

I've Downloaded TOGAF Now What?

One Hour Tutorial To TOGAF for Freshers

THE *Open* GROUP

Sanda Morar

Senior Technical Architect

Infosys Technologies Ltd.
10 Upper Bank Street
Canary Wharf

London E14 5NP
United Kingdom
www.infosys.com

THE *Open* GROUP

I've Downloaded TOGAF Now What?

- ❑ Option 1
 - Read 524 pages end to end and that is 8.73 pages / minute..
- ❑ Option 2
 - Identify the relevant parts to read
 - Keep the rest of the pages as ref material

Agenda

- ❑ Understand what I downloaded
 - What TOGAF is and is not
 - TOGAF Concepts
- ❑ Enlist Support
 - Get a mandate within the organization
 - Gather the followers of EA
 - Benefits
- ❑ Customize, Model and Extend
- ❑ What to do next

TOGAF – Open Group Definition

- ❑ The Open Group Architecture Framework (TOGAF) is a framework - **a detailed method and a set of supporting tools** - for developing an enterprise architecture (*).
- ❑ Open Group definition for the architecture framework(*):
 - **is a tool** which can be used for developing a broad range of different architectures.
 - It should **describe a method** for designing an **information system** in terms of a set of building blocks, and for showing how the building blocks fit together.
 - It should contain **a set of tools** and **provide a common vocabulary**.
 - It should also include a list of **recommended standards** and compliant products that can be used to implement the building blocks.

(*)togaf811.pdf

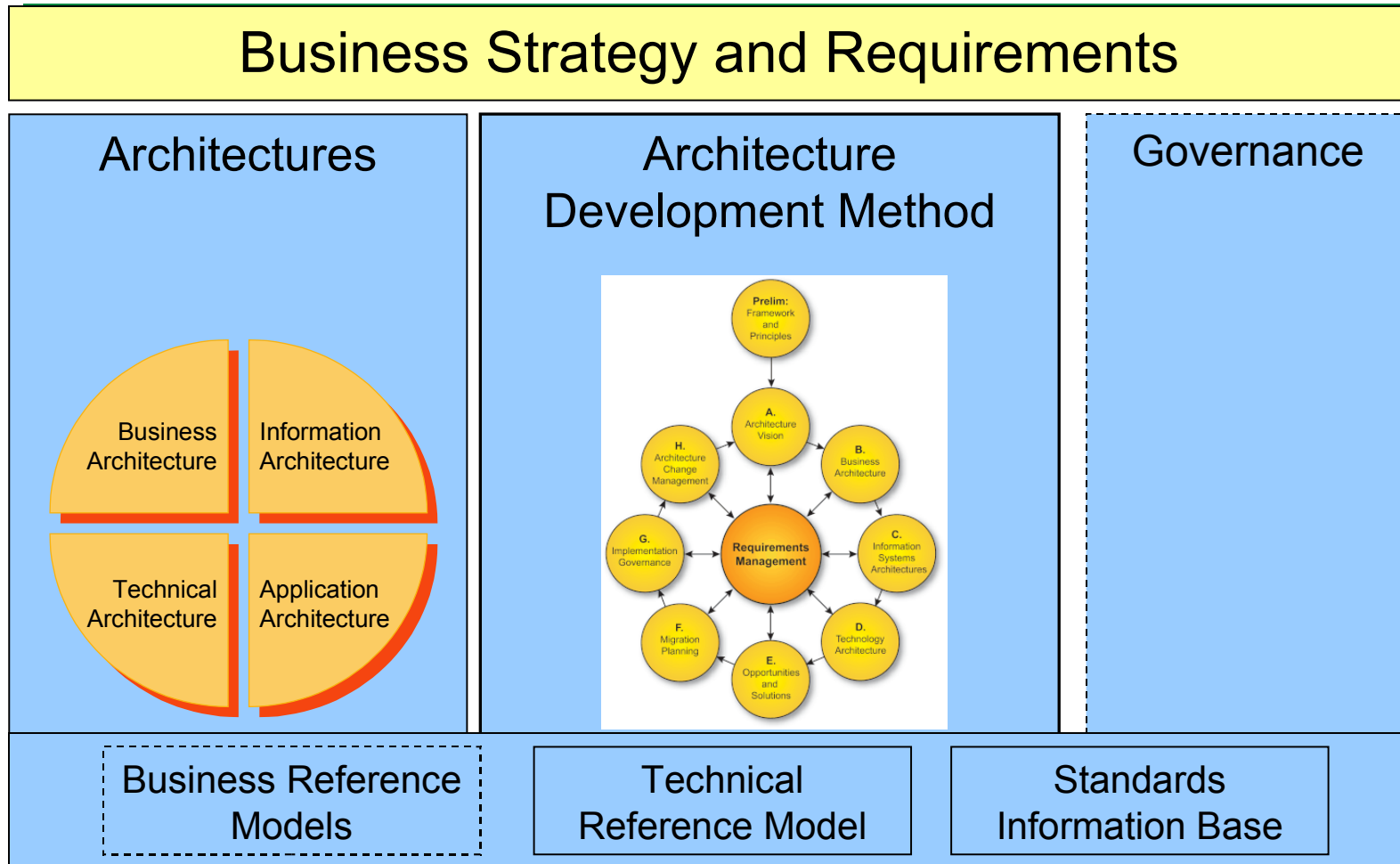
TOGAF Framework - Real life definition

What TOGAF is	What TOGAF is not
Generic	Prescriptive about how to customise the framework
Process Driven	Prescriptive ,Artefact Driven
“One size fits all organizations”	Specific to company size or to an industry
Flexible	Ontology Driven
Set of Conceptual Tools	Tool
Providing generic deliverables	Prescribing a specific set of deliverables

