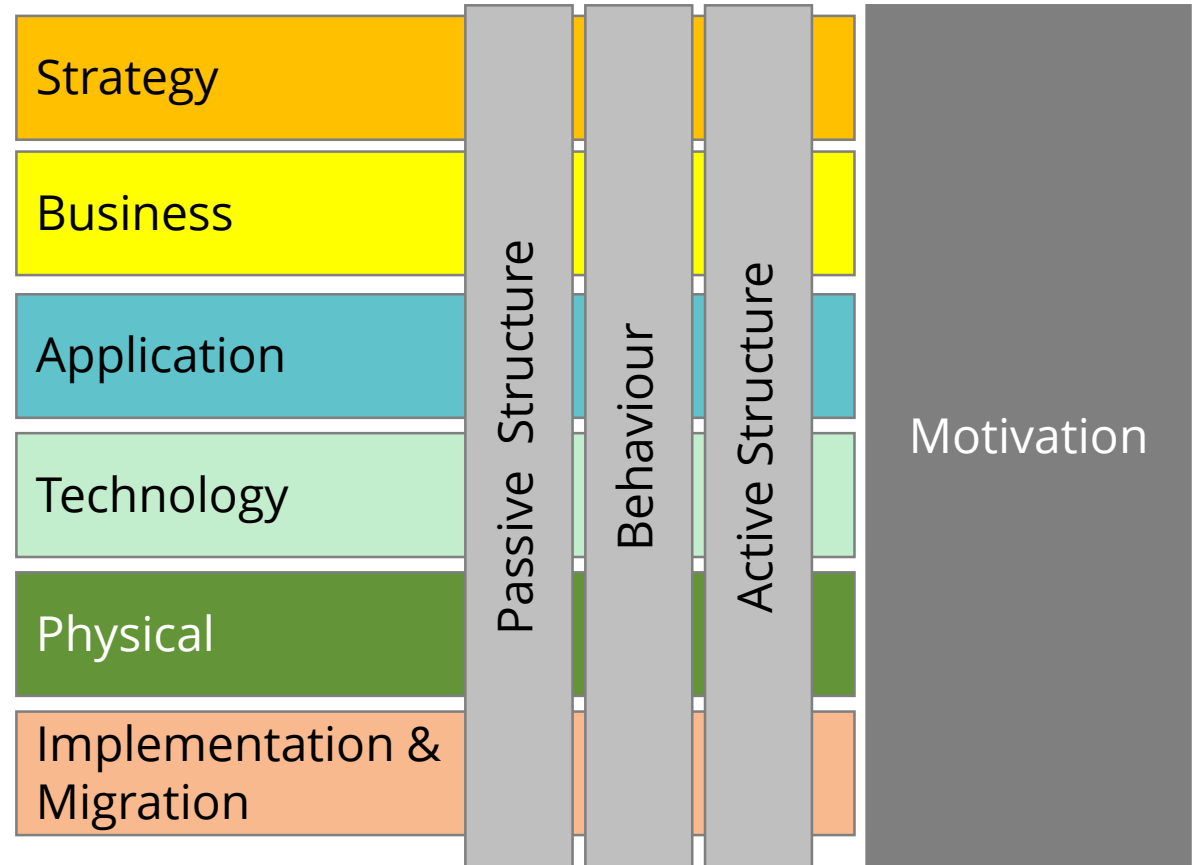
The Zachman Framework for Enterprise Architecture



