

TOGAF®

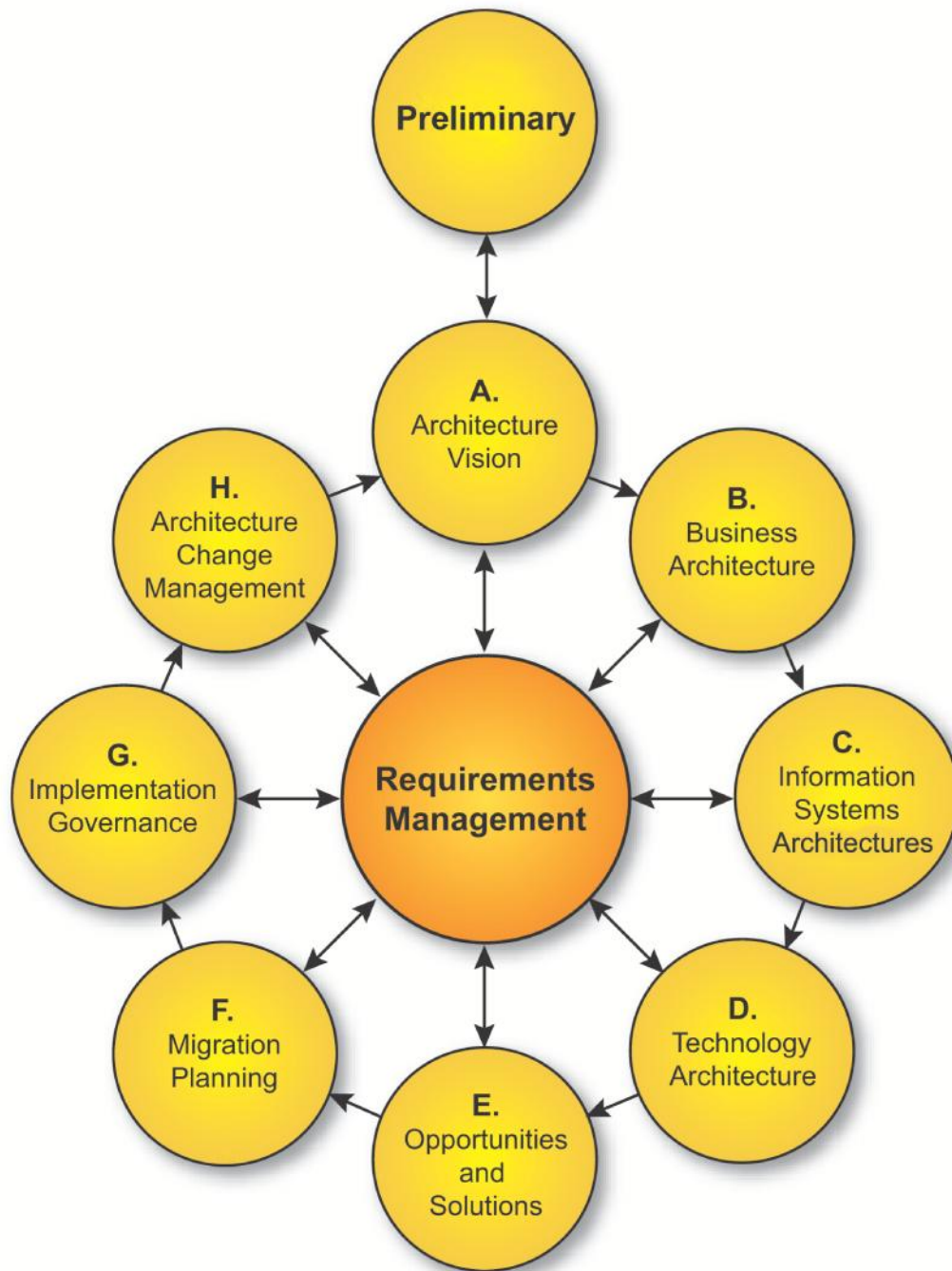
Version 9.1 Enterprise Edition

Module 6 Architecture Content Framework

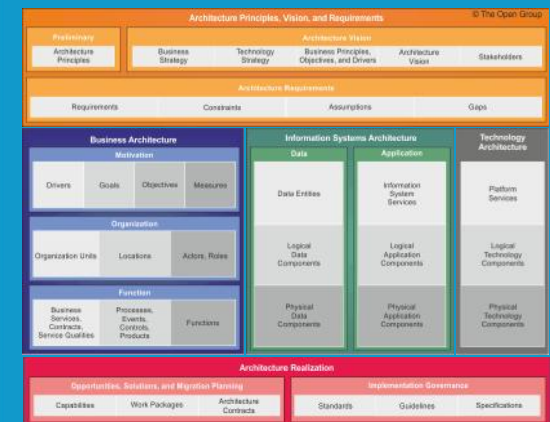
V9.1 Edition Copyright © 2009-2011

THE *Open* GROUP

All rights reserved
Published by The Open Group, 2011



Architecture Content Framework



TOGAF is a registered trademark of The Open Group in the United States and other countries

TOGAF®

Part IV: Architecture Content Framework

Part I - Introduction
Preface, Executive Overview, Core Concepts, Definitions and Release Notes
Part II – Architecture Development Method
Introduction to ADM
ADM Phase Narratives
Part III – ADM Guidelines and Techniques
Guidelines for Adapting the ADM Process
Techniques for Architecture Development
Part IV – Architecture Content Framework
Content Metamodel
Architectural Artifacts
Architecture Deliverables
Building Blocks
Part V – Enterprise Continuum and Tools
Enterprise Continuum
Architecture Partitioning
Architecture Repository
Tools for Architecture Development
Part VI – Reference Models
Foundation Architecture: Technical Reference Model
Integrated Information Infrastructure Reference Model
Part VII – Architecture Capability Framework
Architecture Board
Architecture Compliance
Architecture Contracts
Architecture Governance
Architecture Maturity Models
Architecture Skills Framework

- New for TOGAF 9
- This part describes
 - a structured metamodel for architectural artifacts,
 - use of architecture building blocks
 - an overview of typical architecture deliverables



Module Objectives

The objectives are to:

- Explain the purpose of the Architecture Content Framework
- Describe the main components of the Content Metamodel
- Describe the relationship between the Architecture Content Framework and the TOGAF ADM

Introduction

- The Framework is a significant part of the TOGAF framework
- It provides a detailed model of architectural work products
- It helps to improve the consistency of the TOGAF outputs
 - Presents outputs in a consistent and structured way
 - Helps to reference and classify them.



Benefits of the Architecture Content Framework

- It provides a comprehensive checklist of architecture outputs
- It promotes better integration of work products if adopted across an enterprise
- It provides a detailed open standard for how architectures should be described



Overview

- The Framework has 3 categories for describing work products:
 - **Deliverables**
 - **Artifacts**
 - **Building blocks**

Deliverables, Artifacts and Building Blocks

- **Deliverables**

- Formal products
- Contractually specified
- Outputs from a project
- A deliverable can contain many artifacts

