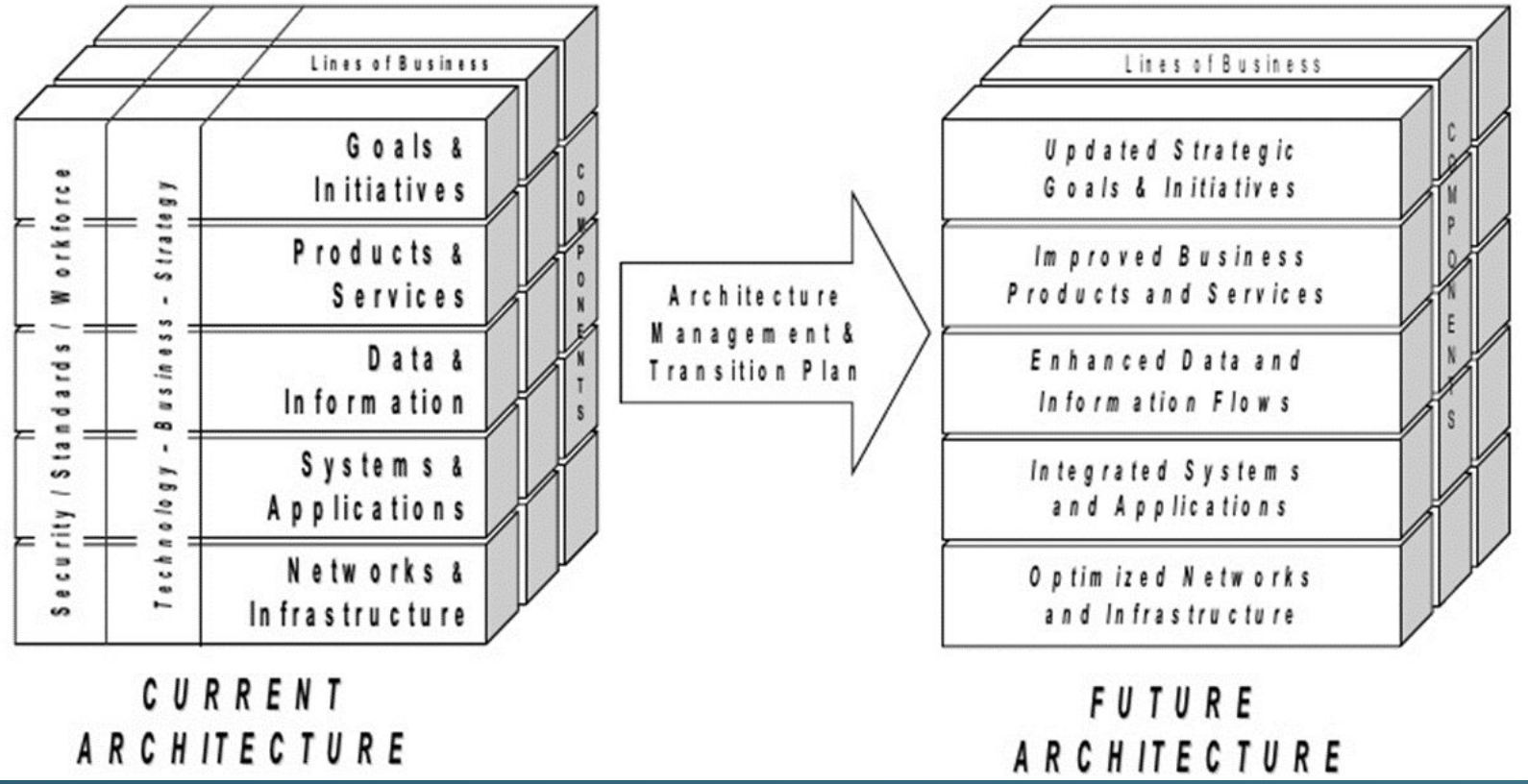
Tata Kelola TI (IT Governance)

