Delivering Business Value with Enterprise Architecture Using TOGAF® and ArchiMate®

Dr. Bas van Gils
b.vangils@bizzdesign.nl
"Life is and will ever remain an equation incapable of solution, but it contains certain known factors."
--Nikola Tesla (1935)
BiZZdesign’s Integrated service offering

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Selection of our customers & offices

- Netherlands: Amersfoort, Enschede
- North America: Toronto, Boston
- Belgium: Leuven
- UK: London
- Germany: Dusseldorf
- France: Paris
This presentation is not about “EA for the sake of EA” ...

... but about solving business- and IT challenges using TOGAF and ArchiMate from the EA toolbox
Agenda

• PositioningEA
• Introduction to TOGAF and ArchiMate
• Doing architecture
• Trends and examples
• Why TOGAF and ArchiMate will help you add business value
POSITIONING EA
EA is a conceptual tool that helps organizations get a deeper understanding of their own structure and of the way they work. It provides a map of the enterprise and it is a “route planner” for business and technology change. Important uses of it are in systematic IT planning/architecting and in enhanced analysis and support for decision-making.

Handbook: Enterprise Architecture, BiZZdesign, 2012
From strategy to implementation

- Strategic management: How do we position ourselves w.r.t. our environment?
- Enterprise Architecture: How do we organize ourselves?
- Process management: How do we perform our business effectively?
- Business-model
- Architecture model

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INTRODUCTION OF TOGAF AND ARCHIMate
Ingredients of an EA approach

TOGAF

Process

Viewpoints

Language

Repository, Reference Models

ArchiMate
The TOGAF components

- **ADM**
  - Preliminary
  - Architecture View
  - Business Architecture
  - Information Systems Architecture
  - Technology Architecture
  - Migration Planning
  - Opportunities and Solutions

- **Architecture Content Framework**

- **Reference Models**

- **ADM Guidelines & Techniques**

- **Enterprise Continuum**

- **Architecture Capability Framework**
Architecture Development Method (ADM)
Summary of the ADM

1. “Getting the organisation committed & involved”

2. “Getting the architecture right”

3. “Making the architecture work”

4. “Keep the process running”
Benefits of TOGAF

• Open
• Complete method
• Certification
• Support
  – Tools
  – Service providers
• Active user community
  – Webinars
  – LinkedIn
  – Whitepapers
• Aligned with industry frameworks
ArchiMate + TOGAF
The ArchiMate framework

Passive structure | Behavior | Active structure

Business
- Business product
  - Contract
  - Business service
- Business object
  - Business function
  - Business role
  - Business actor

Application
- Application service
  - Application function
  - Application interface
  - Application component

Technology
- Artifact
  - Infrastructure service
  - Infrastructure interface
  - Node
Applying ArchiMate® 2.0

Baseline

Target

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Examples of views
Benefits of ArchiMate

• Open standard, aligned with TOGAF
• Closes the gap between “sketched models” and formal / technical diagrams
• Tool support for modeling, analysis and visualization
• Consistent and integrated modeling within and across domains
• Easy to use, low complexity, step-by-step increase in advanced use
### Specifications

Specifications of TOGAF and ArchiMate can be found online:
- [http://pubs.opengroup.org/architecture/archimate2-doc/](http://pubs.opengroup.org/architecture/archimate2-doc/)

### BiZZdesign Quick Start Program

Our Quickstart Program consists of 4 recorded webinars and a whitepaper, and can be downloaded at our website:
- [http://www.bizzdesign.nl/downloads/](http://www.bizzdesign.nl/downloads/)

### BiZZdesign Architect

A one-month evaluation version of our ArchiMate tool, BiZZdesign Architect, can be downloaded from our website:

### Blogs

Check out our blog for series of articles on implementing TOGAF, getting started with ArchiMate, architecture standards etc.
- [http://blog.bizzdesign.com](http://blog.bizzdesign.com)
ADDING VALUE WITH TOGAF AND ARCHIMATE
Data Management:
NoSQL, Big Data, BI, Business Policy / Rules, MDM, Meta-data, Data Warehouse

Strategic Management:
Business Model Canvas, Innovation, Business Intelligence, business model
Growing business attention for Data Management

Niehaus sees how vulnerable smartphones, data storage can be

Big Data Key to Big Gains in Energy

Data management helps brokers deliver better service

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Alignment between all disciplines is the key to success: enable the business by doing the right things right.
Building a DM capability using EA methods

TOGAF provides a structured method for effectively realizing a business vision:

- start with a business vision for the data management capability
- develop baseline & target architecture
- incremental realization

Capability based planning is a key ingredient for successful enterprise-wide change:

- DMBOK Elements map on aspects of the DM capability
- Provides a basis for roadmapping: what goes first?