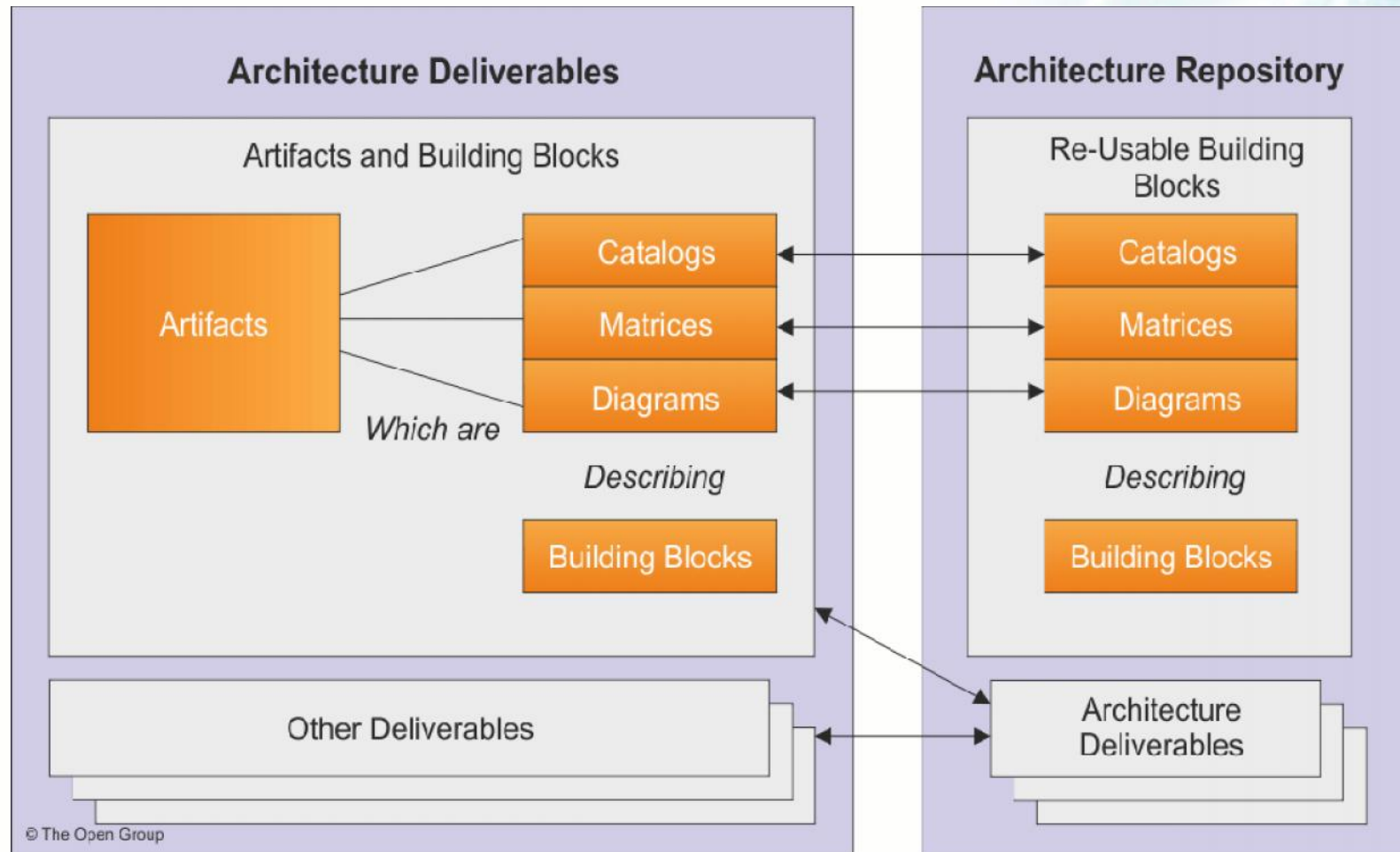
- **Building blocks**

- components that can be combined with other building blocks to deliver architectures and solutions

