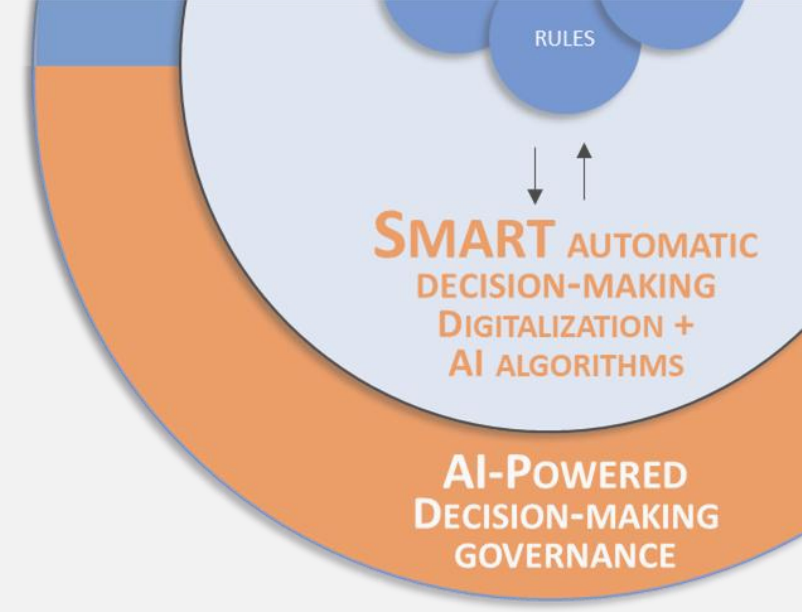


ENTERPRISE ARCHITECTURE KNOWLEDGE ACCUMULATION BY MERGING EA+DX

DX: Digital transformation including AI

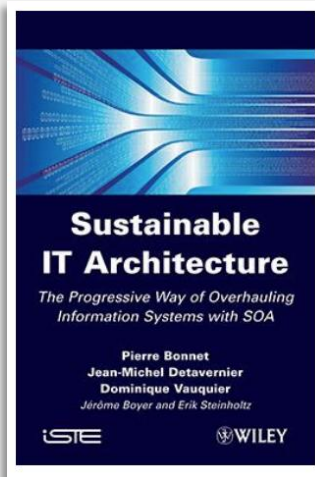
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pierre.bonnet@hlfl-consulting.com – November 04, 2023



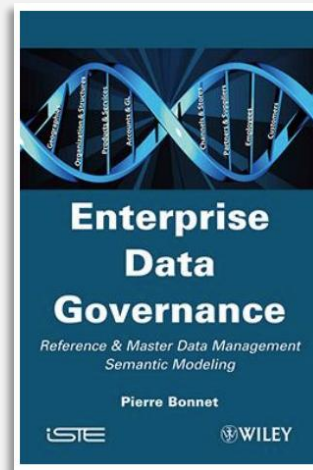
PIERRE BONNET

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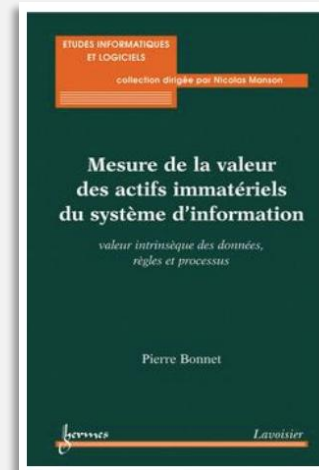
EA + SOA