ArchiMate is the language of choice for enterprise-level modeling:

- High level modeling within & across domains
- Basis for analysis & visualization
- Aligned with TOGAF & DMBOK
Overview

Stewardship of an information area

Data Council
- Transaction steward
- Claim steward
- Staff steward

Decomposition of an information area in entities

- Policy
- Contract
- Address
- Risk category
- Bank account
- Party
- Person
- Organization
- Customer

Mastering of data objects in an MDM environment

Data movement to an EDW environment for BI products such as financial reports, production reports, governance logs etc.

Data Object counterparts of entities are stored in information systems
Tool support

- Tool support is an essential ingredient for effective Data Management.
- We are extending BiZZdesign Architect:
  - based on ArchiMate
  - aligned with TOGAF and DM standards such as DMBOK
  - powerful analyses
  - flexible visualizations for various stakeholders
Example: implementing BI at a large governmental organization

• The situation:
  – The organization is implementing business intelligence practices, supported by an EDW, to better govern the enterprise
  – Several groups are working on BI and “claiming the pot of gold”
  – Mix of “IT push” and actual business need

• The question:
  – Help us get organized!
  – Help us get the results from our BI-investments!
What about EA?

• Is this an architectural problem?
  – That depends...
  – ... but is the wrong question!
  – Architecture thinking/ methods can help in solving the puzzle!

• What we did:
  – We used stakeholder maps to show how the various concerns of BU’s are interlinked
  – We used capability based planning to show the broad nature of BI
  – We created a high level of the status quo and developed BI-implementation roadmap with several options
  – We used a mix of formal models and “napkin sketch” visualizations
Some example visualizations
• Many business problems have similar characteristics:
  – Touch many BU’s with concerns that do not always align
  – Big impact, from workflow up to (top) management, ranging from process, organization structure, data, and IT infrastructure
  – Various solution alternatives are available and viable
  – Etc.

• In these cases it pays off to use EA-methods!
  – Models help to come to grips with the complexity of the problem
  – The TOGAF/ADM philosophy as well as guidelines and techniques provide a solid backdrop for facing these issues
WHY TOGAF AND ARCHIMATE WILL HELP YOU ADD BUSINESS VALUE
This presentation is about solving business issues using TOGAF and ArchiMate from the EA toolbox
TOGAF & ArchiMate for success

- Proven combination
- Balanced approach to EA: process & modeling
- Applicable to many organizations and situations
- Large user base
- Open approach
- Extensive (tool) support
To summarize...

We have a perfect basis for a **tool supported** Enterprise Architecture practice!

- Specifically **designed for enterprise architecture**
- **Method to guide you** to set up and perform EA successfully
- Integrated, consistent and **coherent modelling** in various phases
- Supports generation of **compelling views** for various stakeholders from a central **repository**
- Eases **impact of change**, gap and other types of analysis
- Eases **sharing, maintenance** and **reuse** of models
Taking the next step with TOGAF + ArchiMate

• Set goals for your architecture function
• Get ready for doing ArchiMate
  – Training
  – Tool selection
• Find a project to show value
  – Stakeholder analysis
  – Determine views & viewpoints
  – Make the project a success
• Keep the process running
Blog.bizzdesign.com

• **TOGAF series**: helps you getting started with TOGAF
• **Architecture standards**: provides a consistent approach to architecture standards management
• **ArchiMate series**: provides an overview of ArchiMate combined with best practices
• **Roadmap to success**: presents best practices for building a strong architecture capability

**THE Open Group**

• Downloadable versions of the full specifications of ArchiMate and TOGAF at [http://www.opengroup.org](http://www.opengroup.org)
• Many whitepapers, and recorded webinars

**BiZZdesign**

• General information about BiZZdesign: [http://www.bizzdesign.com](http://www.bizzdesign.com)
• The website of our Academy: [http://www.bizzdesign.com/training](http://www.bizzdesign.com/training)
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