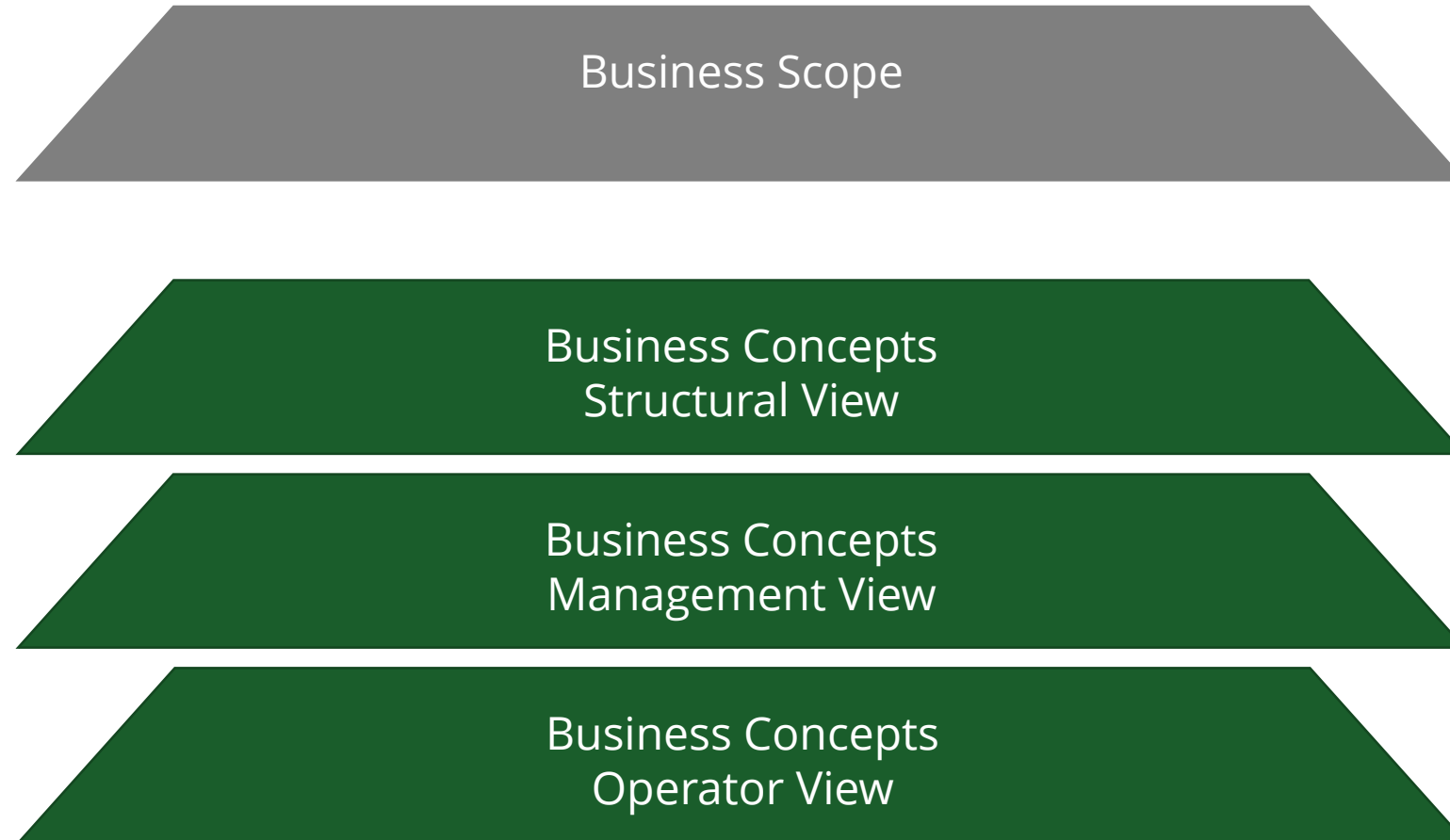
Source: Zachman International™ with Permission www.zachman.com

