

Enterprise Visualization and Transformations using Labnaf



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EA Global Summit 2020

June 1st to 5th | Connect with World's Prolific Sparx EA Practitioners

Enterprise Visualization and Transformation using Labnaf

Labnaf is an innovative and highly automated solution for enterprise visualization and transformation. It seamlessly unifies numerous standards and best practices

Alain De Preter

Founder, Labnaf



2nd June



PDT 06.00 CET 15.00 AEST 23.00



60 Min

eaglobalsummit.com









Presenters



Alain De Preter
Labnaf Founder



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Sparx Services Central Europe

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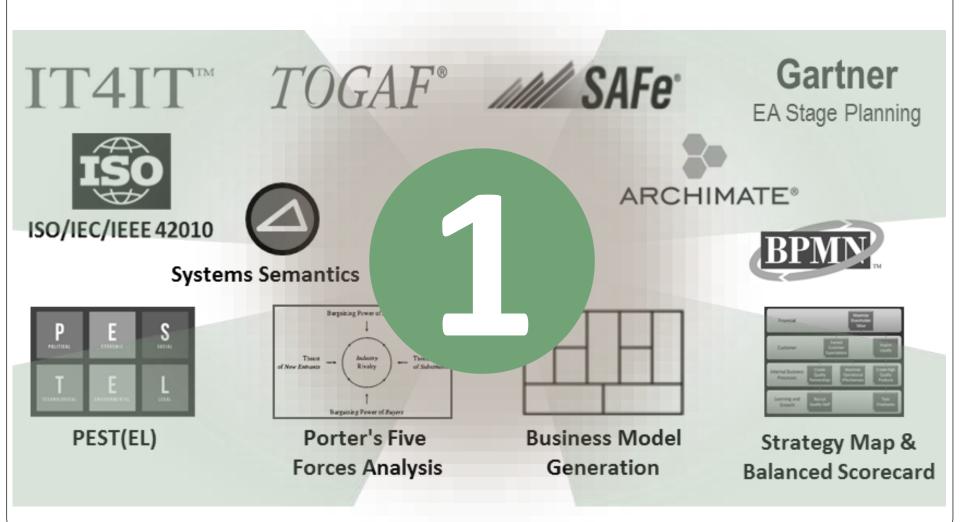