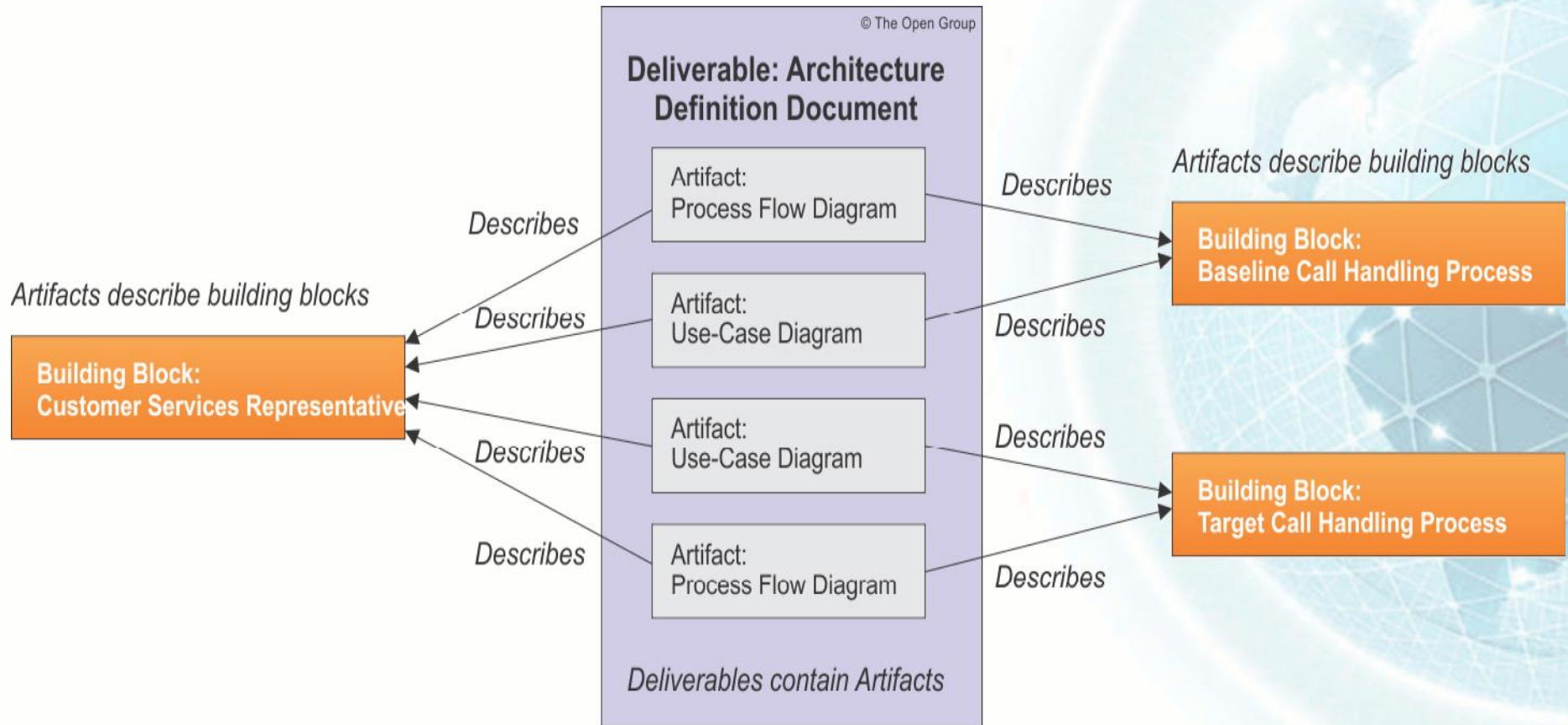
- **Artifacts**

- fine grained products that describe an architecture from a specific viewpoint
- For example: use-case specifications, architectural requirements, network diagrams, etc.
- Classified as:
 - Catalogs (lists of things),
 - matrices (showing relationships between things) or
 - diagrams (pictures of things).
- Artifacts make up the content of the Architecture Repository

Relationship between Deliverables, Artifacts and Building blocks



Example – Architecture Definition Document



Architectural Artifacts

- Artifacts are products that are created when developing an architecture.
- An artifact is distinct from a deliverable, which is a contracted output from a project.
- Usually deliverables contain many artifacts and each artifact may exist in many deliverables.