HOW TO LEVEL-UP TOGAF
AND ZACHMAN



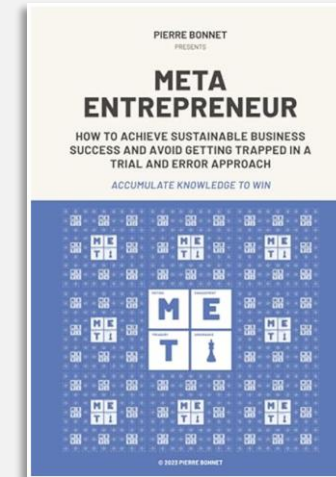
DATA

MODELING AND
GOVERNANCE AT THE
ENTERPRISE LEVEL



IS RATING

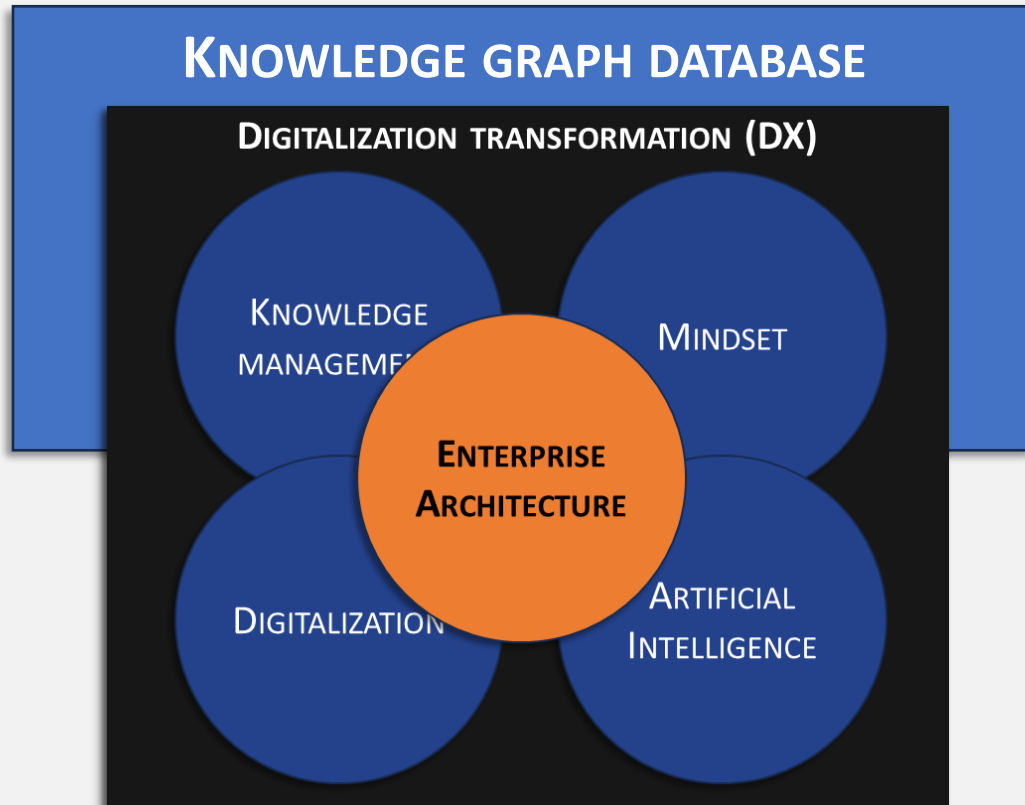
MEASURING THE INTANGIBLE
ASSETS OF THE IS: PROCESSES,
RULES AND DATA




MINDSET

ENCOURAGING A POSITIVE MINDSET TO FACE
THE COMPLEXITY OF THE WORLD BASED ON
KNOWLEDGE ACCUMULATION

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ENGAGE-META COMMUNITY

Accumulating knowledge for sustainable win

Contact me

MOTION
M

ENGAGEMENT
E

TREASURY
T

ASSURANCE
A

ENGAGE-META combines knowledge management and mindset practices (entrepreneurship, intra-) with data management and AI in a digital world (DX)

By utilizing a unique FRAMEWORK that formalizes key corporate and individual knowledge in a unified way

This is an approach to level-up Enterprise Architecture (EA) at the digital and AI age

A FRAMEWORK TO ACCUMULATE KNOWLEDGE AROUND FOUR ELEMENTS

MOTION (MOVE)
M

ENGAGEMENT (ACT)
E

TREASURY (FINANCE)
T

ASSURANCE (PROTECT)
A

The ENGAGE-META community offers practices to maximized your chances of success in entrepreneurship, intrapreneurship as an employee and data management with digitalization. They are inspired by my_professional_career of more than 30 years.

I am Pierre Bonnet, founder of ENGAGE-META, software engineer and entrepreneur. In working on best practices for the community, I have created a tool to formalize my experiences and knowledge called the E-META-FRAMEWORK (EMF). This is a common framework to organize and enrich knowledge to accelerate value creation. This framework is applied in my two areas of expertise: entrepreneurship (META-Entrepreneur) and data management with digitization (META-DX-Manager^{2D}). It is adaptable to any other domain of expertise or project.

^{*}E is the abbreviation for *Engage*.

^{**}DX is the abbreviation for *Digital Transformation*.

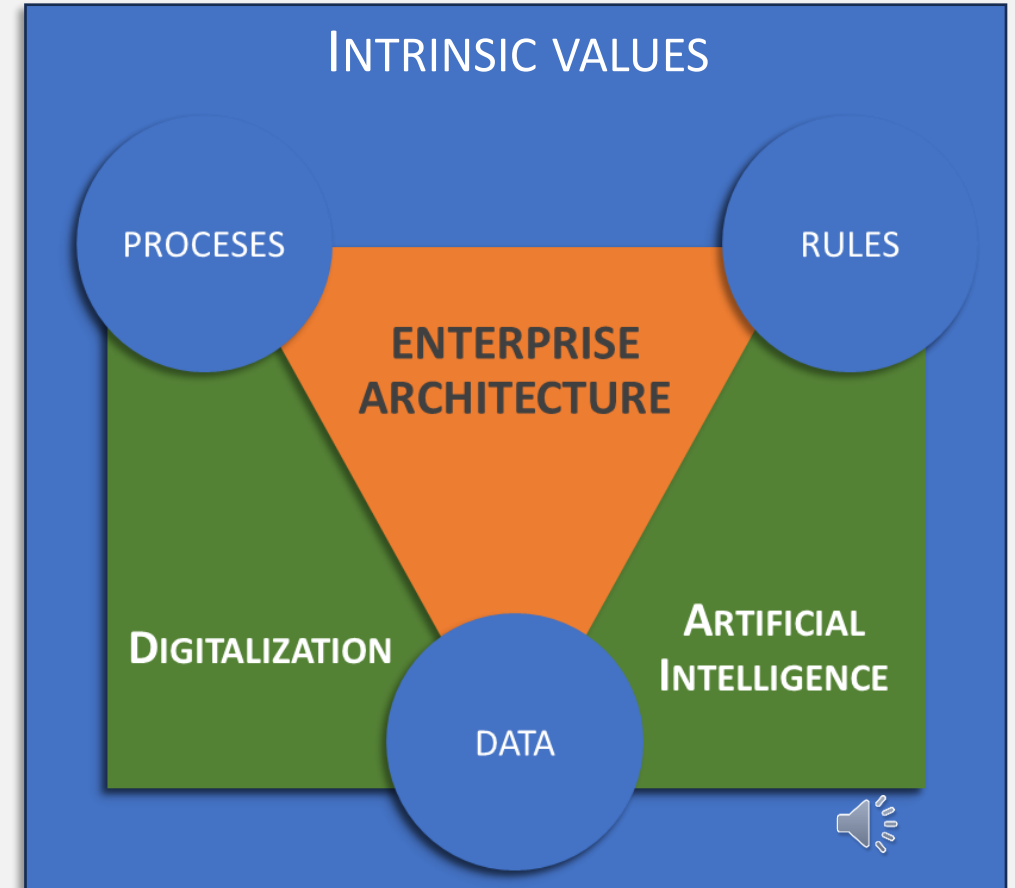
EA WILL HELP YOU TO CLARIFY THE COMPLEXITY OF MODERN ORGANIZATIONS AND COMPANIES