Agenda

- ❑ Understand what I downloaded
 - What TOGAF is and is not
 - TOGAF Concepts
- ❑ Enlist Support
 - Get a mandate within the organization
 - Gather the followers of EA
 - Benefits
- ❑ Customize, Model and Extend
- ❑ Deepen your Knowledge

TOGAF Framework Concepts



Source: Infosys Technologies Ltd

TOGAF Framework concepts - Architectures

- ❑ **Business Architecture**
 - Defines the business strategy, governance, organization, and key business processes.
- ❑ **Data Architecture**
 - Describes the structure of an organization's logical and physical data assets and data management resources.
- ❑ **Applications Architecture**
 - Provides a blueprint for the individual application systems to be deployed, their interactions, and their relationships to the core business processes of the organization.
- ❑ **Technology Architecture**
 - Describes the logical software and hardware capabilities that are required to support the deployment of business, data, and application services. This includes IT infrastructure, middleware, networks, communications, processing, standards, etc.
- ❑ The combination of Data Architecture and Applications Architecture is also referred to as the **Information Systems Architecture**.

(*)togaf811.pdf

TOGAF Framework concepts - Design, Evaluate & Build the right architecture

□ Design

- What to design
 - " Baseline" &"Target" for each Architecture Domain
- How to design
 - Resources: Views, TRM and others....
- Templates

□ Evaluate

- How to evaluate
 - Review Models and others...
 - Gap Analysis

□ Build

- Architecture Development Method (ADM) - a step-by-step approach to **developing, implementing and governing** an enterprise architecture (*).

(*):togaf811.pdf

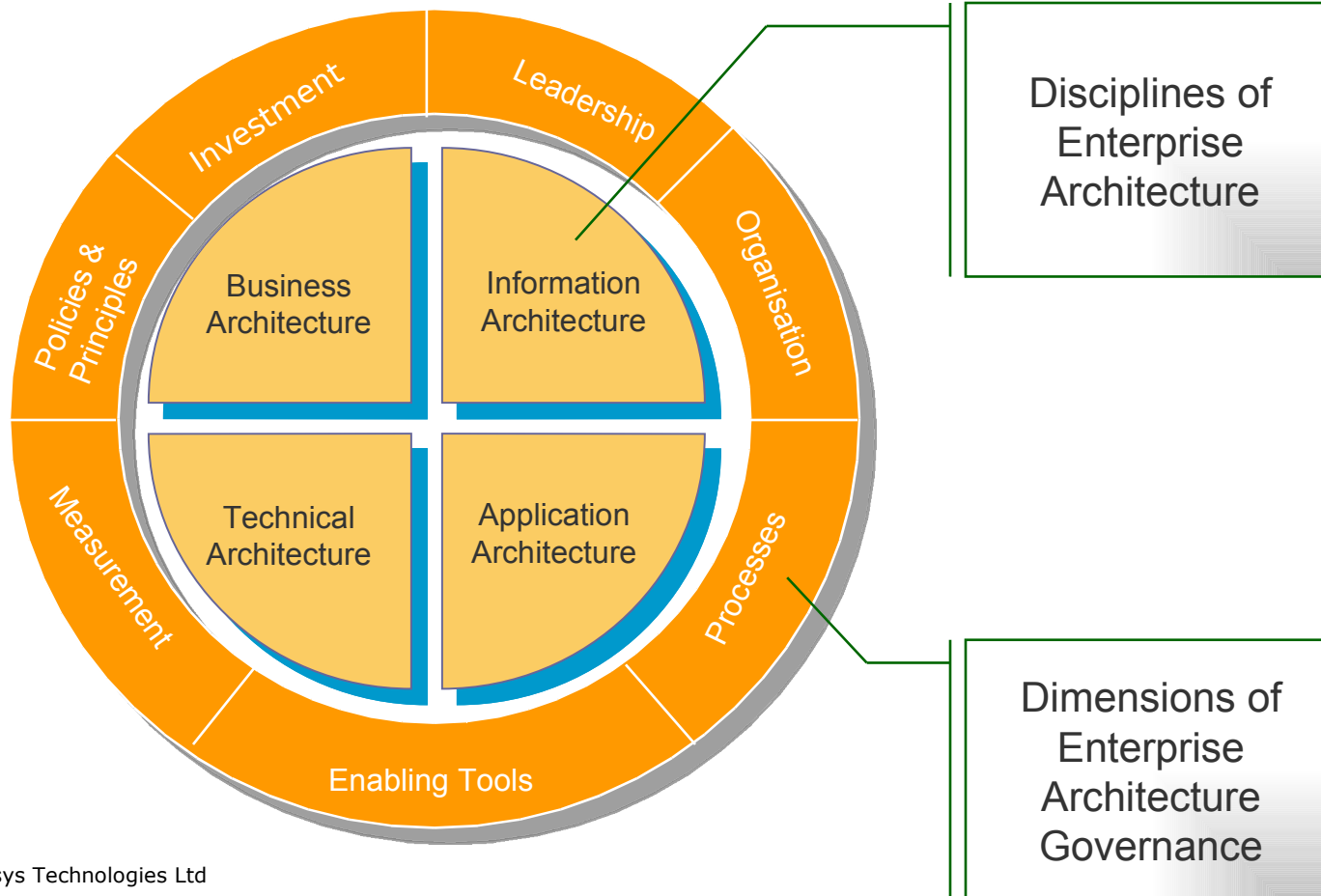
ADM – Real life definition

What ADM is	What ADM is not
A step-by-step approach to developing an enterprise architecture(*)	The whole TOGAF Framework
Method - a way, technique, or process of or for doing something (**)	Chair in an ivory tower
Process - a series of actions or operations conducting to an end(**)	Quick & easy