Introduction to Enterprise Architecture

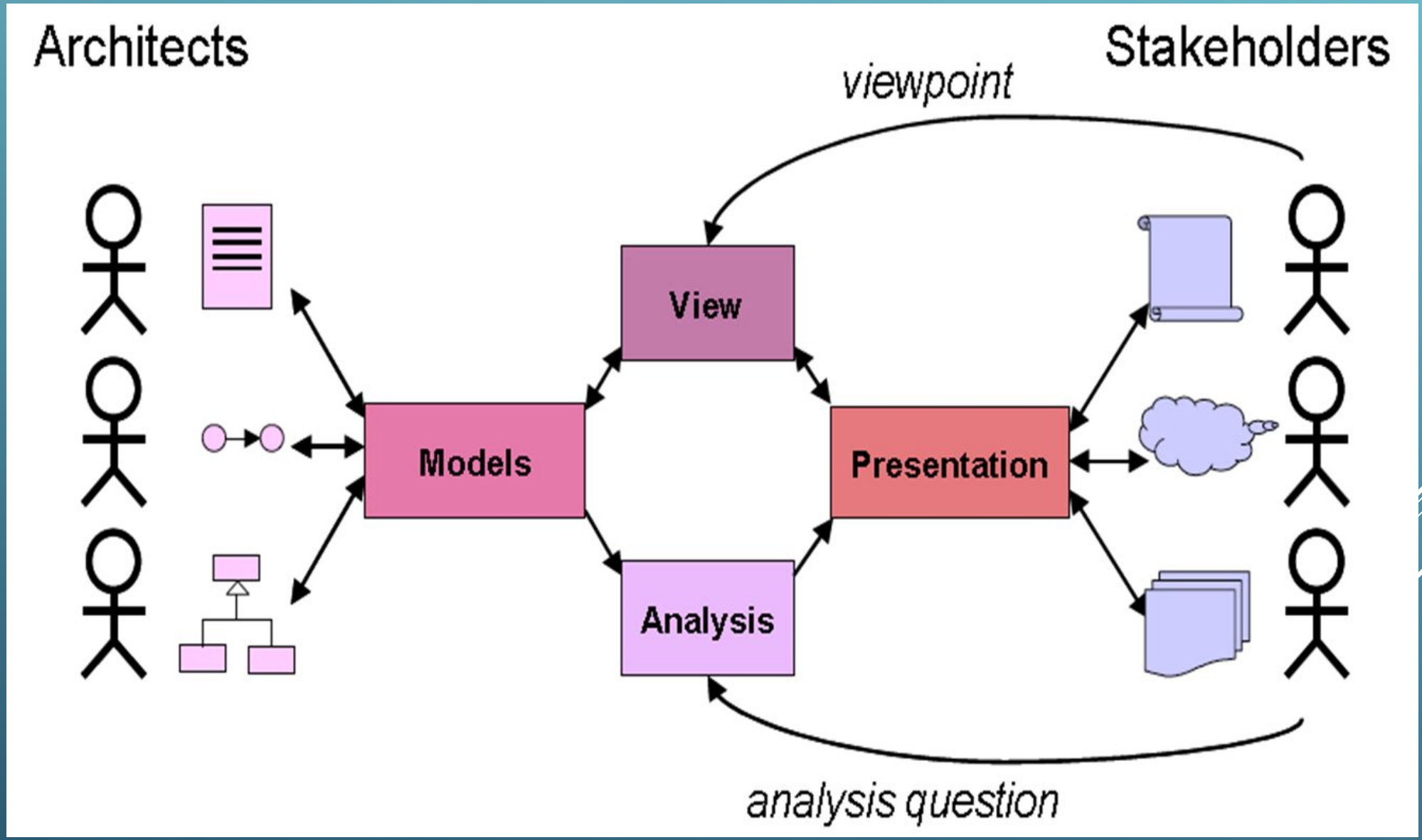
CONCEPT OF ENTERPRISE ARCHITECTURE

Enterprise Architecture: The analysis and documentation of an enterprise in its current and future states from a strategy, business, and technology perspective. ***EA = S + B + T***

An Introduction to Enterprise Architecture © 2005



COMMUNICATING ABOUT ARCHITECTURE



VALUE OF EA

- Provides a **clear view** of how the **business** and **technology resources** will support and achieve an organisation's **business goals** and **initiatives**.
- Understand the **strategy, business**, the **system** and **infrastructure** and how they **interrelate**.
- Know up-stream and **down-stream** information.
- **Prioritise things** to do first.
- **Govern the change** and **building things**.