https://www.linkedin.com/in/orsolya-nemeth-04b68514a/

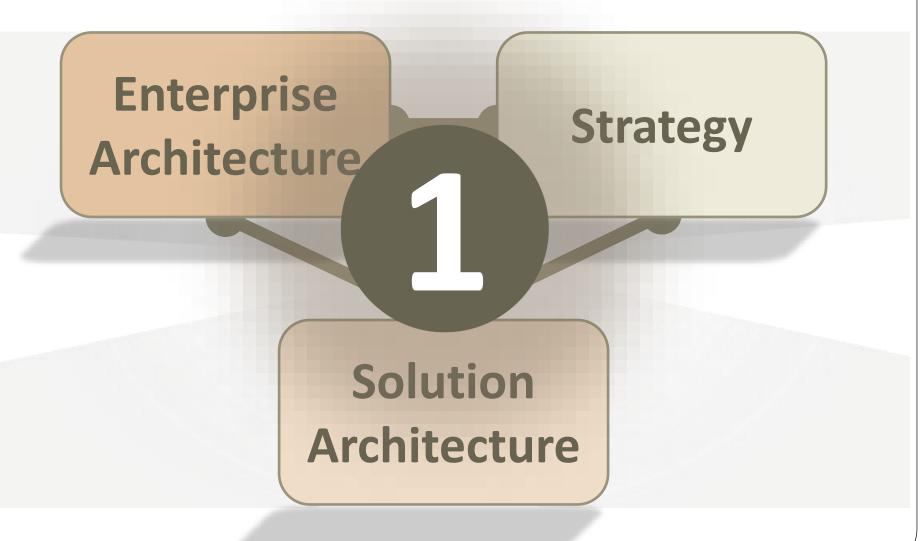


Integrated

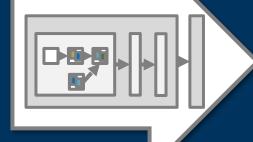
Merged Standards & Best Practices



Unified Disciplines





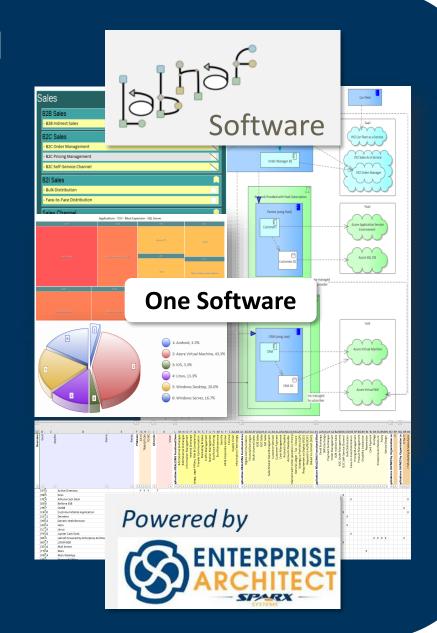


One Language



One Shared Database





Agenda

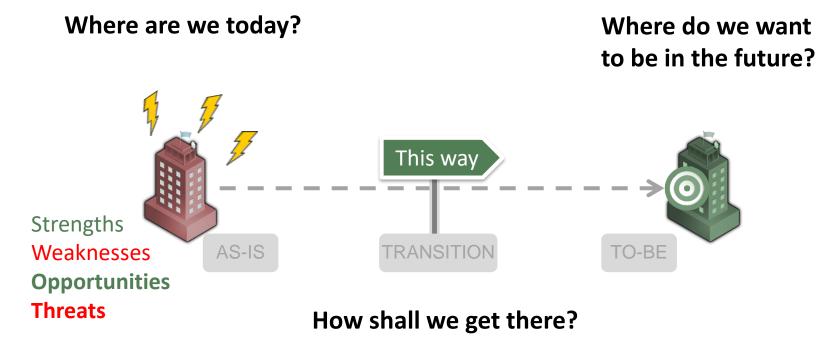
1. Transformation Challenges

2. Framework Overview

3. Tools

General Challenge for Strategy and Enterprise Architecture

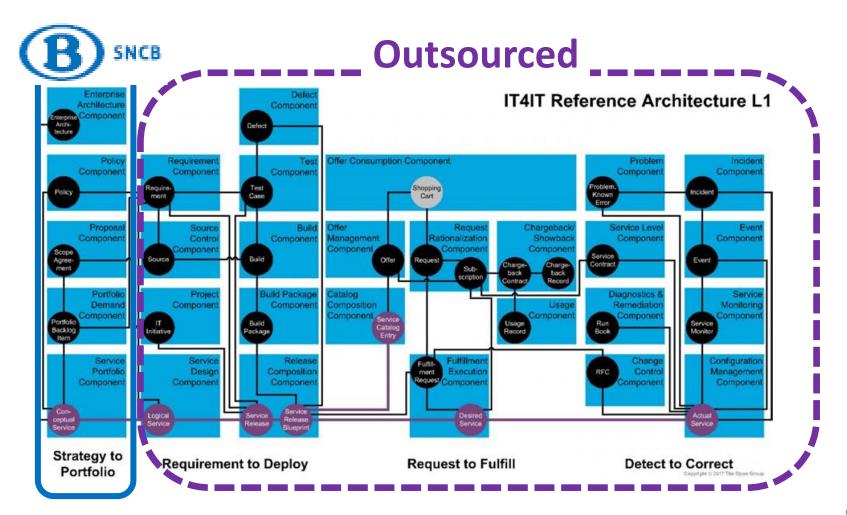
Identify and drive the required changes to the organization's business and IT



Specific Challenges at the Belgian Railways

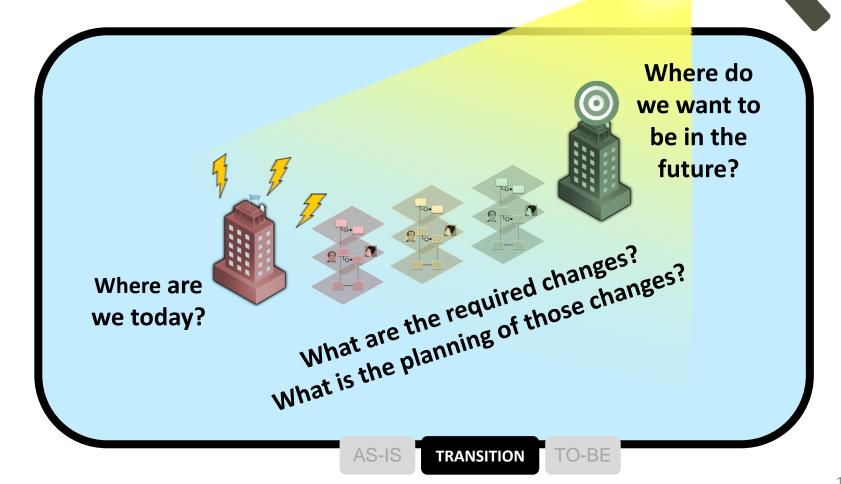


- 1) Supporting outsourcing decisions +
 - 2) Migrating Applications + 3) Delivering Solutions



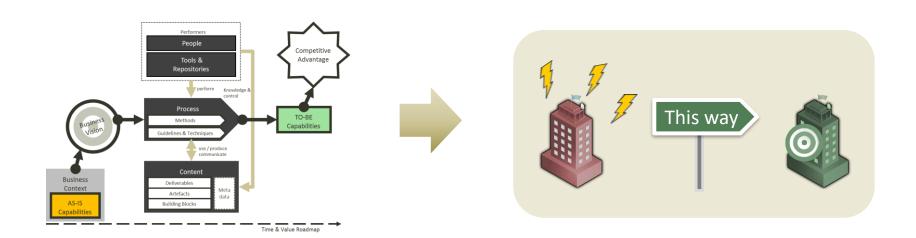
Decisions Require Enterprise Visibility and Traceability





10

We need a **Framework** as a vehicle to Effectively **Drive Transformations**



A Framework

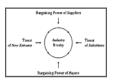
for

Driving Transformations



Why don't we use existing frameworks?

I mean Strategy & Architecture Standards?