(*)togaf811.pdf

(**) <http://www.merriam-webster.com/dictionary/Method>

Dimensions of Governance provide an encompassing framework for all of the Enterprise Architecture disciplines



Source: Infosys Technologies Ltd

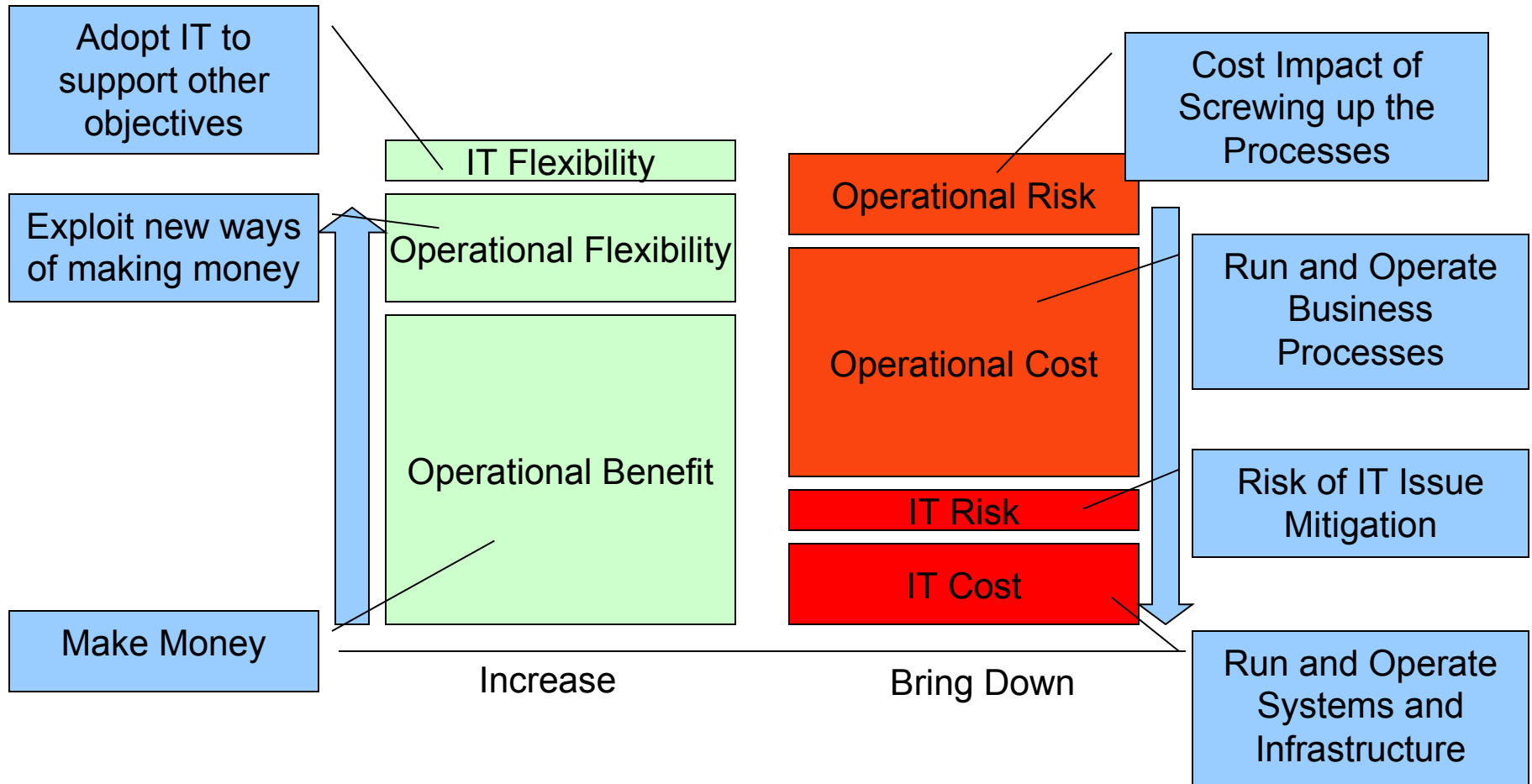
Agenda

- ❑ Understand what I downloaded
 - What TOGAF is and is not
 - TOGAF Concepts
- ❑ Enlist Support
 - Get a mandate within the organization
 - Gather the followers of EA
 - Benefits
- ❑ Customize, Model and Extend
- ❑ Deepen your Knowledge