Archimate / TOGAF

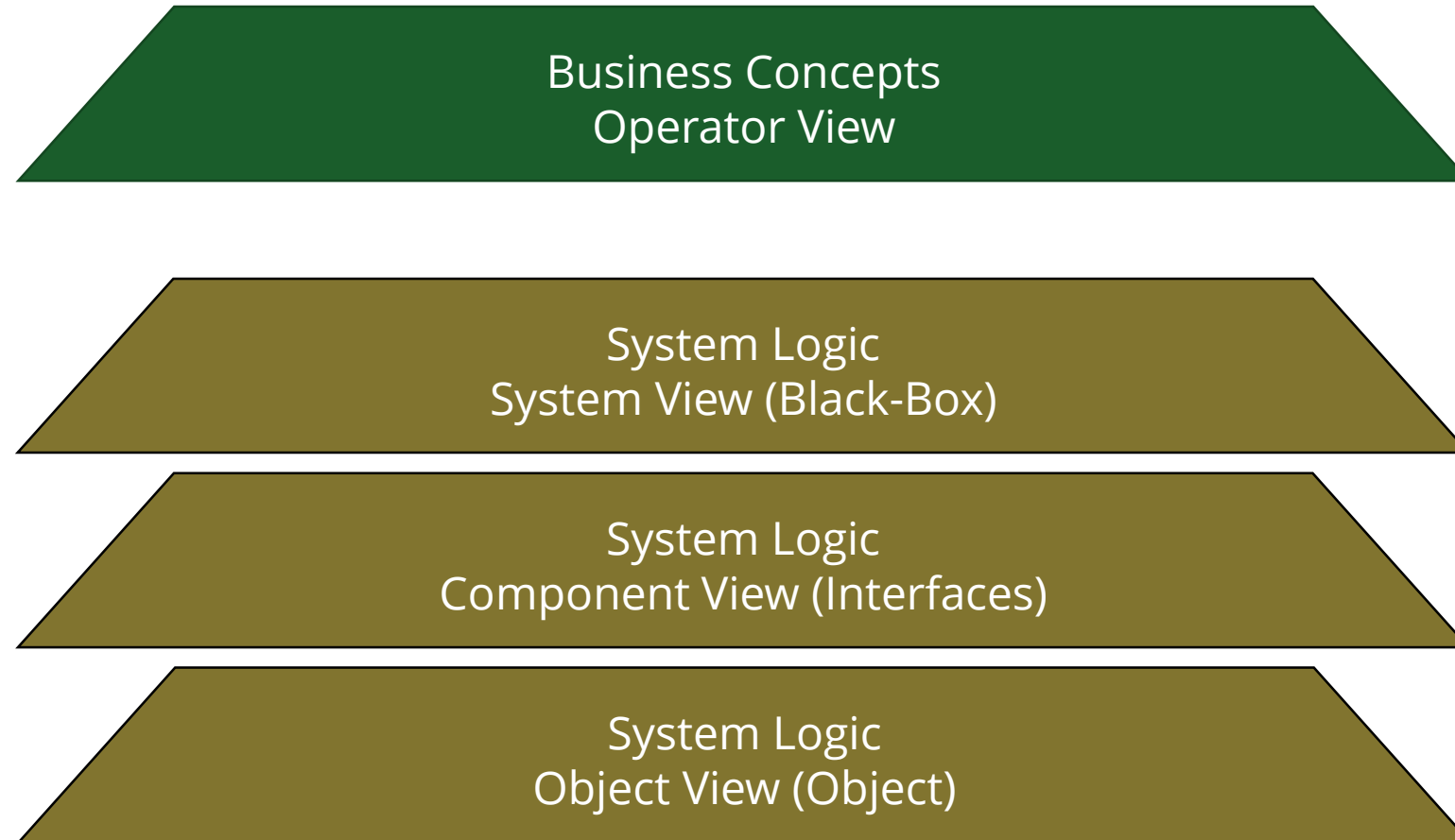
- „Layer“ in Archimate (Full Framework)
 - Strategy Layer
 - Business Layer
 - Application Layer
 - Technology Layer
 - Physical Layer
 - Implementation & Migration Layer



Levels of Abstraction – Business Concepts



Levels of Abstraction – System Logic



Separation of Concerns and Refinement

Separation of Concern: Horizontal Structure

Level of Detail: Vertical Structure

Should be defined for entire Team: Styleguide, Modelling Guidelines

Separation of Concerns

Which Content do we need to present? How do want to present it?
Different content should be presented in different models.