- THIS PRESENTATION IS TAILORED TOWARDS THOSE WITH A BACKGROUND IN IT AND A FAMILIARITY WITH ENTERPRISE ARCHITECTURE
- **FOR NEWCOMERS**, THIS SERVES AS A VALUABLE INTRODUCTION TO ESSENTIAL CONCEPTS, OFFERING INSPIRATION TO DELVE DEEPER INTO THE FIELD



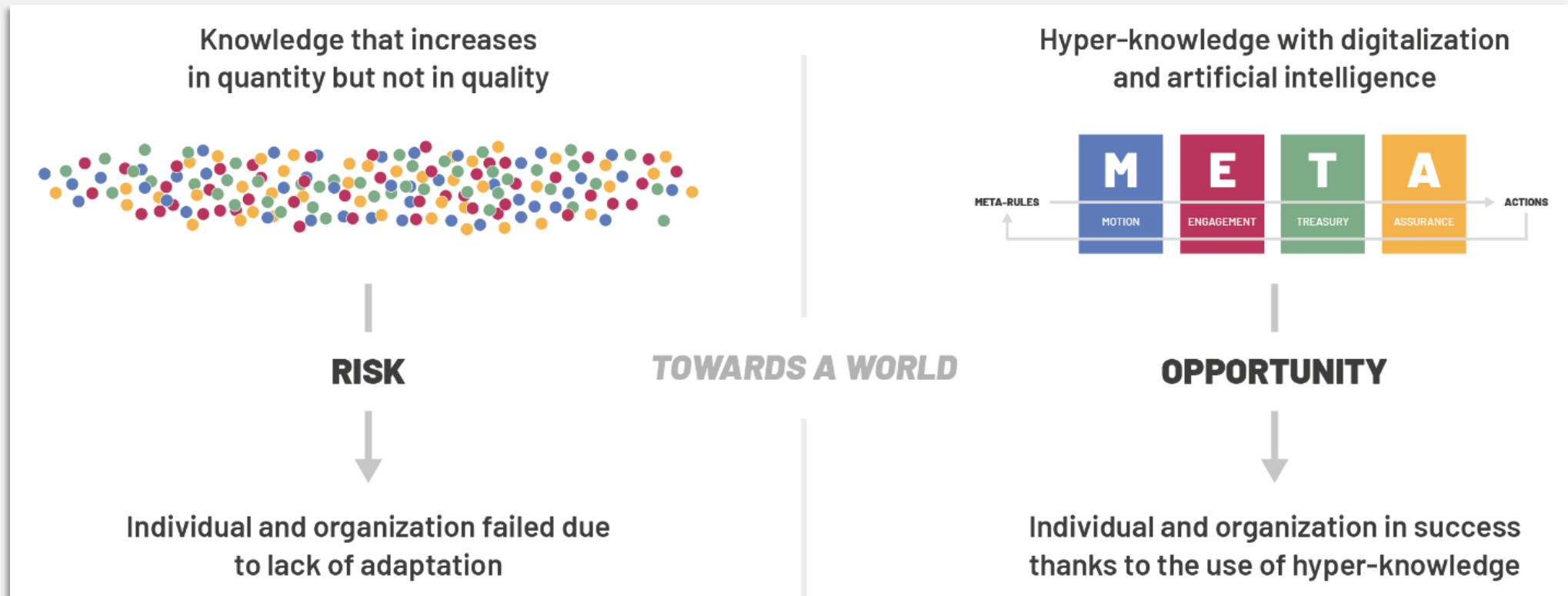
WHY ENTERPRISE ARCHITECTURE IS VITAL?

- IN THE CONTEXT OF DIGITALIZATION AND AI, THE SUCCESS OF BUSINESSES HINGES ON THE STRENGTH OF INTANGIBLE ASSETS ROOTED IN PROCESSES, RULES AND DATA
- ENTERPRISE ARCHITECTURE SERVES AS AN APPROACH TO ENHANCE THE QUALITY OF THESE INTANGIBLE ASSETS OVER TIME
- THE POSITIVE ALIGNMENT BETWEEN THE BUSINESS STRATEGIES AND THE TECHNOLOGIES ALSO DEPEND ON THE GOOD MANAGEMENT OF THE INTRINSIC VALUES OF YOUR ASSETS



EA IS ALSO AN OPPORTUNITY TO REINFORCE THE KNOWLEDGE MANAGEMENT

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I WILL PRESENT MY VISION IN FOUR PARTS

DEFINITION OF ENTERPRISE ARCHITECTURE (EA)