Get a mandate within the organization

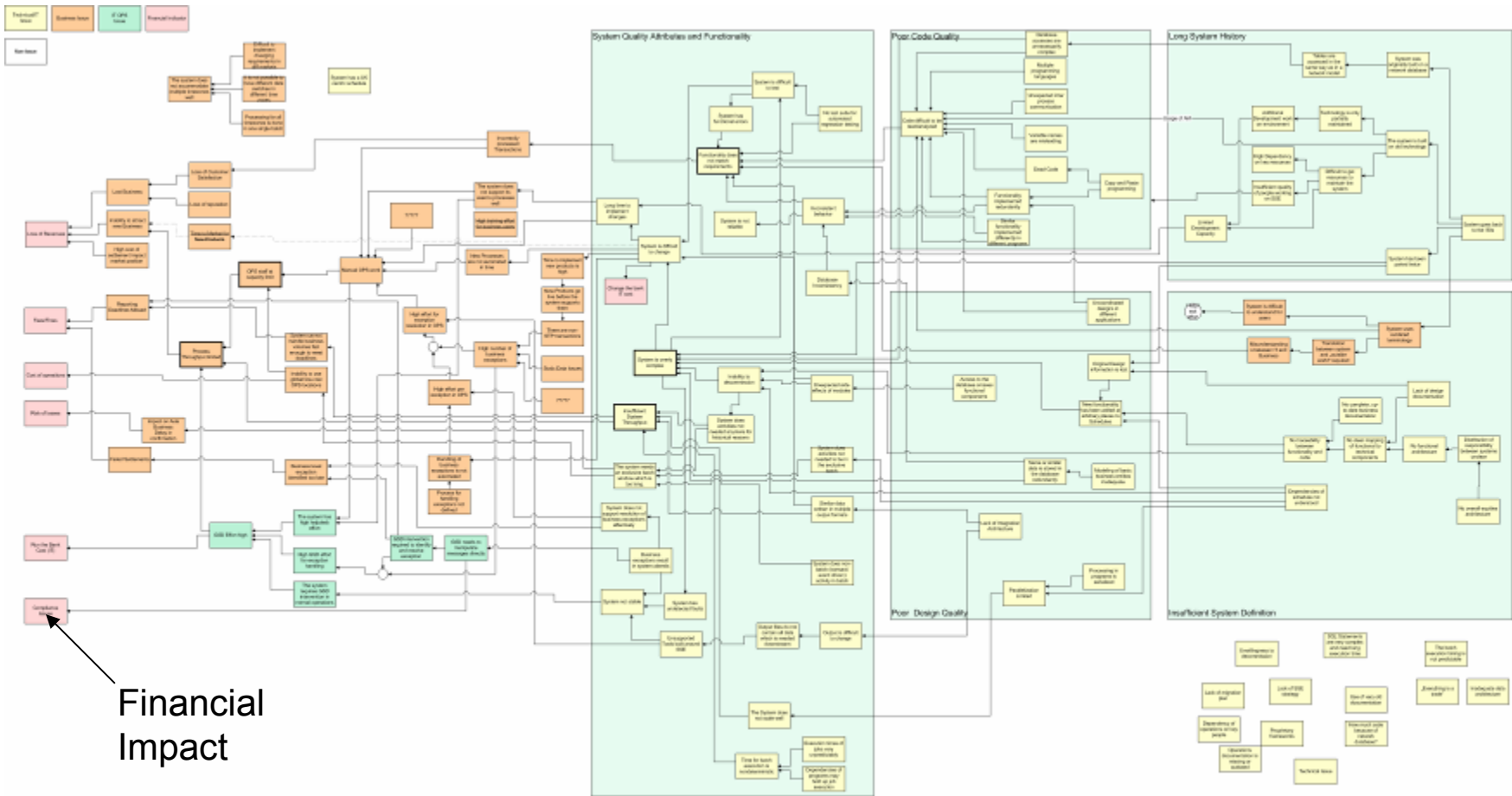
- ❑ Find a strategic programme which depends on it
- ❑ Find a powerful stakeholder and align with his objectives
- ❑ Show where the money is
- ❑ Aligning with Strategy may provide pre-cooked business cases