Porter's Five Forces Analysis

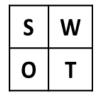


Business Model Generation



Balanced Scorecard









Strategy Map





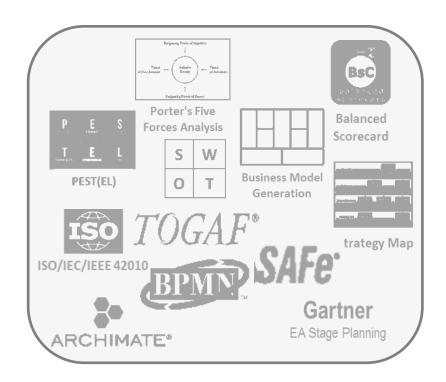




Gartner
EA Stage Planning

Strategy & Architecture Standards? OK, but how can we <u>use</u> these standards? together?



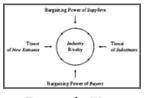


Common

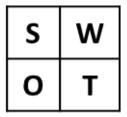


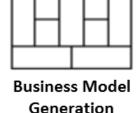
Process





Porter's Five Forces Analysis





Common Meaning



Strategy Map



Balanced Scorecard







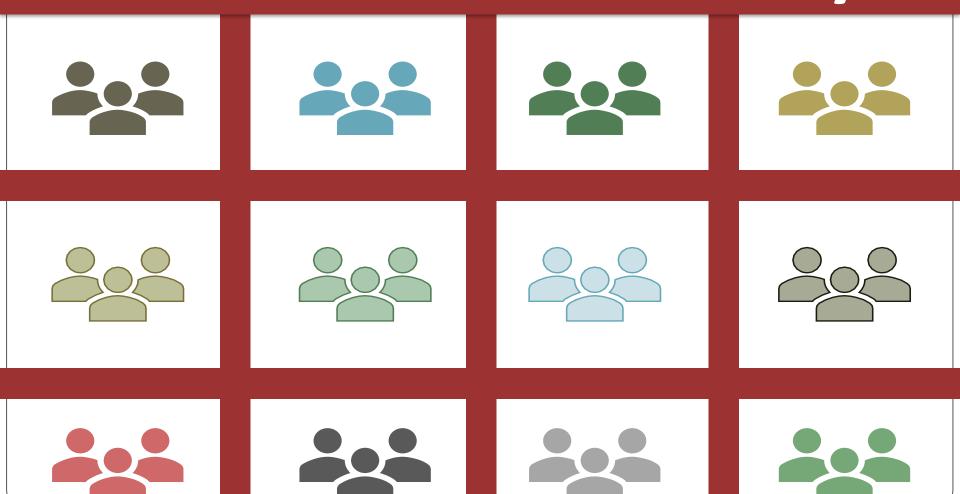
Common Terminology





www.labnaf.one

Cross-discipline collaboration is not easy!