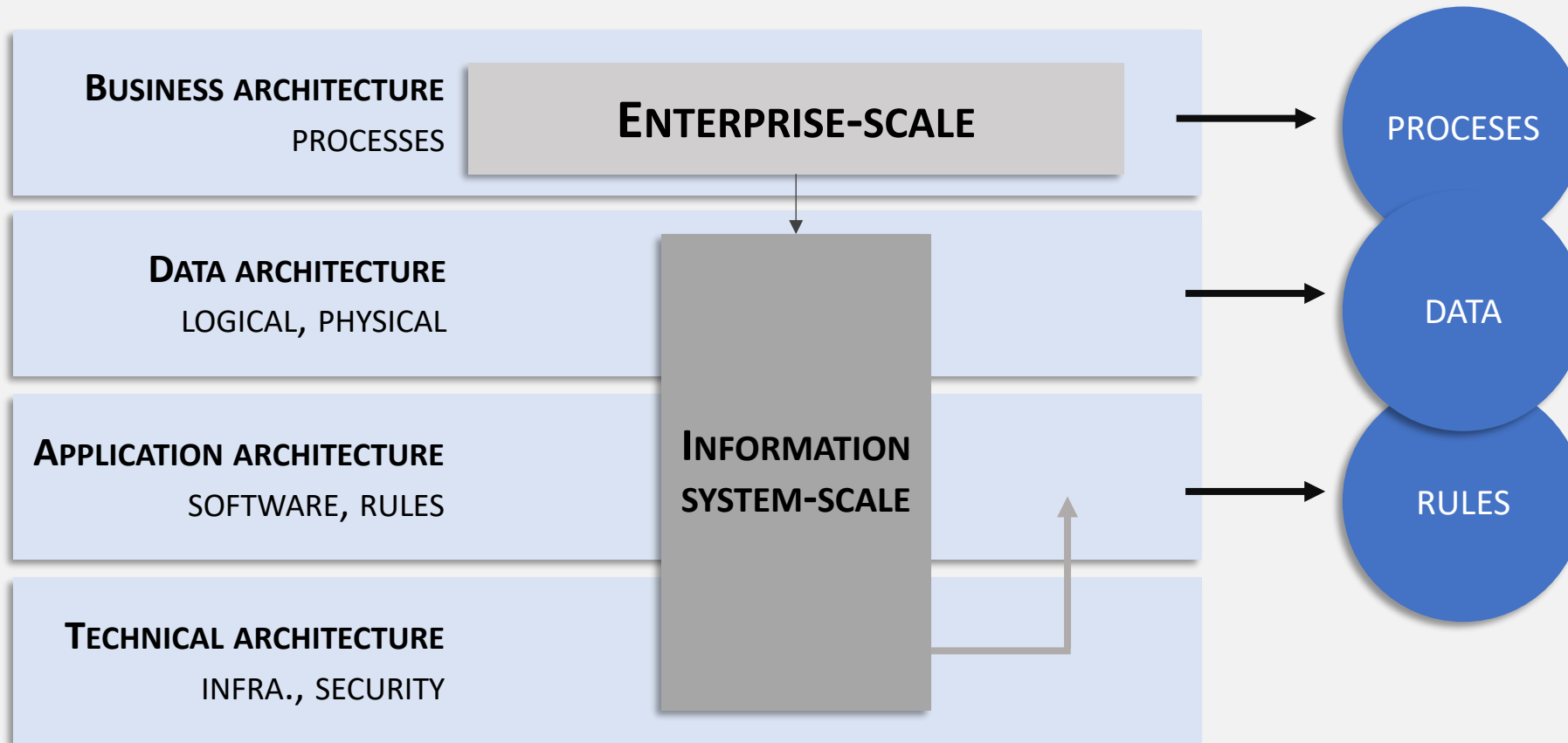
THE CONCERNS WITH THE CONVENTIONAL EA

THE IMPACTS OF DIGITALIZATION AND AI ON THE INFORMATION SYSTEM

SOLUTIONS TO MIX DIGITALIZATION, AI and EA



DEFINITION OF ENTERPRISE ARCHITECTURE (EA)