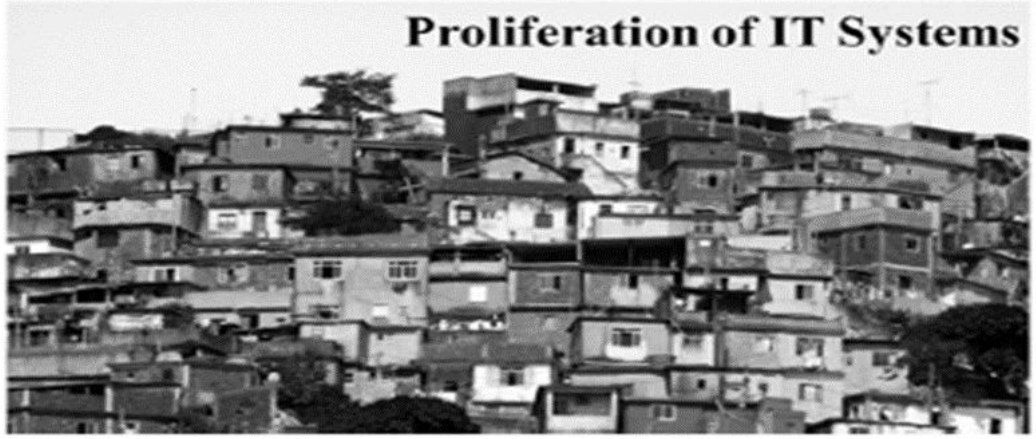
RESULT OF EA

- **Achieve strategic goals** that depends on IT resources.
- **Improve business performance** by **maximizing IT efficiency.**
- **Strategic priorities/business requirements** drive IT solutions.

RESULT OF EA

With Enterprise Architecture,
one can build this …

… and avoid this …



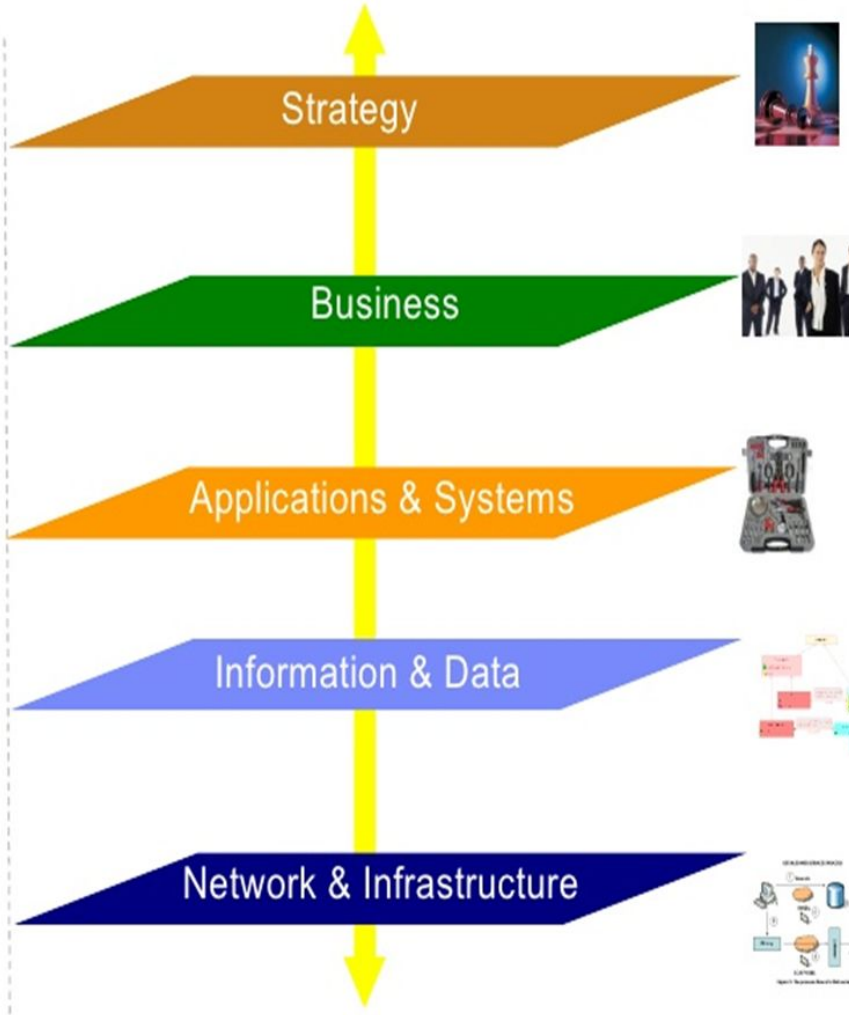
With System Architecture,
one can build this …

TERMINOLOGY ARCHITECTURE

- **Strategic Architecture**, long-term summary view of entire enterprise.
- **Segment Architecture**, provide more detailed operating models for areas within an enterprise.
- **Capability Architecture**, a more detailed fashion how enterprise can support a particular unit of capability.