Agenda

1. Transformation Challenges

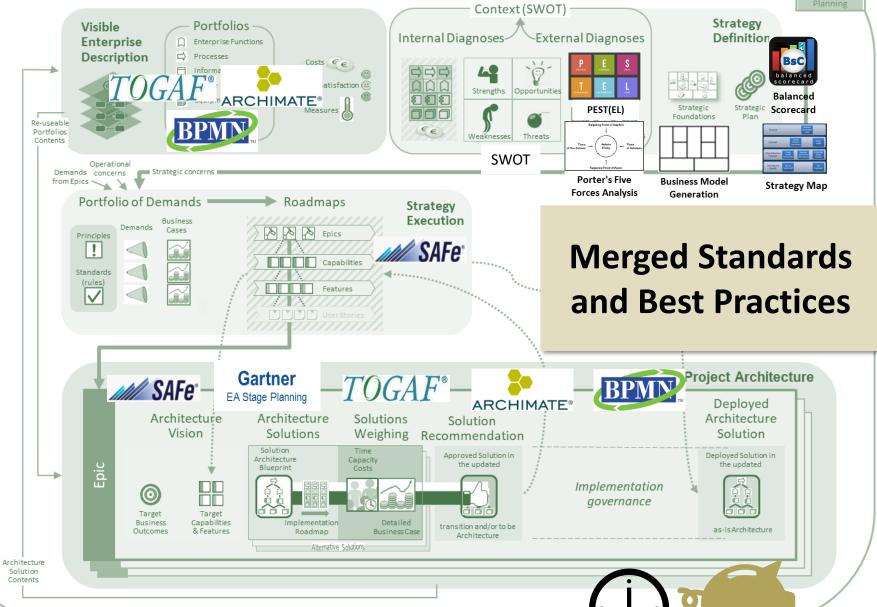
2. Framework Overview

3. Tools

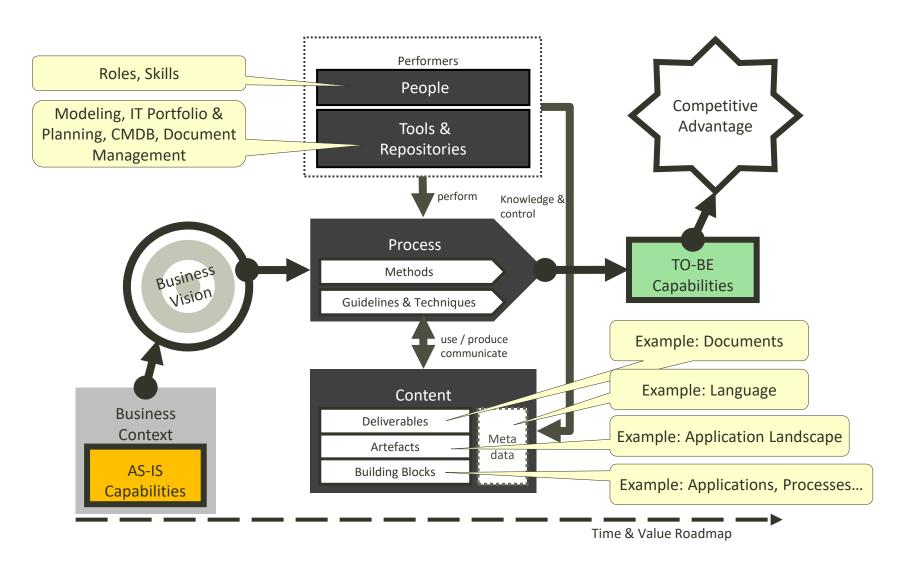


Drive Changes to the Operating Platform

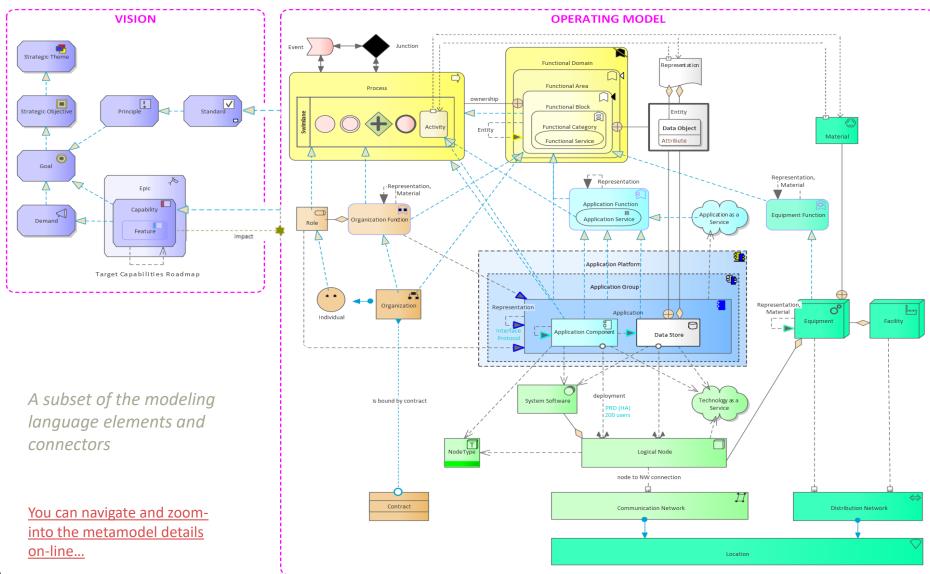




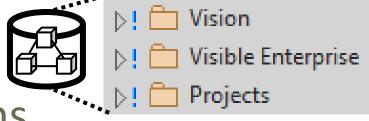
All In One Architecture Framework



One Common Language Eases Collaboration Between Many Different Roles



The model repository is organized into 3 main sections...







Changes to the enterprise are envisioned



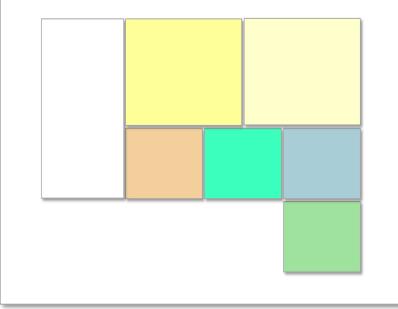
Projects/epics realize vision

Projects

Projects/Epics change the enterprise following vision

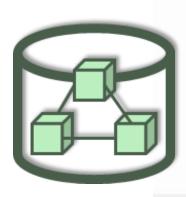
Visible Enterprise

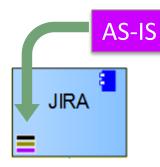
Provides visibility and traceability on the enterprise's operating model across several perspectives



Repository structure

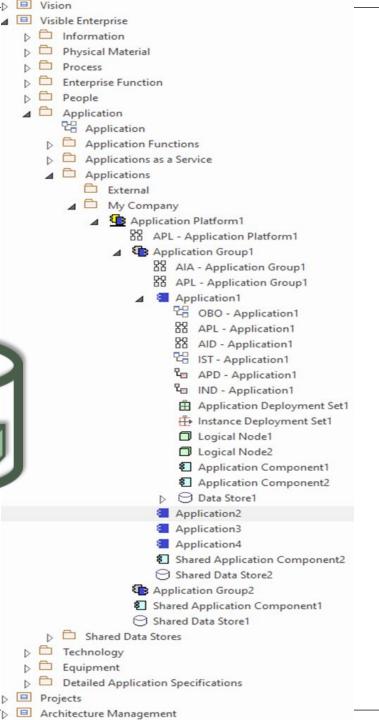
Already prepared for you





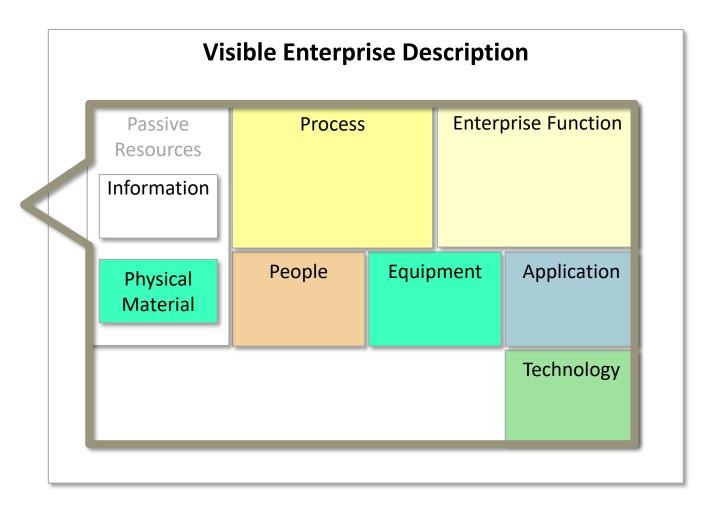
Transition

TO-BE



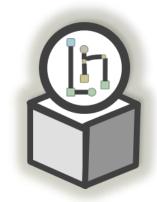
The Visible Enterprise Portfolios folders represent architecture perspectives