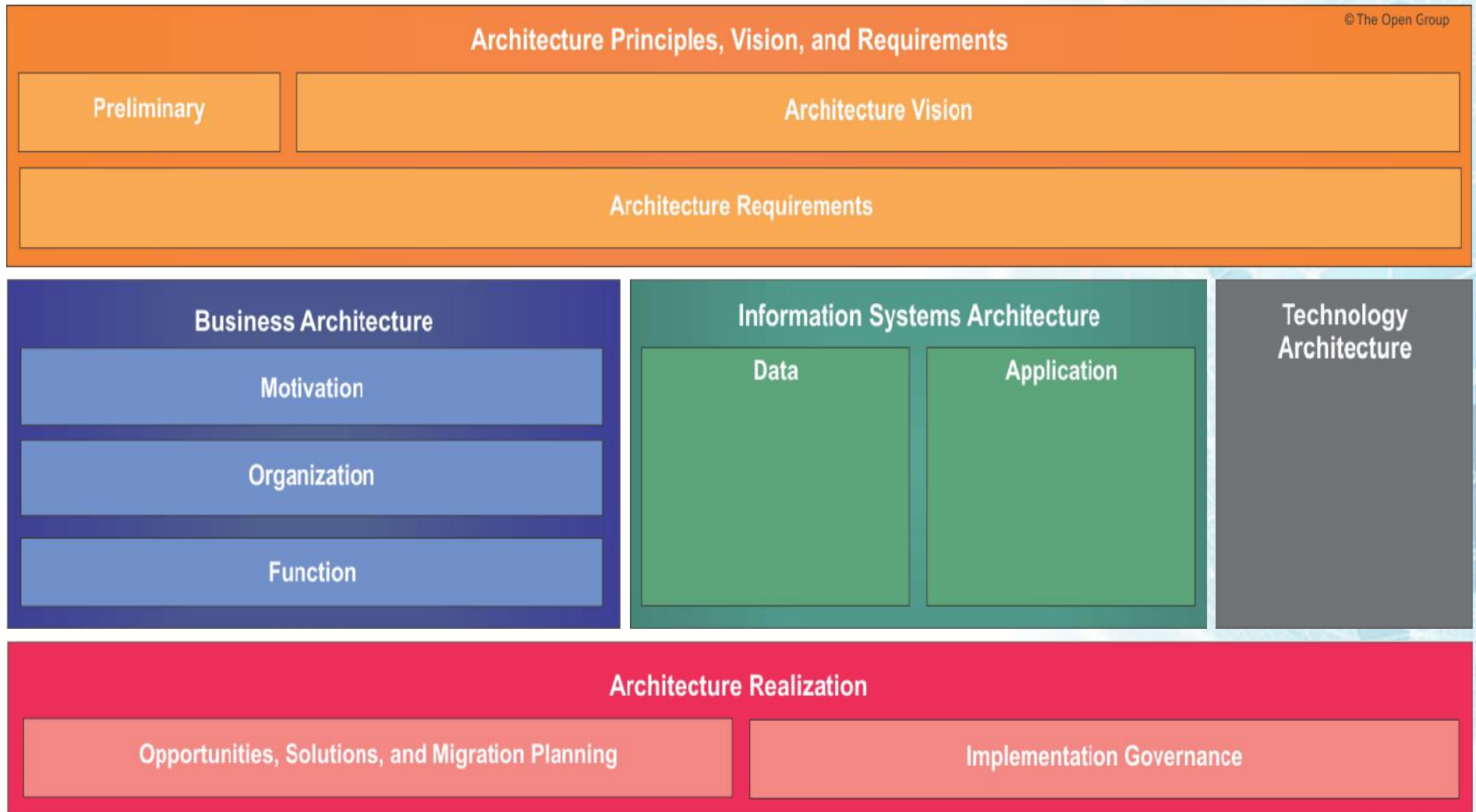
Content Metamodel

The framework is based on a standard content metamodel that defines all the types of building blocks in an architecture.

- Showing how these building blocks can be described
- How they relate to one another
- The content model consists of a core and extensions.
- Catalogs, matrices and diagrams are used to present the architectural information