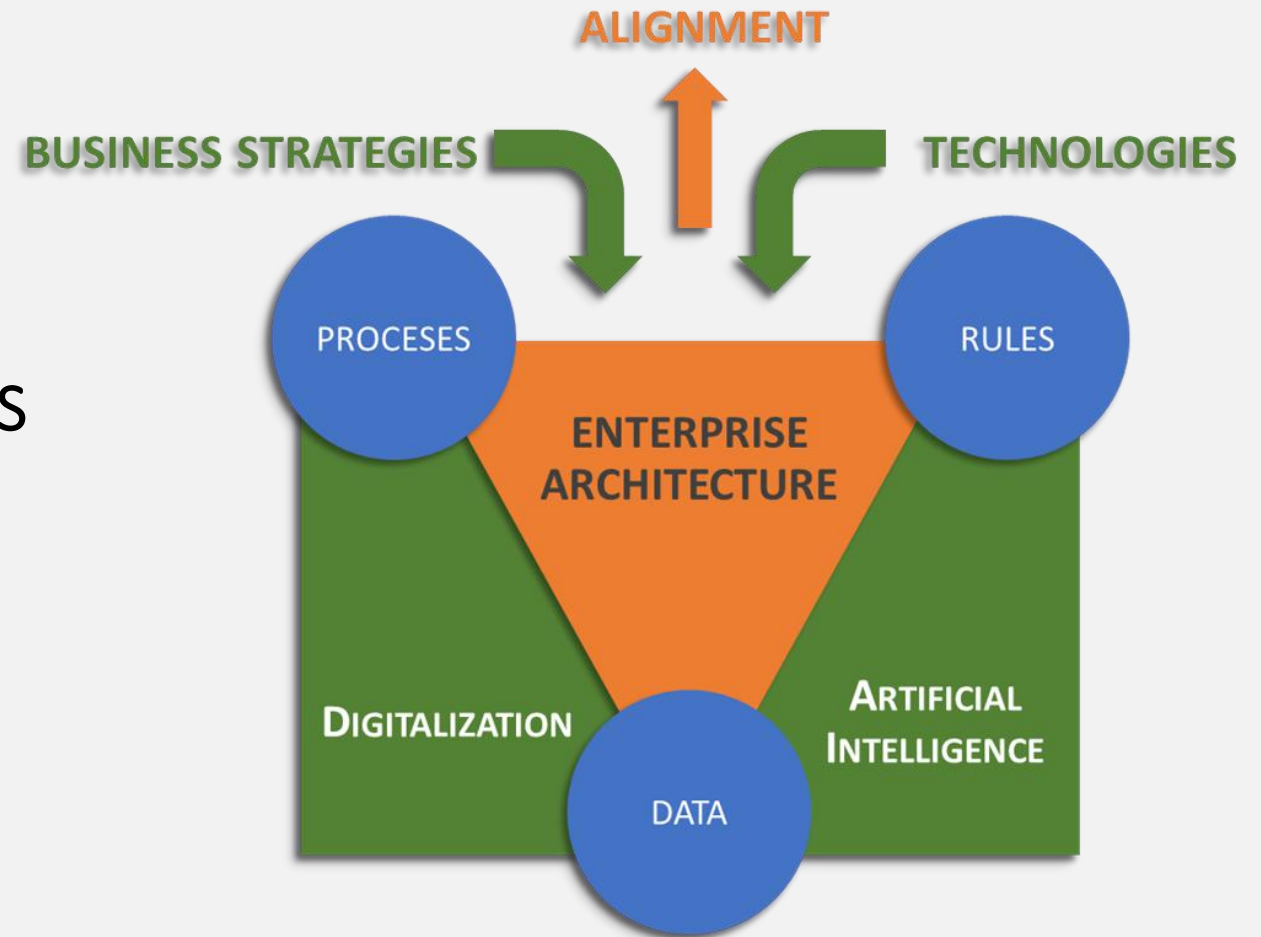
**EA HELPS TO
FORMALIZE IS
INTANGIBLE
ASSETS**

EA AIMS TO IMPROVE **KEY
QUALITY CRITERIA** IN
BUSINESS OPERATIONS

**TRANSPARENCY
AUDITABILITY
AGILITY
SECURITY
REGULATORY COMPLIANCE
RELIABILITY
EFFICIENCY**

DEFINITION OF ENTERPRISE ARCHITECTURE (EA)

EA FACILITATES THE ALIGNMENT OF
BUSINESS STRATEGIES WITH TECHNOLOGIES
UNDER CONDITION THE INTRINSIC VALUES
OF PROCESSES, RULES AND DATA ARE
CLEARLY IDENTIFIED