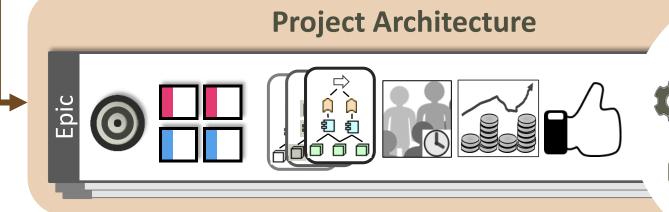
Architecture Perspectives



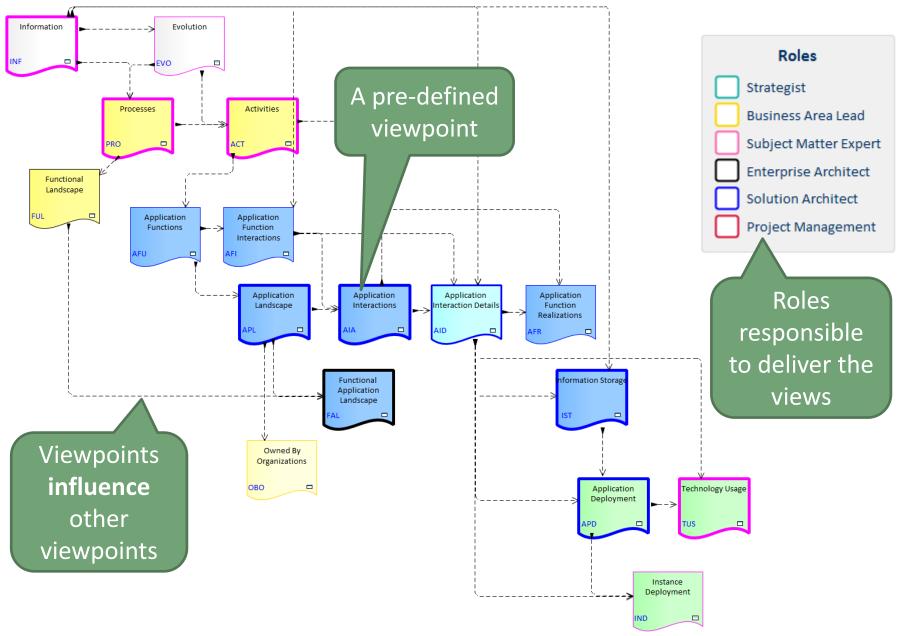




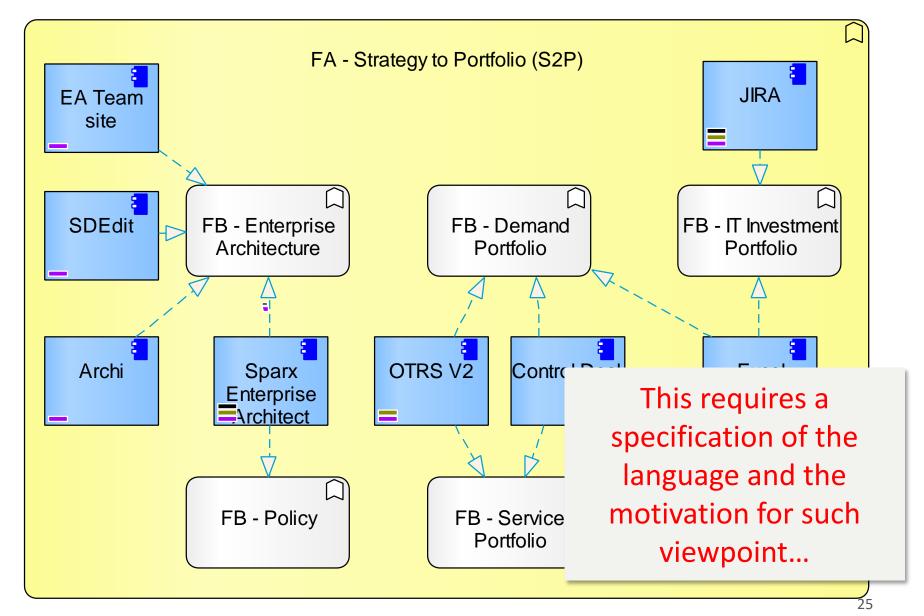




Focus on IT Solution Architecture Viewpoints



Sample "Functional Application Landscape" View



Prescriptive language for "Functional Application Landscape" views



A Functional Block is a level 3 business function that belongs to some functional area.

The granularity and scope of a Functional Block is defined by identifying

- some homogenous set of information that the Functional Block is mastering
- a group of activities that fulfill the purpose of the functional block, that belong to some processes of same nature and that produce and use the information mastered by that Functional Block

A business function is a behavior element that groups behavior based on a chosen set of criteria e.g. required business resources and/or skills, competencies, knowledge, etc.