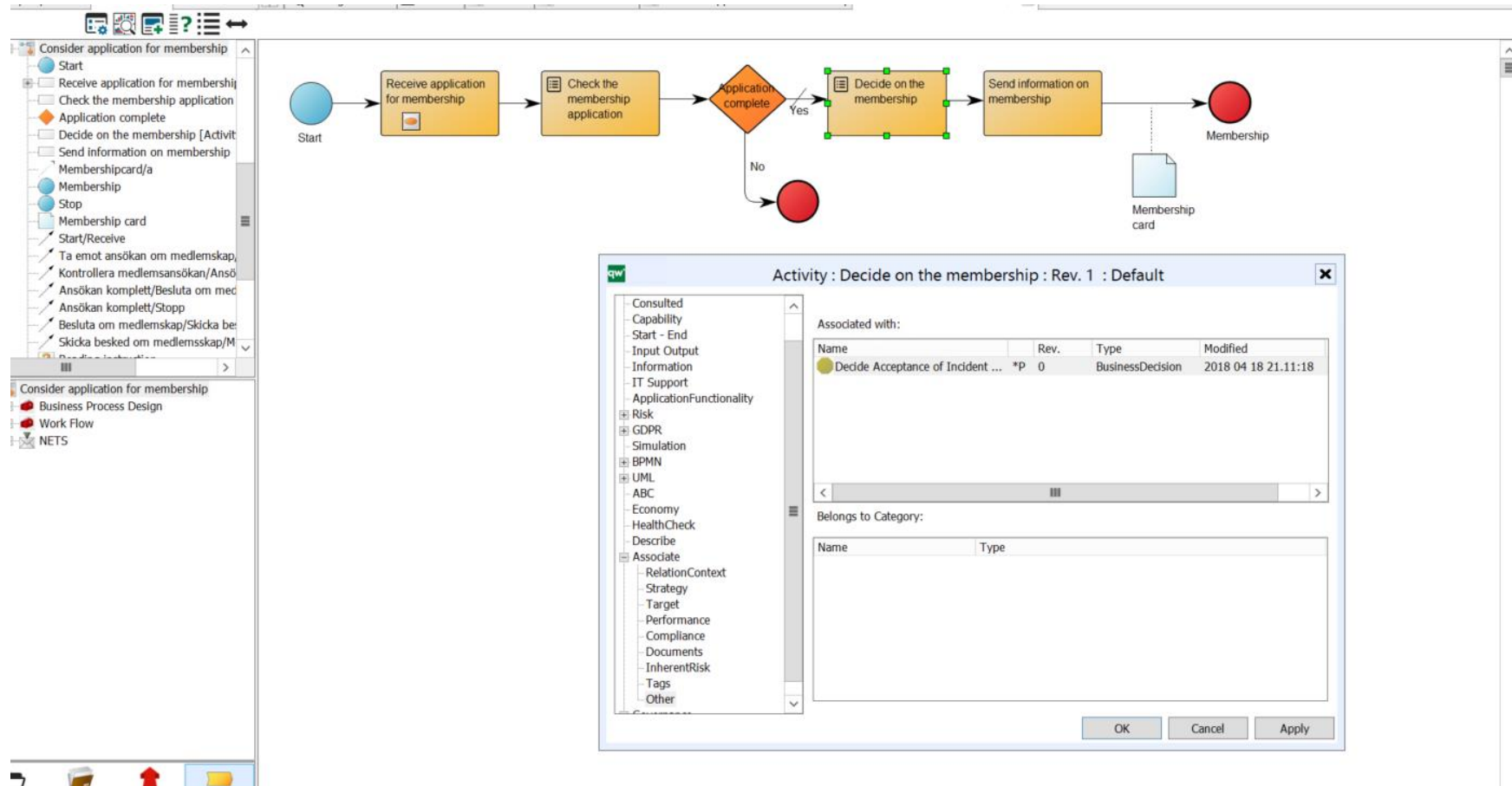
- because they use different notations
- because they have different stability and different release cycles
- because different roles are responsible
- examples