THE CONCERNS WITH THE CONVENTIONAL EA

HEAVY TO USE

RIGID SILOED THINKING

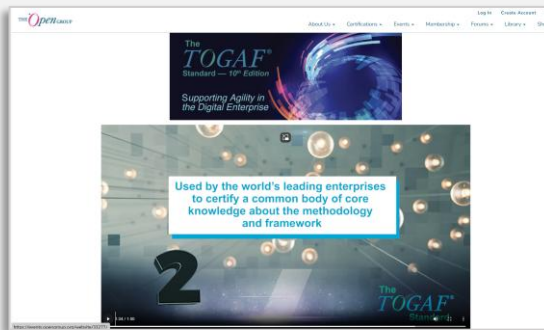
NO KNOWLEDGE ACCUMULATION

THE THREE MAIN CONCERNS WITH THE CONVENTIONAL EA

IN THE SECOND PART OF THIS PRESENTATION, WE
WILL SEE HOW TO FIX THEM

HEAVY TO USE

TOGAF



HEAVY REPOSITORY OF
BEST PRACTICES

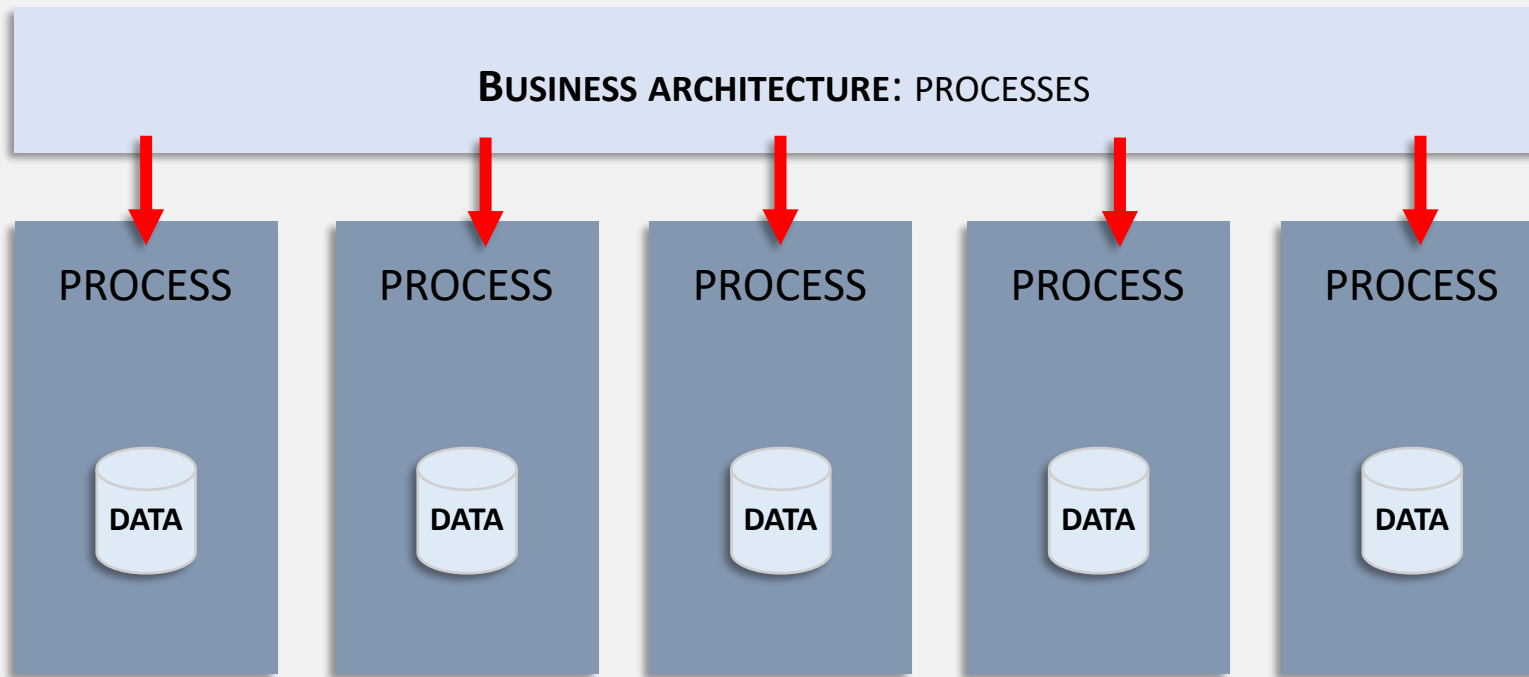
ZACHMAN



CLASSIFICATION SCHEMES
WITHOUT METHODOLOGY

WARNING
TOO LARGE TO BE
CONCRETE, NOT
SPECIFIC ENOUGH TO BE
A METHODOLOGY

RIGID SILOED THINKING

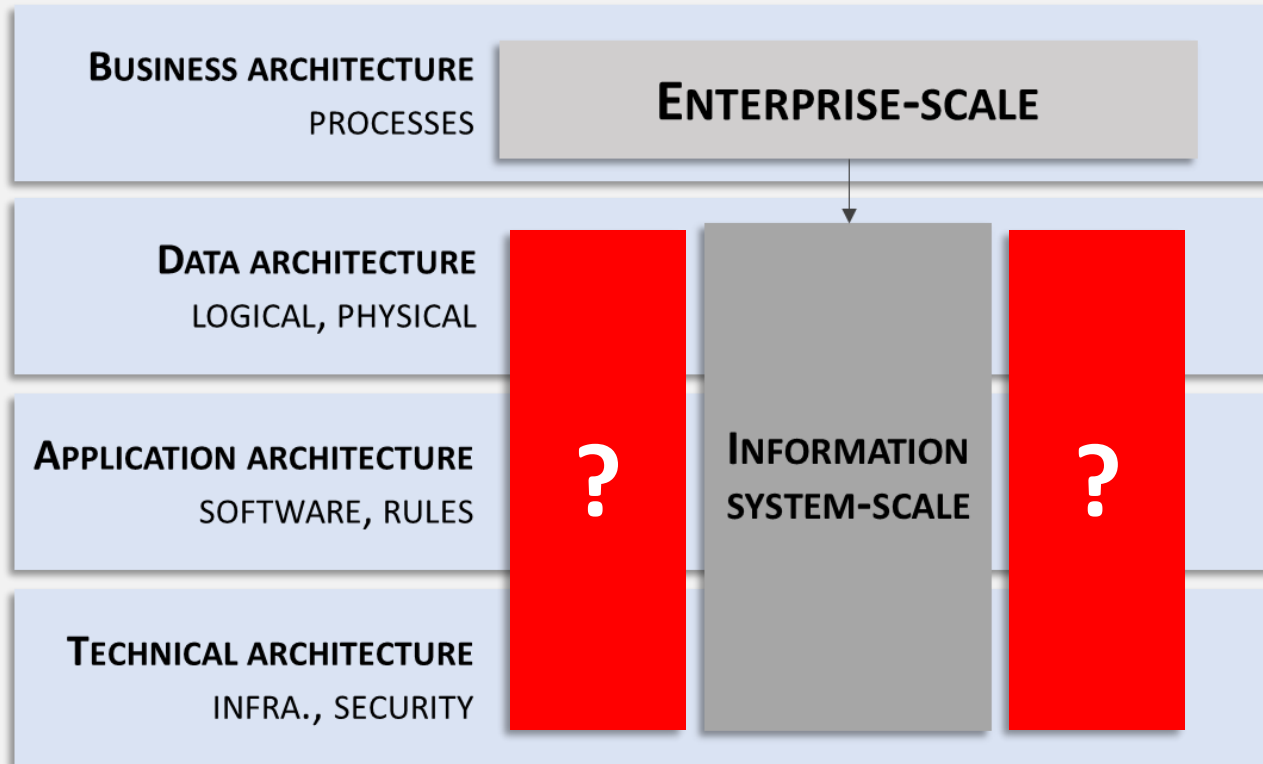


EA ENCOURAGES A SILOED THINKING

BECAUSE IT STARTS WITH
THE PROCESSES ANALYSIS

THIS APPROACH RESULTS IN A RIGID SILOED
FOUNDATION WITH DATA DUPLICATION AND
QUALITY ISSUES, MAKING DIGITALIZATION
AND AI INTEGRATION IN DANGER

NO KNOWLEDGE ACCUMULATION



EA DOES NOT FACILITATE KNOWLEDGE ACCUMULATION

BECAUSE THERE IS A GAP
BETWEEN THE BUSINESS
ARCHITECTURE LAYER (ENTERPRISE-
SCALE) AND THE OTHER LAYERS
(IS-SCALE)

THE IMPACTS OF DIGITALIZATION & AI ON THE IS SYSTEM

DX EXPANDS THE SCOPE OF TECHNOLOGY APPLICATION WITH
MORE STRUCTURED AND UNSTRUCTURED DATA

THE MAIN GOAL OF DX IS TO AUGMENT THE
DIGITAL + AI SMART ALGORITHMS
TO AUTOMATE DECISION-MAKING PROCESSES
WITH A HIGH-LEVEL OF ACCURACY AND AGILITY

PRODUCTIVITY
GAIN
[DX ROI]

DX: Digital transformation including AI

THE IMPACTS OF DIGITALIZATION & AI ON THE IS SYSTEM

HEAVY TO USE

DX: IN A COMPLICATED WORLD, NEED TO BE MORE AGILE TO ADAPT QUICKLY AND FREQUENTLY THE BUSINESS PROCESSES

RIGID SILOED THINKING

DX: DEPLOYING DIGITAL & AI WITHIN RIGID AND SILOED SYSTEMS CAN LEAD TO WRONG AUTOMATIC DECISIONS DUE TO ERROR IN DATA AND RULE DEPLOYMENTS

NO KNOWLEDGE ACCUMULATION

DX: FORMALIZING KNOWLEDGE IS CRUCIAL, ESPECIALLY WHEN DEPLOYING TECHNOLOGIES LIKE LARGE LANGUAGE MODELS (LLMs) SUCH AS CHATGPT