EA DOMAIN

Enterprise Architecture Domain



Define the Enterprise Strategy, goals and Objectives: What to do, and how to do it?

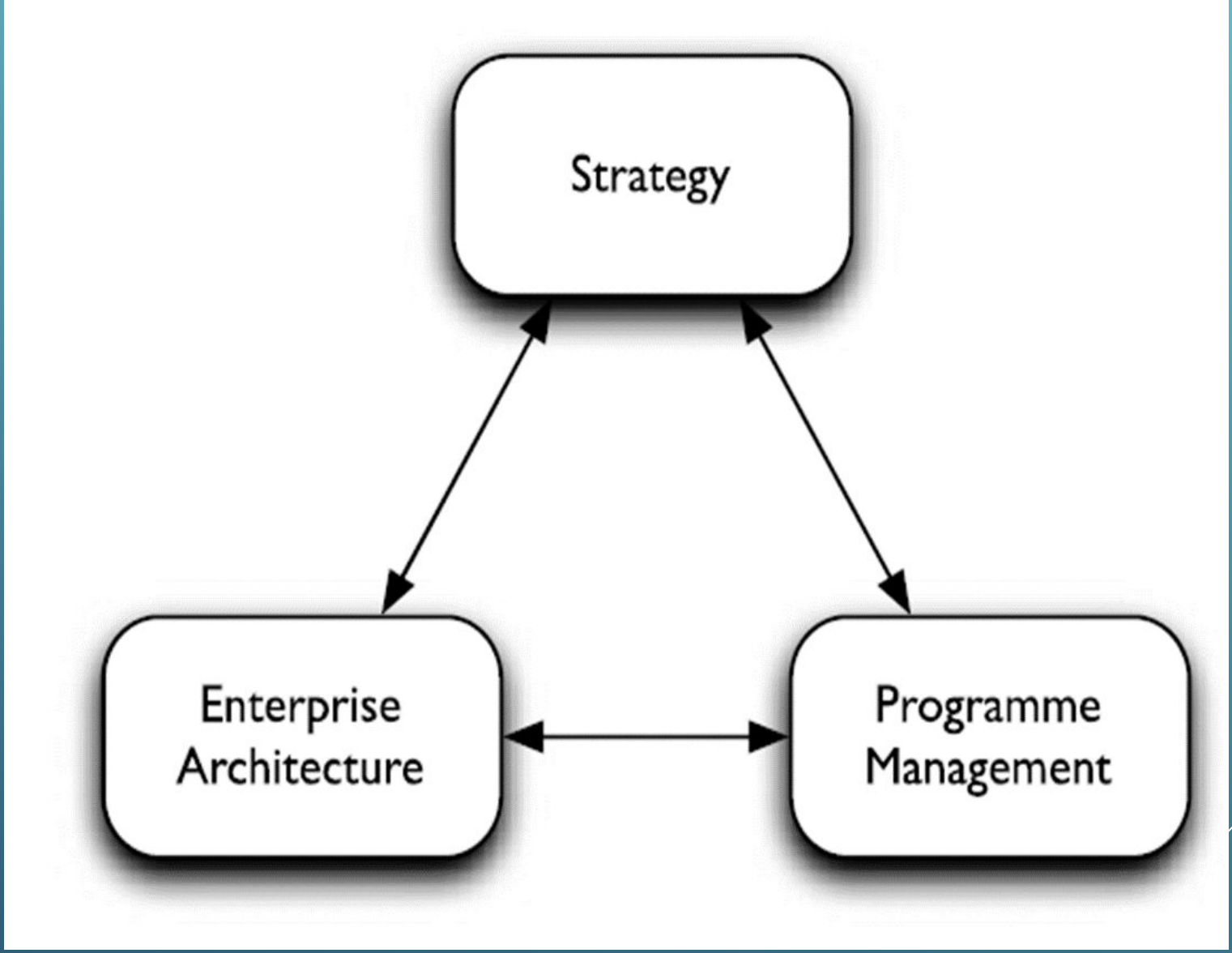
Business Processes: support the strategy, Operational organization