Inspired by Archimate



An application

- Is a self-contained unit of functionality as perceived by end-users
- Can be clearly mapped to some functional blocks
- Has its own specific set of application attribute values
- Is used by and billable to one or several Organizations
- Is owned by a single Organization
- Can be part of an Application Platform or an Application Group
- Encapsulates Applications Components and Application Interfaces
- Can exist at one or many specific points in time called "plateaus". Possible plateaus are AS-IS, TRANSITION and TO-BE.

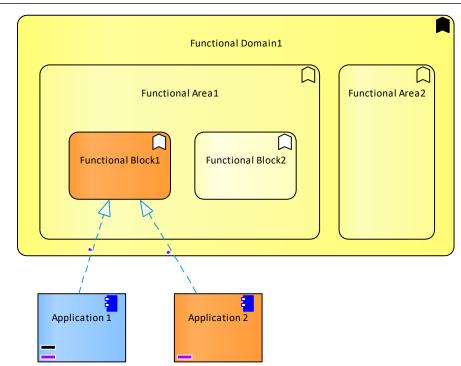
The name of an application component should preferably be a noun.

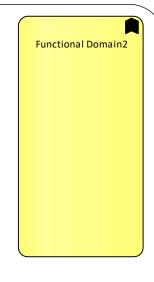


A **Realization** relationship indicates which concrete entities ("how") realize which abstract entities ("what"). The realization relationship is used in a business operational sense (e.g., a role realizes a swim-lane of activities), but also in an IT context (e.g., an application realizes a functional block).

Inspired by UML & Archimate

Motivation for creating "Functional Application Landscape" views





This answers the following questions

When used as part of the Visible Enterprise Description

• Which applications support which functional blocks?

When used as part of a Project Architecture

 Which applications are/will automate the functional blocks inside the scope of this project?

Agenda

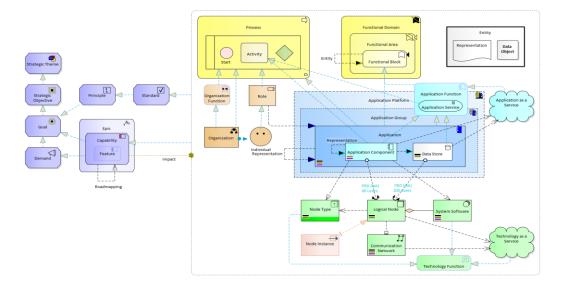
1. Transformation Challenges

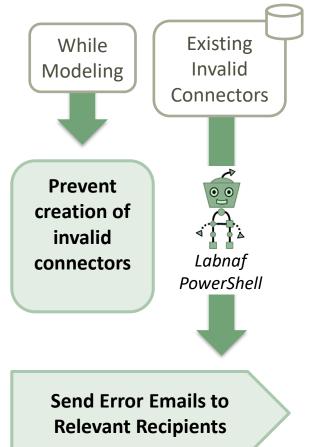
2. Framework Overview

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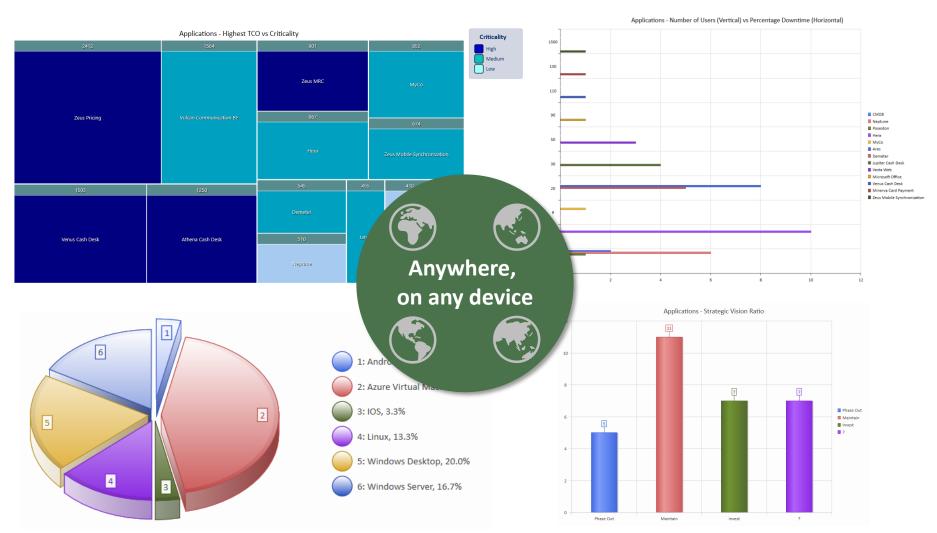
Industrialize Scheduled or Generated Diagrams & & Govern **On Demand Heat Maps Backup as EAP Errors Sent to Assigned** Calculated **Individuals Values 00+** 12 **Excel Reports &** Excel Relationships **Import** 3 Word PDF 6 **Documents** Schedule Web http: **Published Email** Repository **Discussions**

The Language Metamodel is used both for documentation & automatic model validation