SOLUTIONS TO MIX DIGITALIZATION, AI and EA

ENTERPRISE DATA & KNOWLEDGE GOVERNANCE

PREPARATORY COLLECTIVE PLANNING

AI-POWERED AUTOMATIC GOVERNANCE

ENTERPRISE DATA & KNOWLEDGE GOVERNANCE

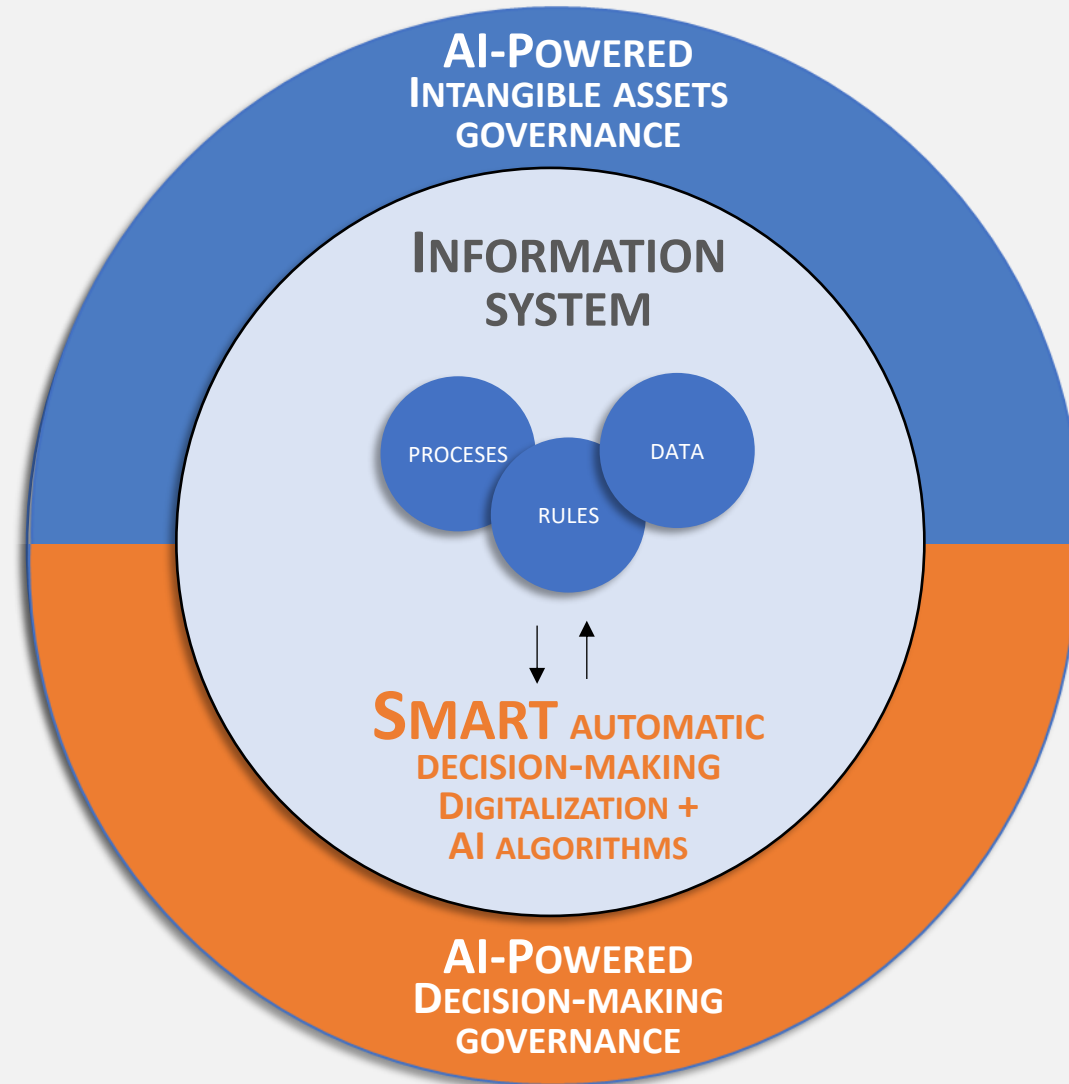
- SHIFT THE BUSINESS ARCHITECTURE LAYER FROM SOLELY FOCUSING ON BUSINESS PROCESSES TO A UNIFIED APPROACH ENCOMPASSING BOTH **CONCEPTUAL DATA (SEMANTIC MODELING)** AND PROCESSES
- **UNIFIED GLOSSARY** OF KEY DATA ELEMENTS WITH META-DESCRIPTIONS, RELATIONSHIPS DOCUMENTATION AND RULES
- PLATFORM FOR **ACCUMULATING** THE PERSONAL AND COLLECTIVE **KNOWLEDGE**
- RELIES ON A KNOWLEDGE GRAPH DATABASE ENGINE