The Applications support the Business, implement the business functions in the IT systems

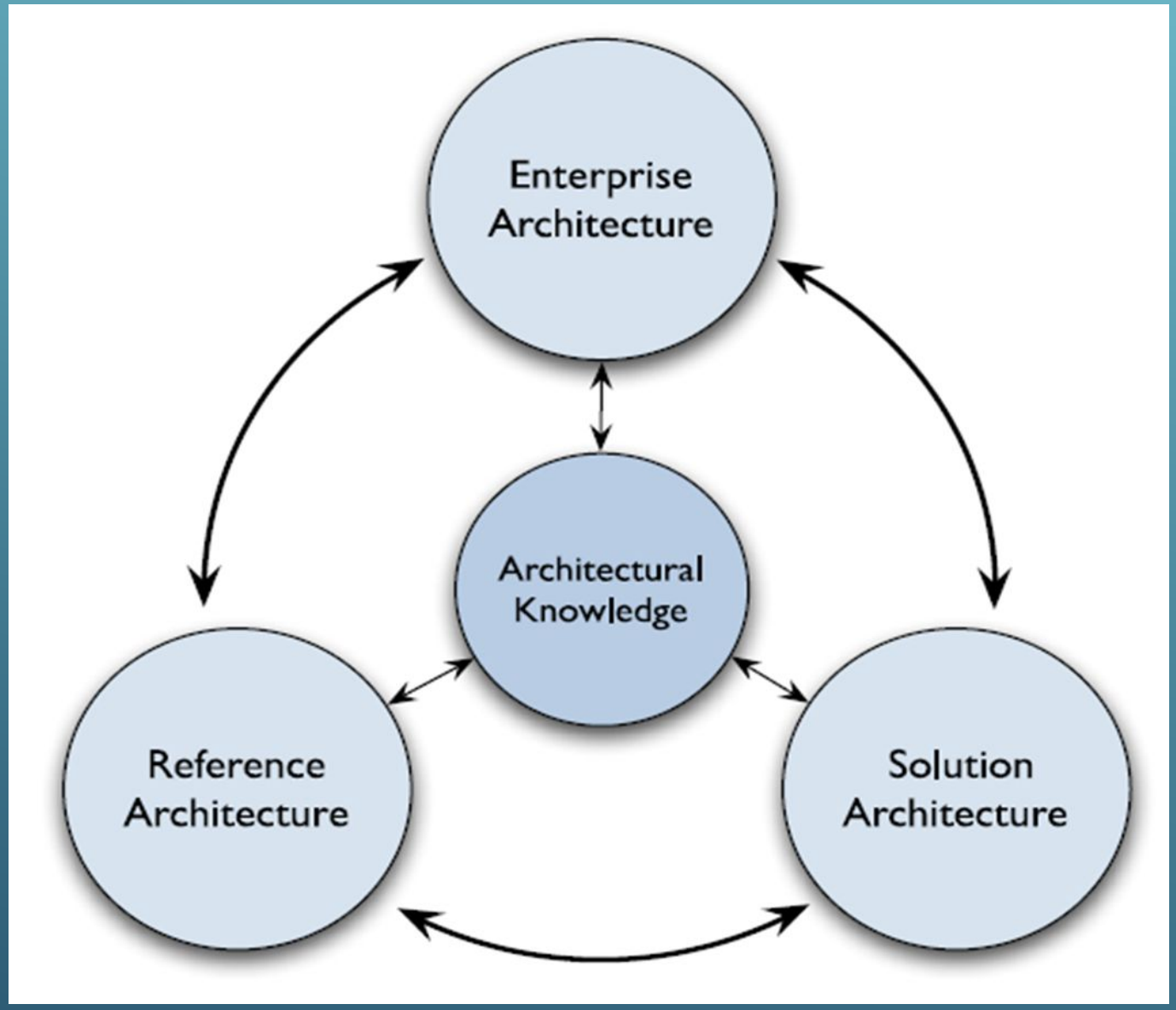
The Information is key for the organization: It is the fuel that drives the architecture

Infrastructure that supports the IS:
-Technical components: servers, networks, etc.
-Technology: platforms, etc.