...but in the end, it all boils down to the balance sheet



Source: Infosys Technologies Ltd

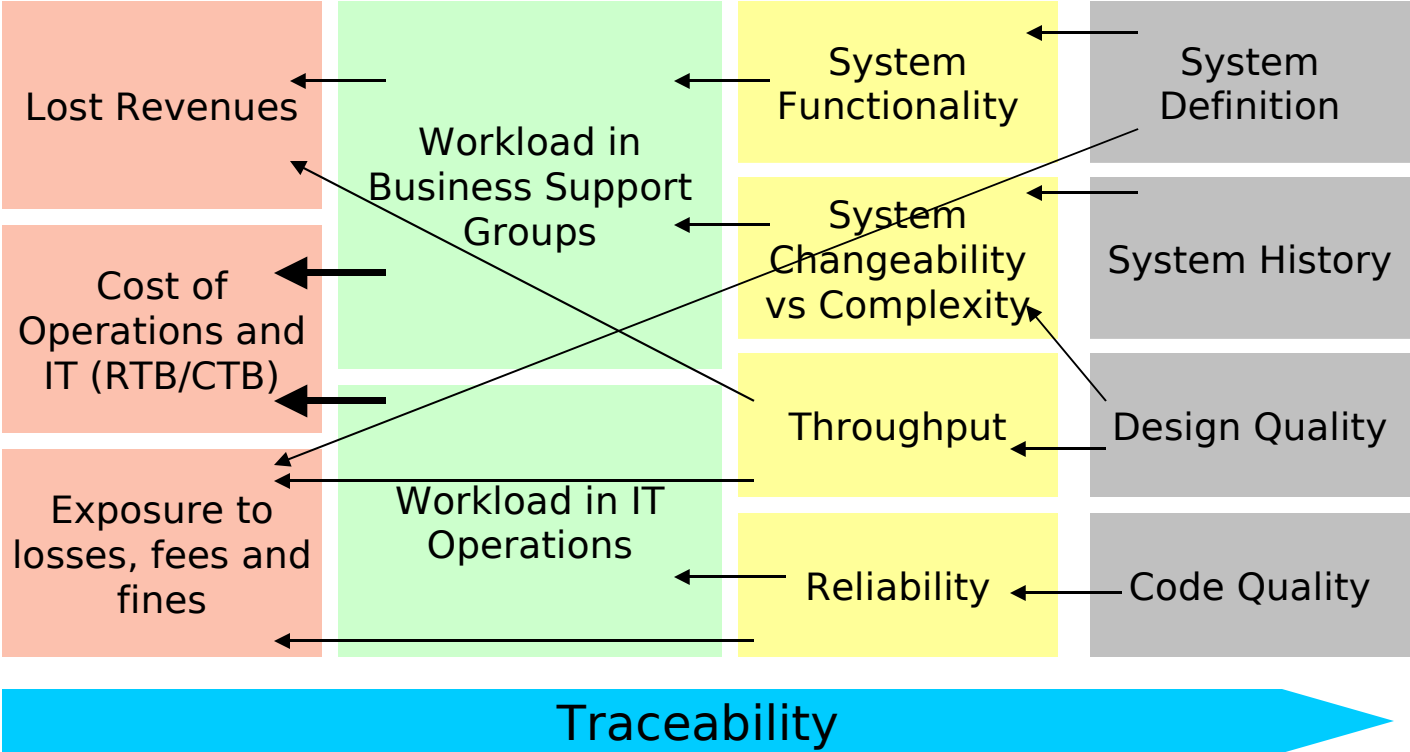
A credible case for change needs to track technology aspects through to financial impact



Financial Impact

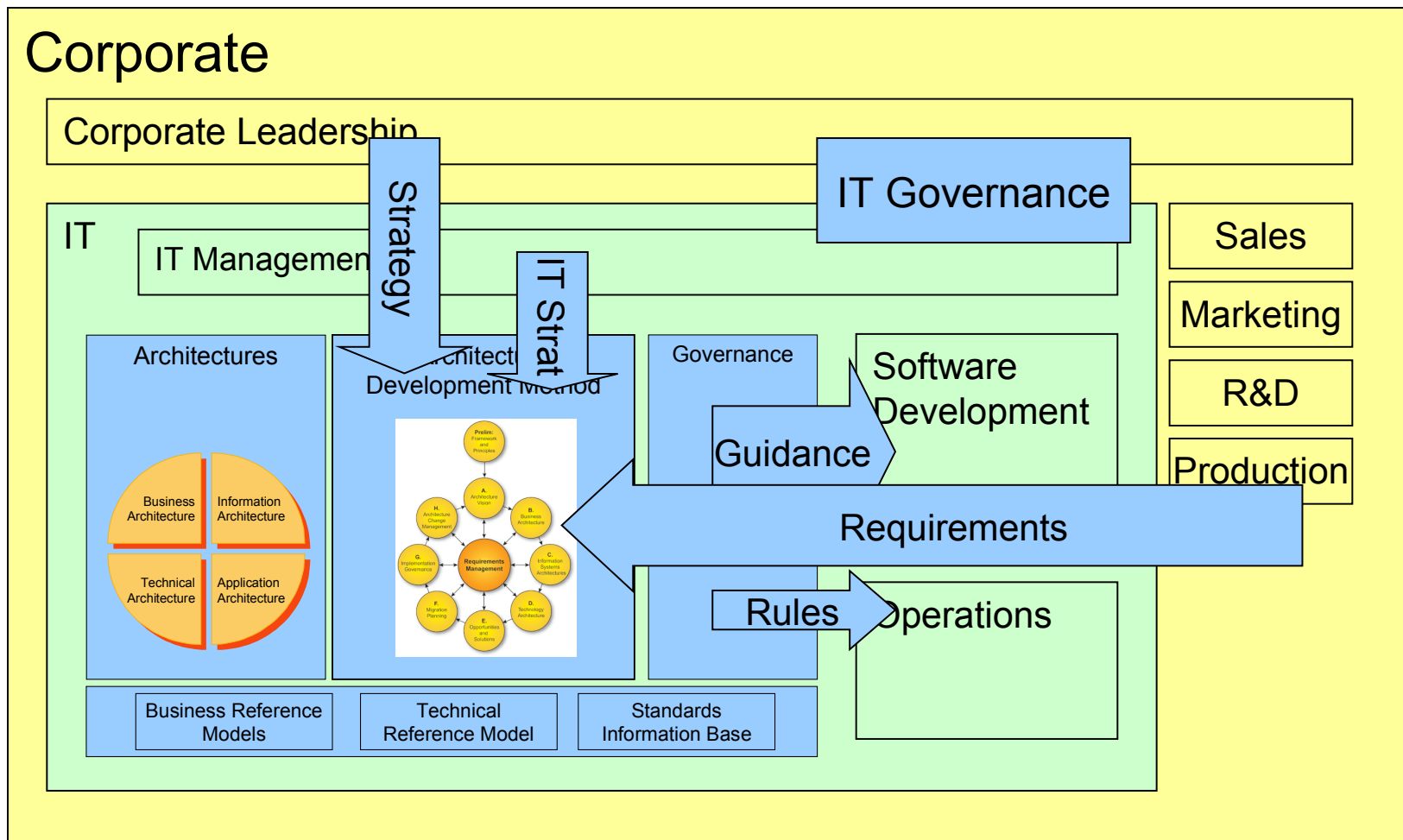
Source: Infosys Technologies Ltd

A credible case for change needs to track technology aspects through to financial impact