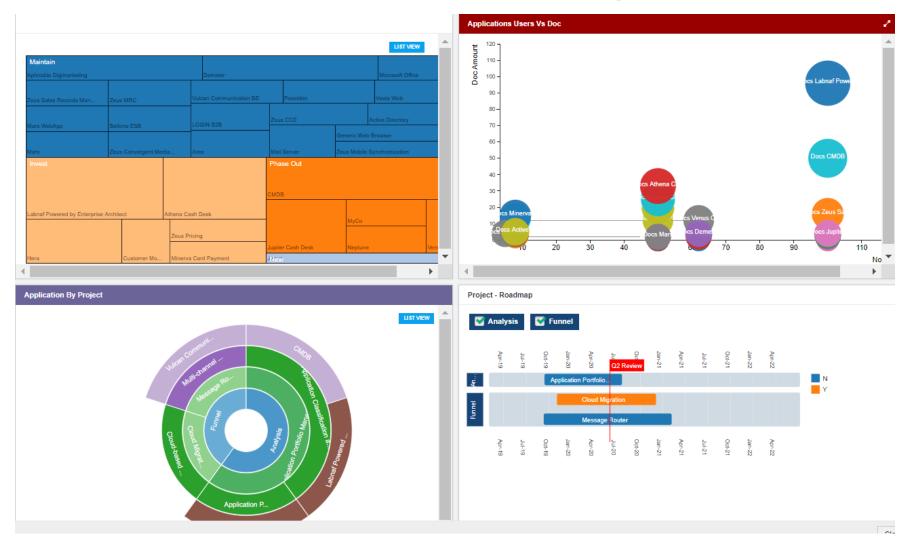




Check Out your Real-time Dashboards and Take Decisions



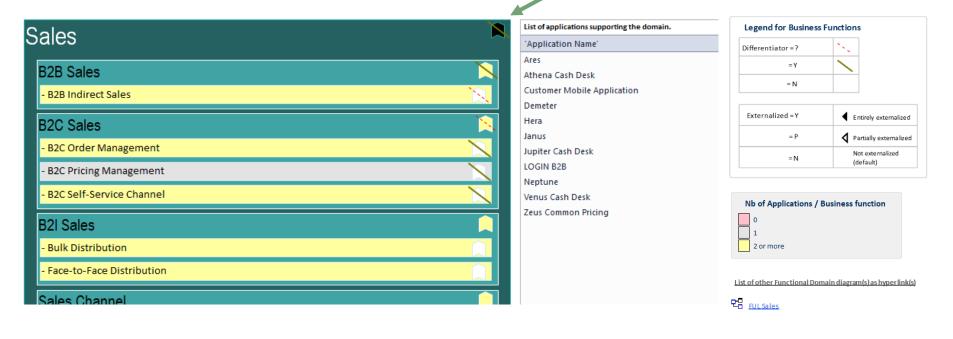
Prolaborate Option: C-Level Enterprise Visualization and Navigation



Generate diagrams

Scheduled or On demand

Real navigable model elements (automatically resized following context)





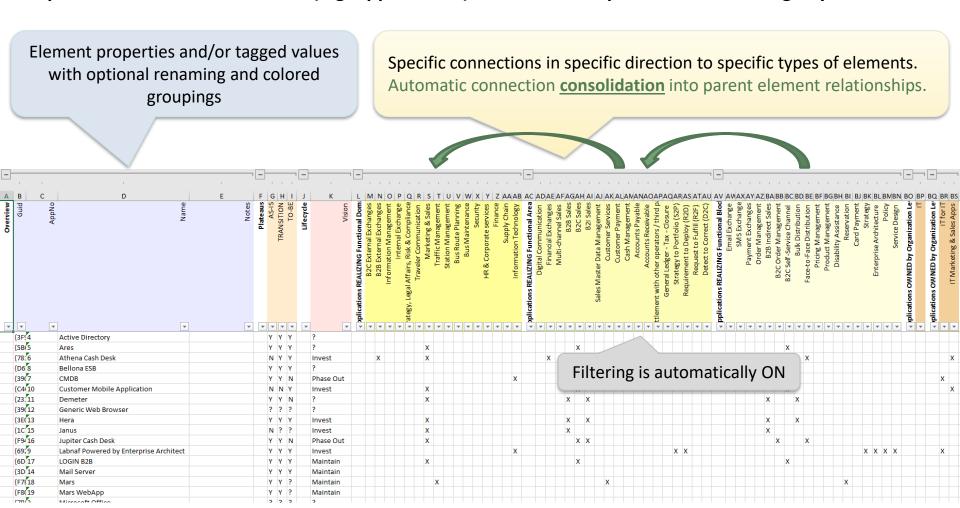
- Time Savings
- Cost savings
- Diagram completeness
- Consistent diagram layout



Generate Tabular Reports (Excel/CSV)

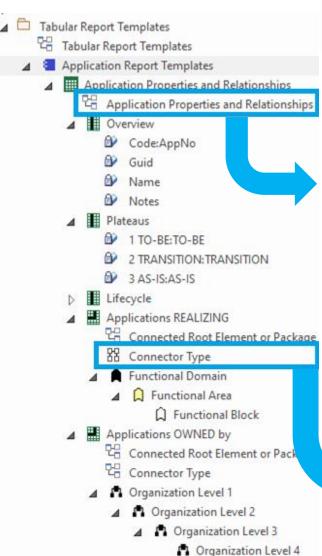
Scheduled or On demand

Reported collection of elements (e.g. applications) and relationships selected following any kind of rule



Generate Tabular Report (cont.)