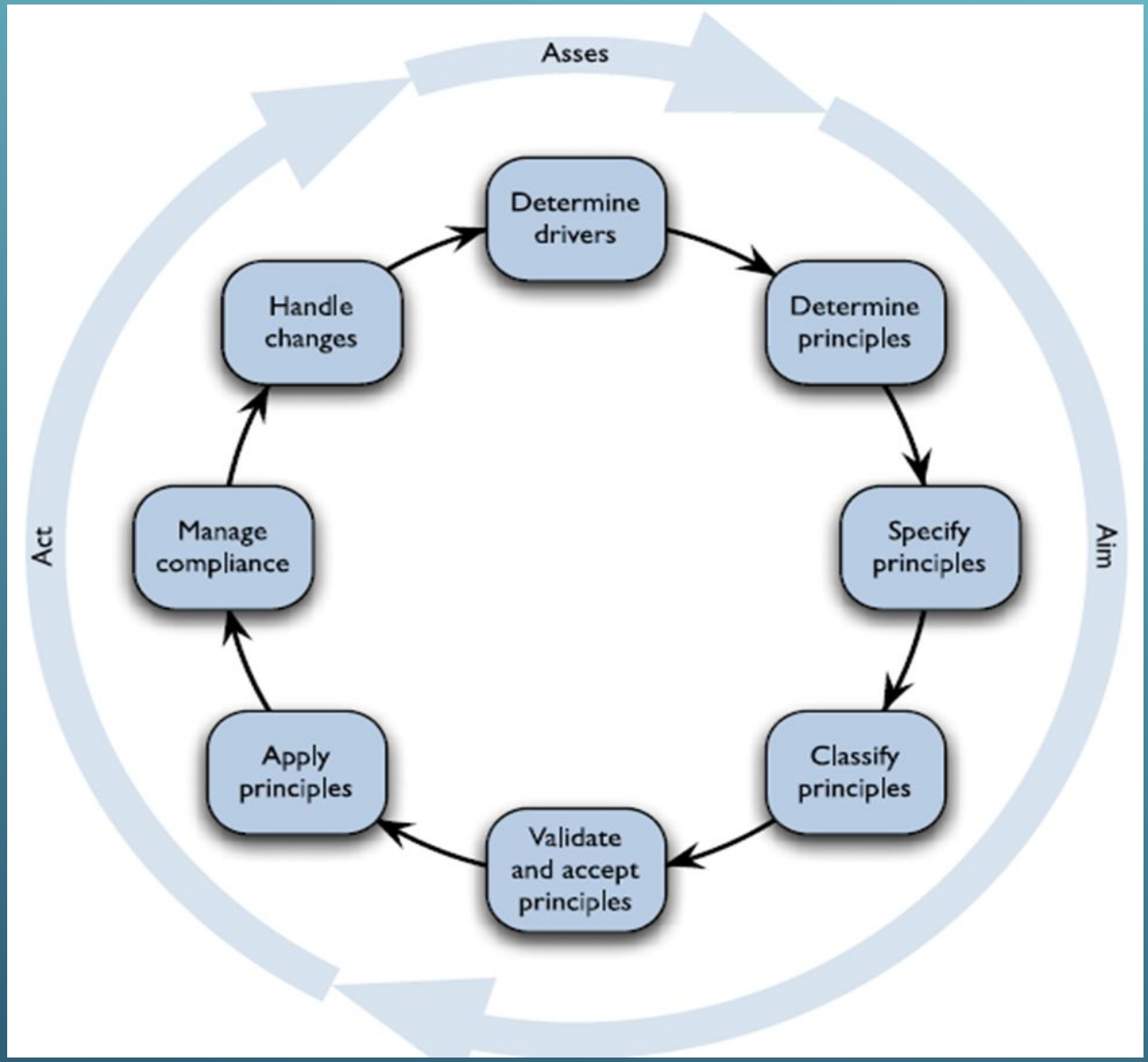
ROLE OF EA



FORM OF ARCHITECTURE



GENERIC PROCESS FOR HANDLING ARCHITECTURE PRINCIPLES



THANK YOU