Content Metamodel Overview



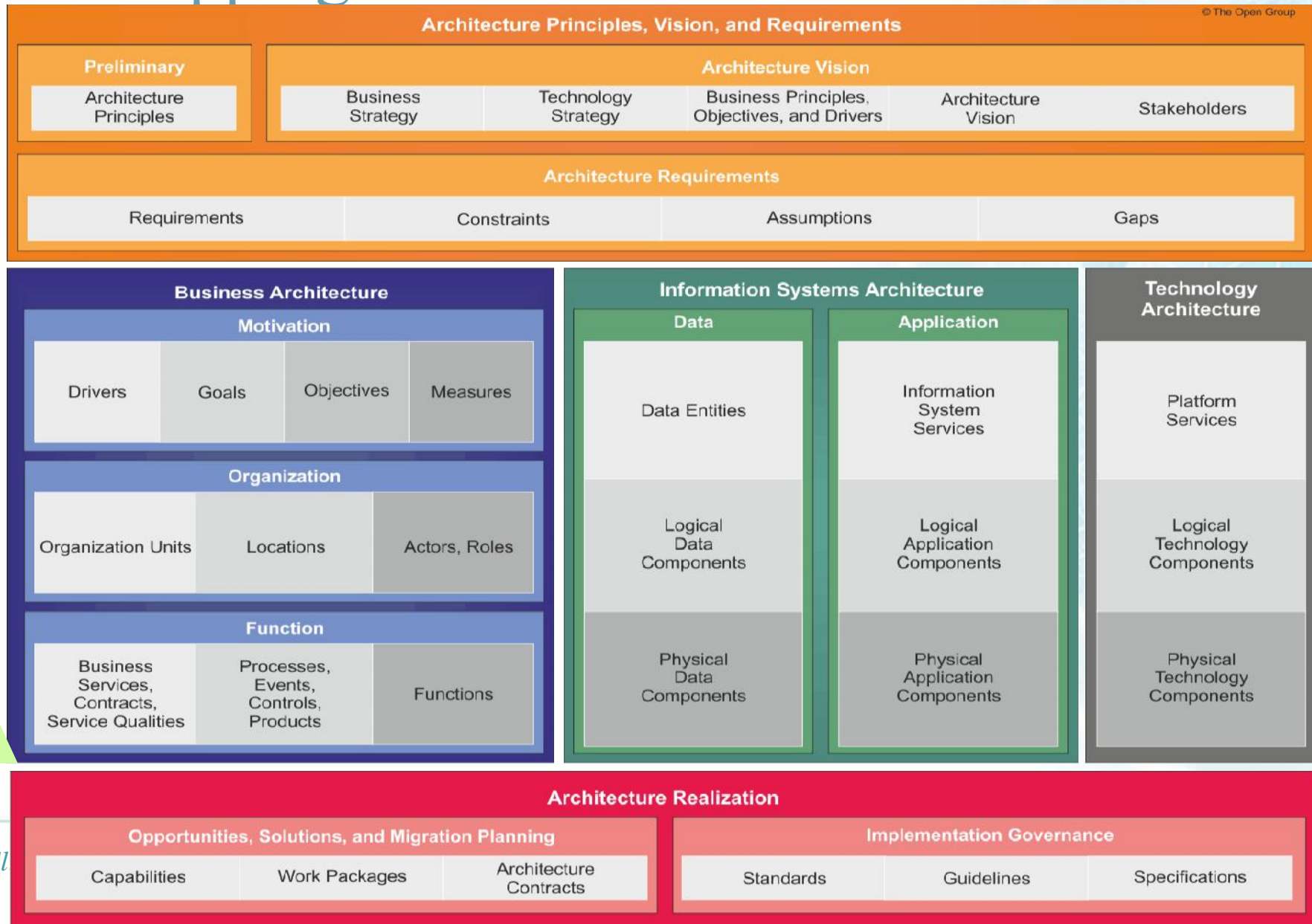
Mapping the Framework and the ADM

There is a mapping from the Architecture content framework to the TOGAF ADM phases:

- **Architecture Principles, Vision, and Requirements** artifacts should capture the context of the architecture models, including general architecture principles, strategic context and requirements.
- **Business Architecture** artifacts capture architectural models of business operations, specifically factors that motivate the enterprise, how the enterprise is structured and its functional capabilities.
- **IS Architecture** artifacts capture architecture models of IT systems, specifically applications and data.
- **Technology Architecture** artifacts capture procured technology assets used to implement and realize IS solutions.
- **Architecture Realization** artifacts capture the transitions between architecture states and are used to steer and govern the implementation.



Mapping the Framework and the ADM



Content Framework and the TOGAF ADM

- The ADM addresses a business need through a process of vision, definition, planning and governance. At each stage the ADM takes information as inputs and creates outputs.
- The content framework provides a structure for the ADM that defines inputs and outputs in detail and puts each deliverable into the context of the architecture.
- So the content framework is a companion to the ADM.
- The ADM describes what needs to be done to create an architecture and the content framework describes what it should look like in the end.