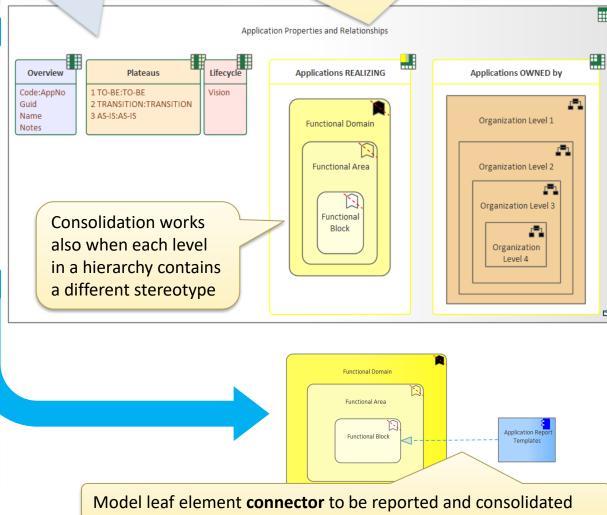
Model your tabular report



Model element properties and/or tagged values with optional renaming and colored groupings

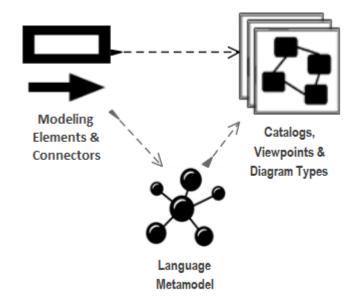
Model specific connections in specific direction to specific types of elements.

Model automatic connection consolidation into parent element relationships

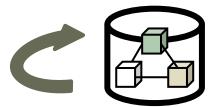


Labnaf Customization Steps

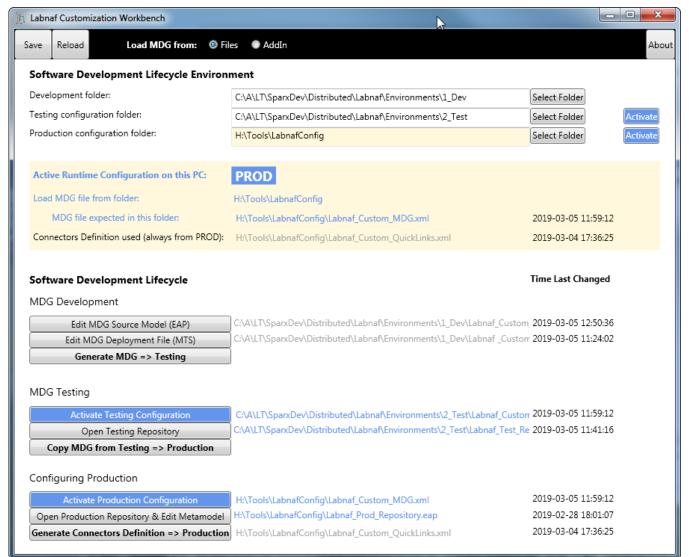
 Customize the language following your organization requirements



Adapt existing repository content



The Customization Workbench guides you throughout the Language customization lifecycle





Straight through collaboration with a single language from idea to software in production

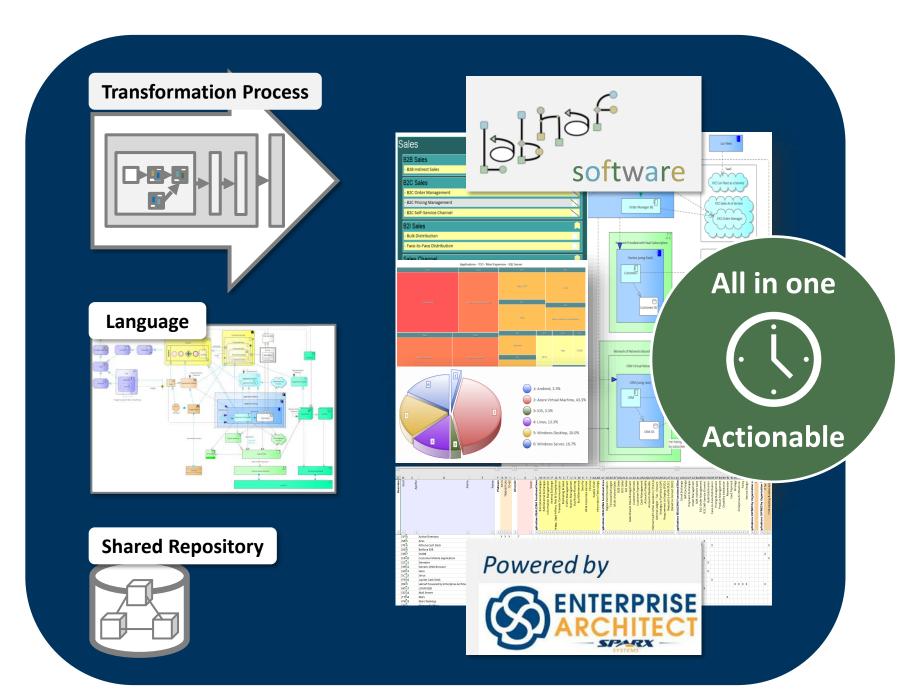
We play many different roles, but...

We speak the same language

We share the same information in the same repository

We follow the same process and we use the same tool

We collaborate effectively









www.sparxsystems.eu

Request a Demo & Educational material www.Labnaf.one