Source: Infosys Technologies Ltd

The architecture development process needs to be linked into the organization



Source: Infosys Technologies Ltd

Benefits

Financial Benefits

- Alignment of IT business case to value of strategic initiatives
- Reuse
- Time Savings
- Lower support cost
- Lower acquisition cost
- Technical Adaptability

Business Benefits

- Product/ Service Time to Market
- Agility of Enterprise
- Flexible sourcing of value chain components
- Alignment of IT to business – Planning of initiatives at strategic timeline
- Risk reduction

Other Corporate Benefits

- Increased flexibility of staffing
- Scale of skill pools

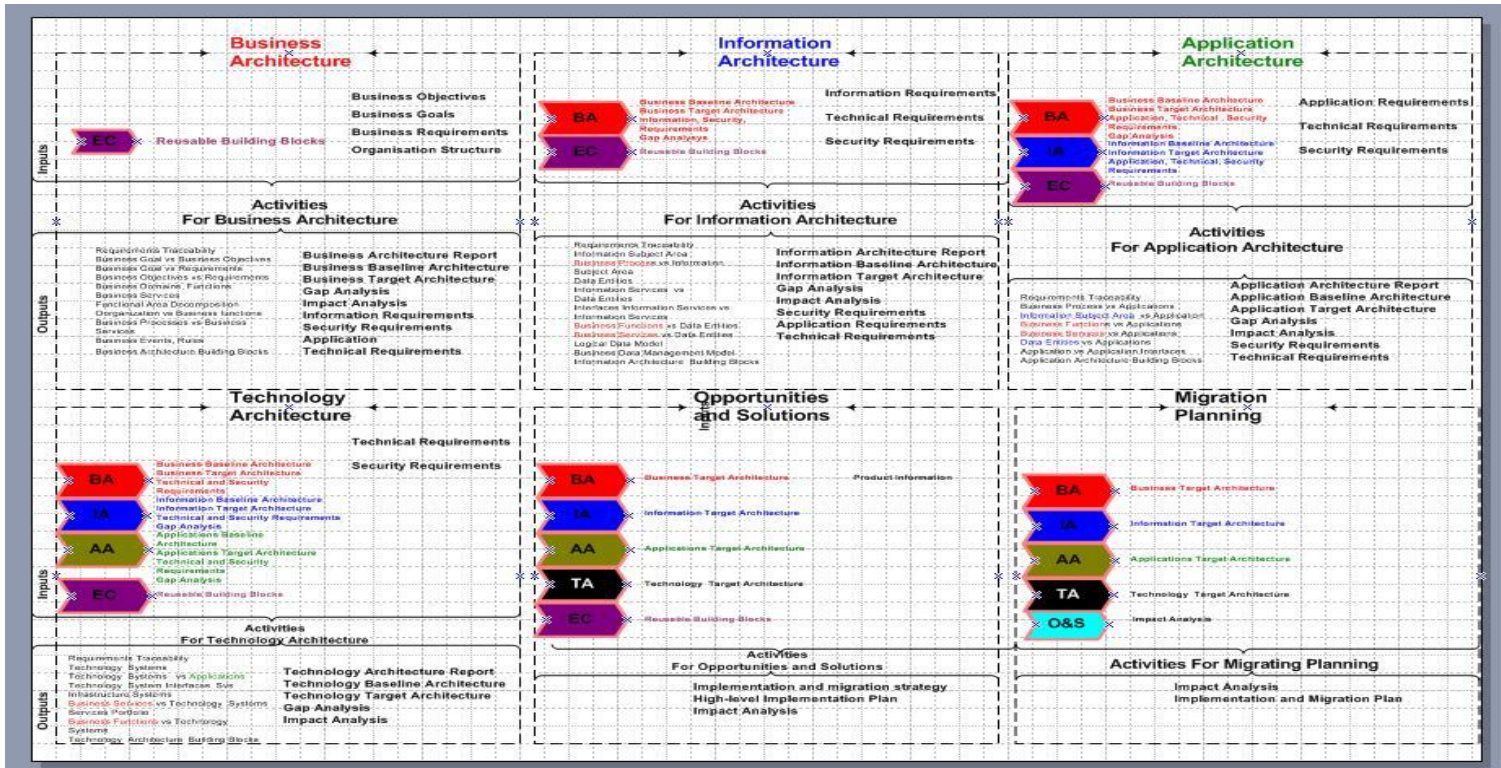
Source: Infosys Technologies Ltd

Agenda

- Understand what I downloaded
 - What TOGAF is and is not
 - TOGAF Concepts
- Enlist Support
 - Get a mandate within the organization
 - Gather the followers of EA
 - Govern
 - Benefits
- Customize, Model and Extend
- What to do next