Business Process Models and Decision Models

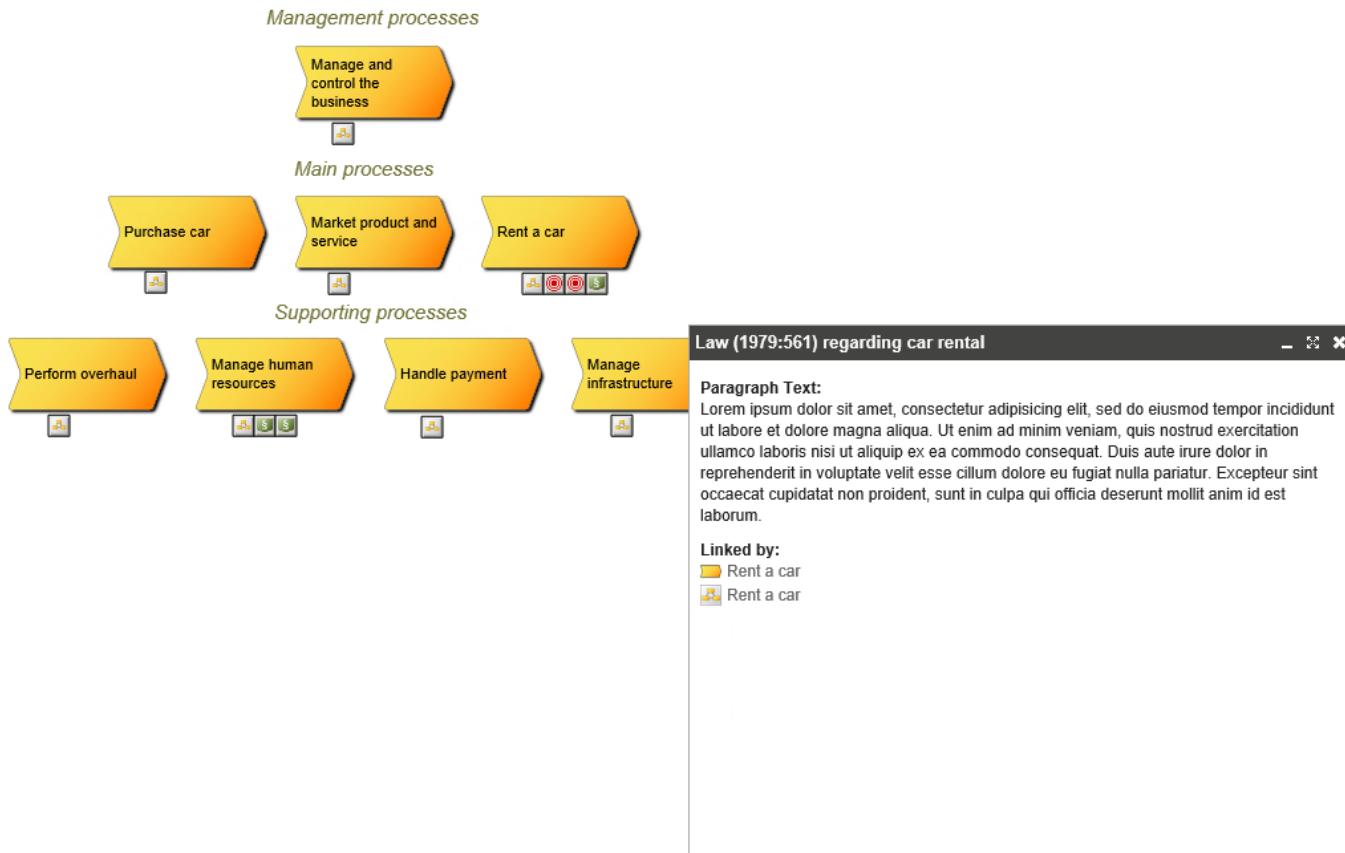
Task in a Business Process and used system functions

Tool: Qualiware

Separation of Concerns / Refinements



Tool: Qualiware



The links between the elements can be followed, evaluated, and so on.