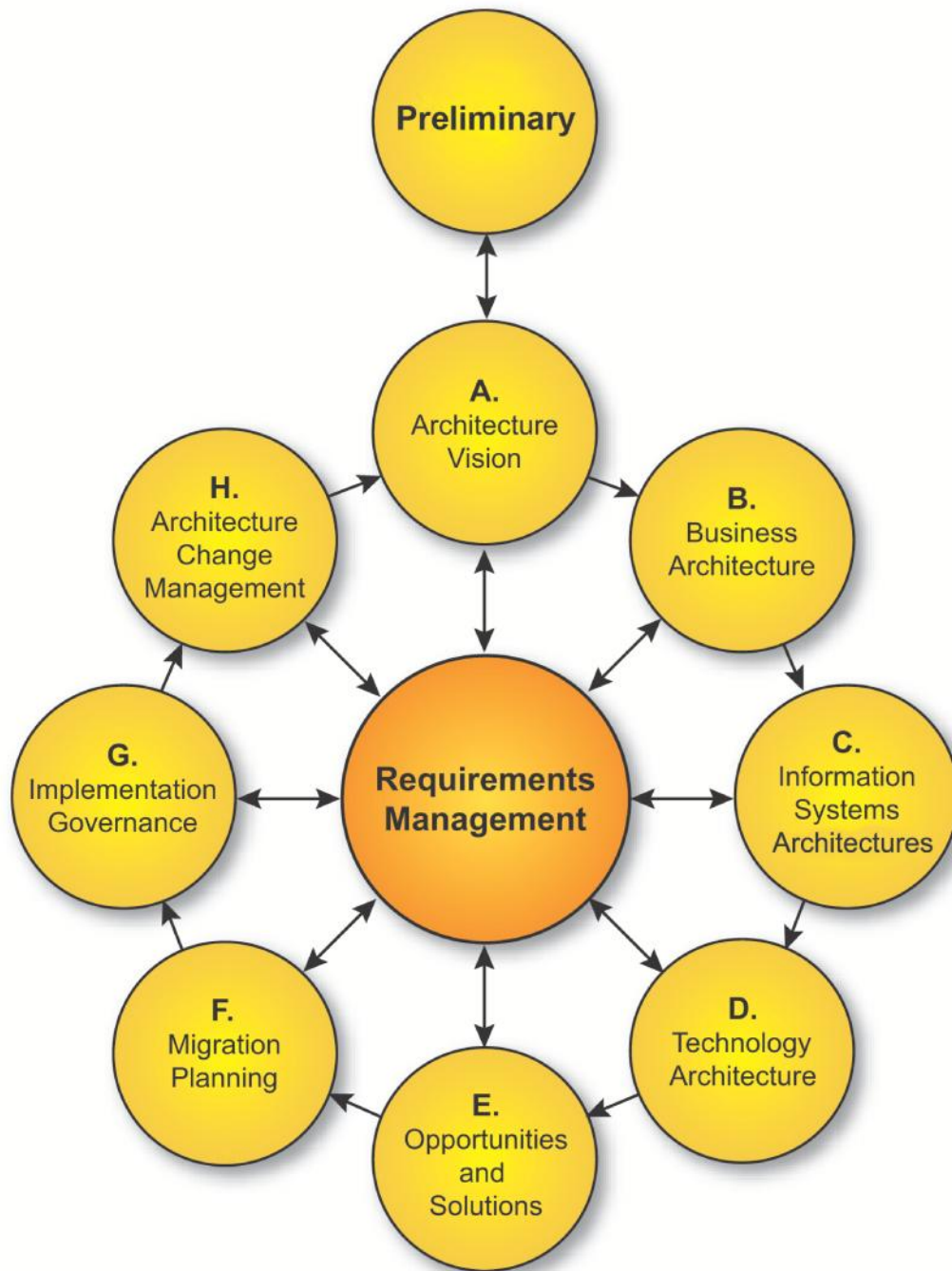


Summary

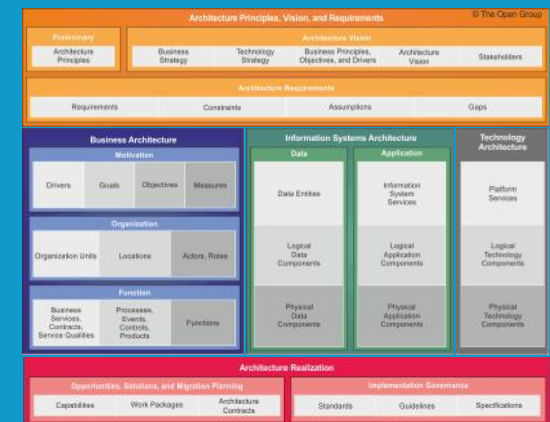
- The Architecture Content Framework presents outputs in a consistent and structured way.
 - It has 3 categories of work products: deliverables, artifacts and building blocks.
- The content metamodel consists of a core and some extensions.
- Catalogs, matrices and diagrams are used to present the architectural information.
- There is a mapping from the Architecture content framework to the TOGAF ADM phases

Exercise

- What other content frameworks do you know of?
- What are the advantages and disadvantages of opting to use an external framework in conjunction with the ADM instead of the TOGAF Architecture Content Framework?



Architecture Content Framework



TOGAF is a registered trademark of The Open Group in the United States and other countries

TOGAF®