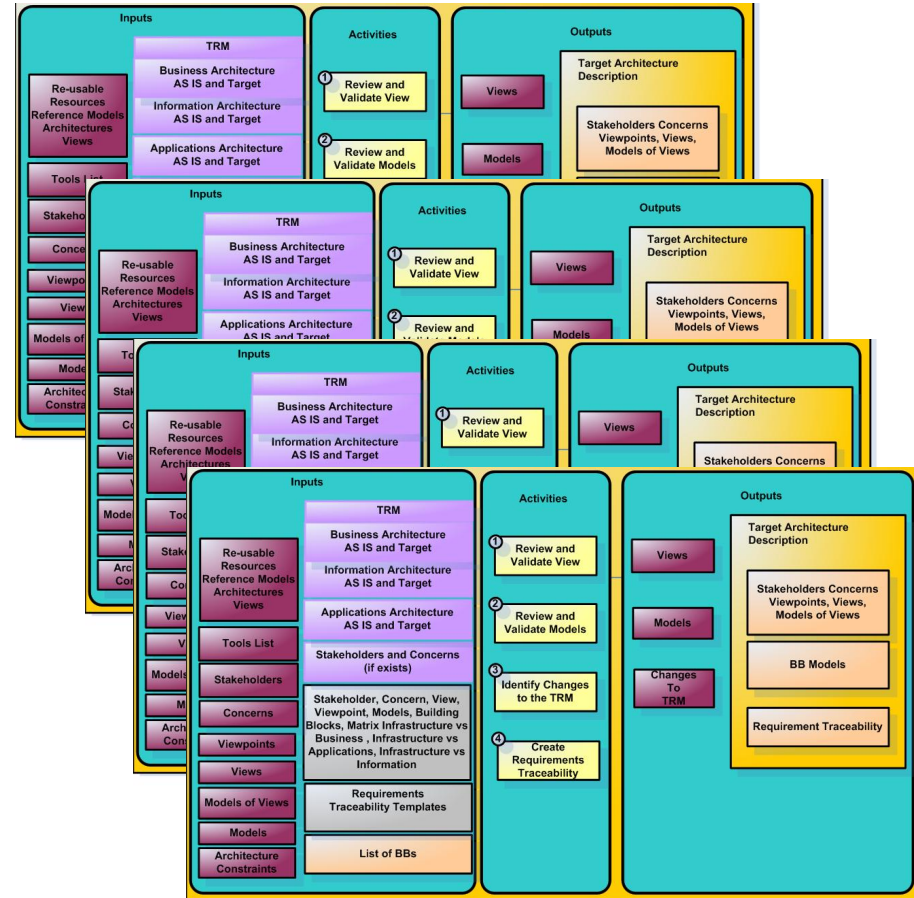
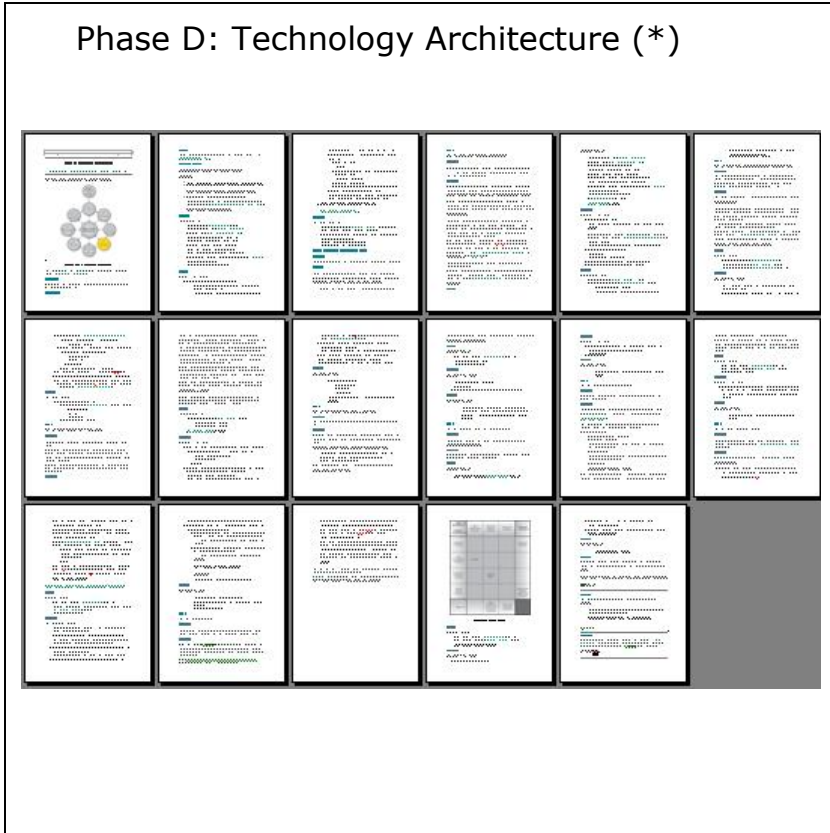
Customise ADM

- “What happens if I do it, What happens if I don’t do it”
- How to relate the work product inside and in between the ADM phases



Source: Infosys Technologies Ltd

Example of customising Phase D



(*)togaf811.pdf

Why TOGAF Meta Model - illustrative

□ Characteristics

- Precise (correct);
- Extensible
- Flexible

□ Applicability

- To facilitate communication
- For analysis purposes
- Traceability
- Framework customisation