You can link

- to entire models
- single model elements
- you can add more description to the connection.

Tool: VisualParadigm

The screenshot displays the VisualParadigm interface for a process model named "Fat Buddha Prozesshaus". A "Process Specification" dialog box is open, showing a table with "Type" and "Value" columns. The "Transit To" type is set to "Business-IT-Alignment Brauen Brausysteme.Order-to-Cash". The dialog includes tabs for "General", "Diagrams", "Traceability", and "References", along with "Add", "Remove", "Reset", "OK", "Cancel", "Apply", and "Help" buttons.

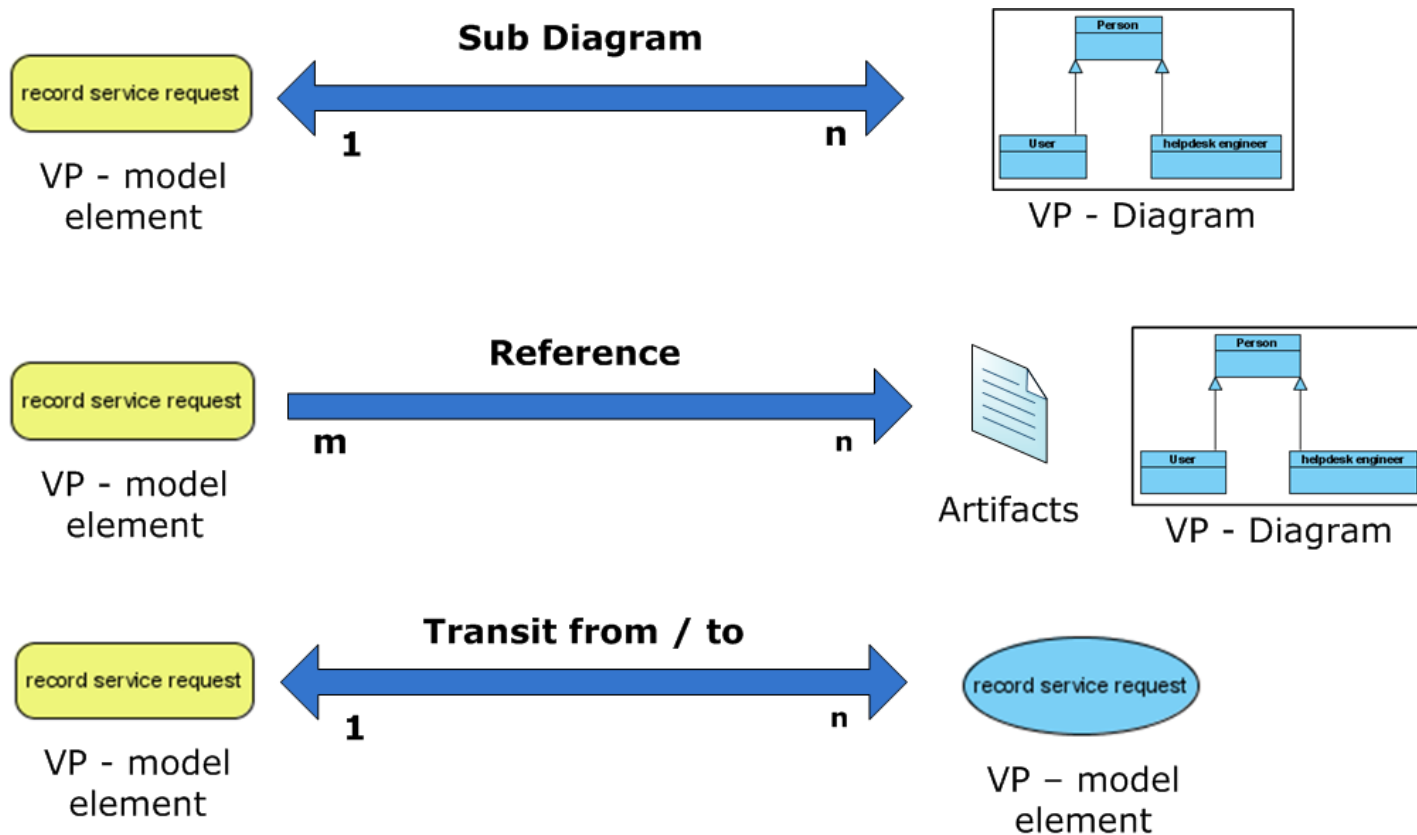
The main diagram area shows a process flow with several elements:

- Blue arrow-shaped boxes: "Strategie-Entwicklung", "Marketingplanung und -steuerung", "Risiko-Management", and "Trade Marketing/ Branding".
- Red arrow-shaped boxes: "Purchase-to-Pay", "Brew-to-Deliver", "Order-to-Cash", and "Contract-to-Contract".
- A green box: "Craft Brewery Chain Management".

A context menu is open over the diagram, listing actions such as "Open Specification...", "Add Shape", "Rename...", "Open Parent Model - Business Scope", "Paste View", "Paste Model Element", "Handi-Selection", "Diagram Content", "Connectors", "Presentation Options", "Layers...", "Reference Mapping", "Zoom", "Layout", "Select in Tree", and "Show Link...".

Tool: VisualParadigm

Separation of Concerns / Refinements



You can evaluate and navigate and document the relations.

Subdiagram:

- typically refinement

Reference:

- typically for „Separation of Concern“

Transitor:

- Element-to-Element relation

Agile Modeling

„Our first model is pure speculation.
We have to work hard to make the
speculation a specification.“

Scott Ambler

Modeling is an iterative approach.

Thank you!

Contact me

Dr. Juergen Pitschke, BCS – Dr. Juergen Pitschke

✉ jpitschke@enterprise-design.eu

✉ model-based-business.engineering

🐦 [jpitschke](https://twitter.com/jpitschke)

Next Dates for open Workshops

BCS – Dr. Juergen Pitschke: Workshop “Pragmatic Business Architecture”,
21./22. Mai Dresden

BCS – Dr- Juergen Pitschke: Workshop “Business Architecture and
Qualiware”, 7./8. Juni 2018, Dresden

BCS – Dr Juergen Pitschke: Workshop “Applying Visual Paradigm”. 4./5. Juni
2018, Dresden (together with MINX Software)

Literature and Links

John Zachman, The Zachman Framework For Enterprise Architecture: Primer for Enterprise Engineering and Manufacturing, Zachman International, 2006, electronic book

Roger Tregear, Reimagining Management: Putting Process at the Center of Business Management, 2016, ISBN 978-1366442840

Ronald G. Ross, Business Rule Concepts, Business Rules Solutions, LLC, 2005, ISBN: 094104906X

Ronald G. Ross, Gladys Lam, Building Business Solutions, 2011, Business Rules Solutions, ISBN 978-0-941049-10-8

James Taylor, Jan Purchase, Real World Decision Modeling with DMN, Pearson Education, 2011, ISBN: 978-0-13-288438-9

Scott Ambler, Mark Lines, Disciplined Agile Delivery, IBM Press, 978-0132810135

Jürgen Pitschke, Unternehmensmodellierung für die Praxis, Books on Demand, ISBN 978-3842325760

White Paper and Online Resources on www.enterprisesign.eu, processrenewal.de, model-based-business.engineering (Personal Blog)