How to create a TOGAF meta model in two weeks

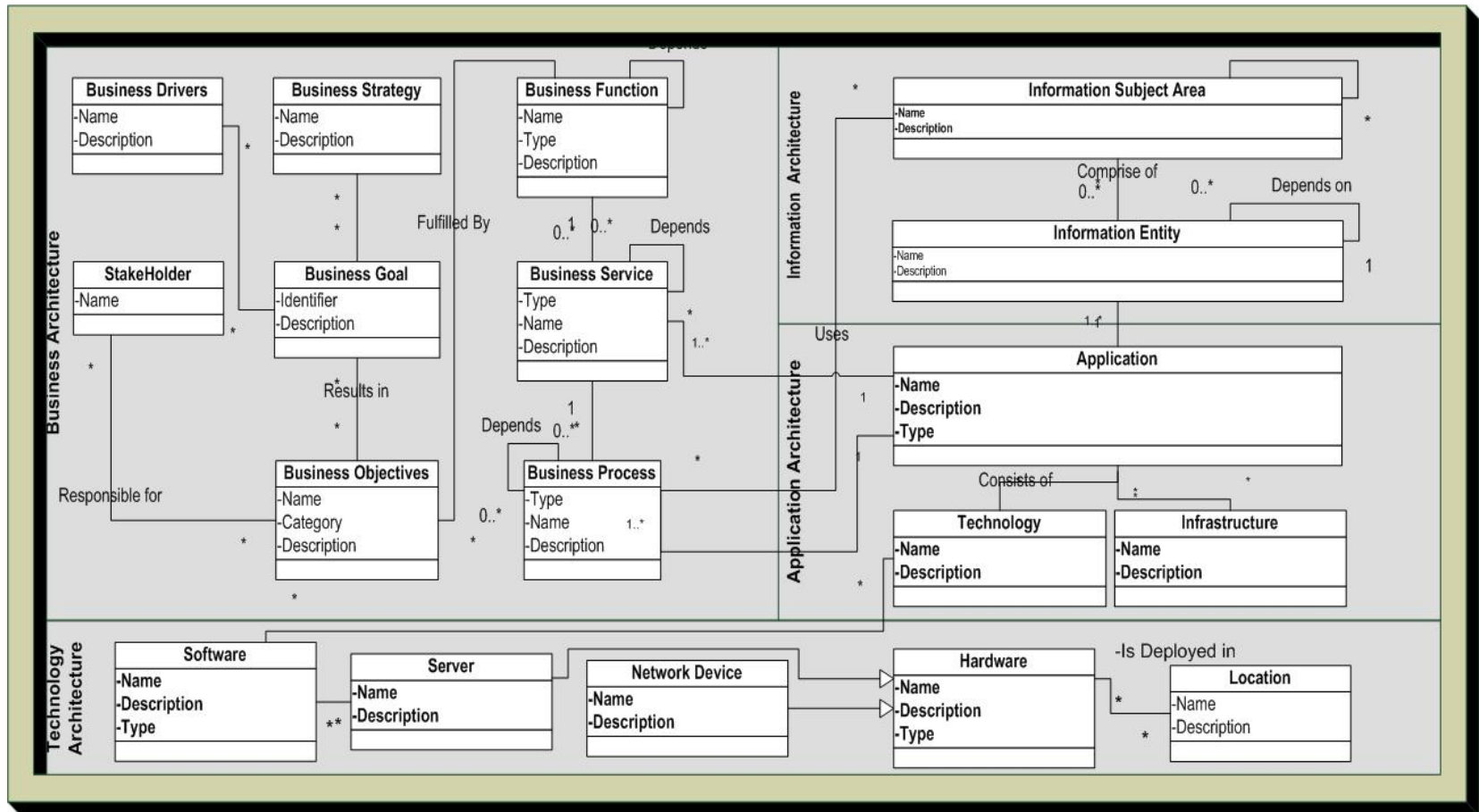
Week 1

2. Remember the times when you were designing and writing towards OO code
3. Take a deep breath

Week 2

5. Open a UML editor
6. Create 5 Static Structures
7. Name them:
 - Business Architecture Meta Model
 - Information System Architecture Meta Model
 - Technology Architecture Meta Model
 - Requirements Management Meta Model
 - Consolidated Reference Meta Model
8. For each 1-4
 - Identify entities within “Domain”
 - Identify relationships between entities
 - Draw them
- Create Static Structure 5
- Have a deserved break

Example of Meta Model



Source: Infosys Technologies Ltd

Extending TOGAF

- Incorporating SOA
 - Identify SOA Artefacts For each Phase
 - Identify and describe the steps where the SOA artefacts are used
- Incorporating Security
 - Identify Security Artefacts For each Phase
 - Identify and describe the steps where the Security artefacts are used
- Create
 - Guidelines
 - Check lists
 - Templates
 - Examples

Agenda

- ❑ Understand what I downloaded
 - What TOGAF is and is not
 - TOGAF Concepts
- ❑ Enlist Support
 - Get a mandate within the organization
 - Gather the followers of EA
 - Benefits
- ❑ Customize, Model and Extend
- ❑ What to do next

What to do next

1. Understand TOGAF
 - Definition (Slides 4 and 5)
 - Structure
 - Concepts (Slides 7 to10)
2. Deepen your knowledge
 - TOGAF Training
 - Do Further Reading TOGAF and EA
 - Attend Conferences
 - Become a member of the Open Group
 - Concepts (Slides 7 to10)
3. Enlist support (Slides 13 to 17)
4. Show benefits (Slide 18)
5. Customize, Model, Extend (Slides 20 to 26)

I've Downloaded TOGAF Now What?

Thank you & Good luck!