PREPARATORY COLLECTIVE PLANNING

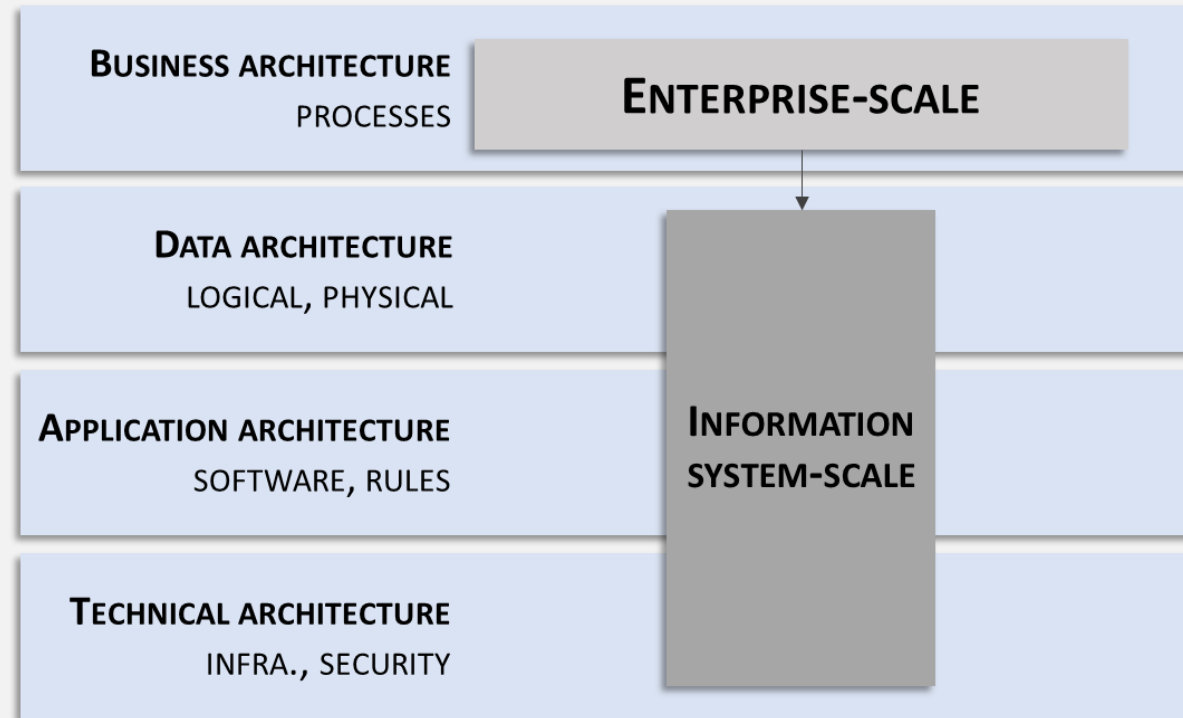
- PRIOR TO INITIATING DX+EA, **COLLECTIVE PLANNING** IS CRUCIAL
- THIS PLANNING CLARIFIES EXPECTATIONS FOR THE EA JOURNEY AND **ITS ALIGNMENT** WITH DIGITAL TRANSFORMATION INITIATIVES AND AI UTILIZATION
- IT HELPS TO START A CULTURE FOR KNOWLEDGE ACCUMULATION

AI-POWERED AUTOMATIC GOVERNANCE

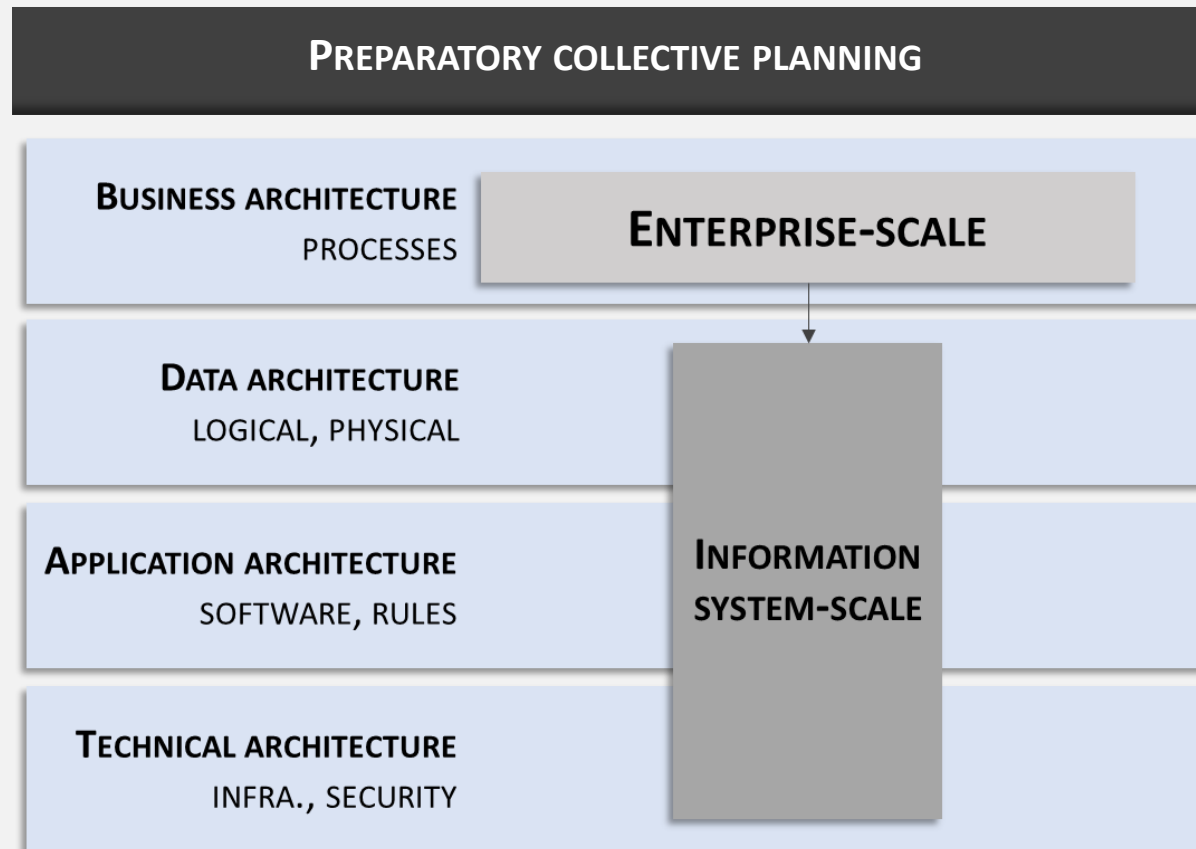
- AS DIGITALIZATION AND AI USAGE INCREASE, INFORMATION SYSTEM NATURALLY **GROWS IN COMPLEXITY AND INTELLIGENCE**, GAINING THE CAPACITY FOR AUTOMATED DECISION-MAKING
- **TO MAINTAIN CONTROL OVER THIS NEW INTELLIGENCE**, IMPLEMENTING AN EXTERNAL, INDEPENDENT OVERSIGHT MECHANISM IS ESSENTIAL



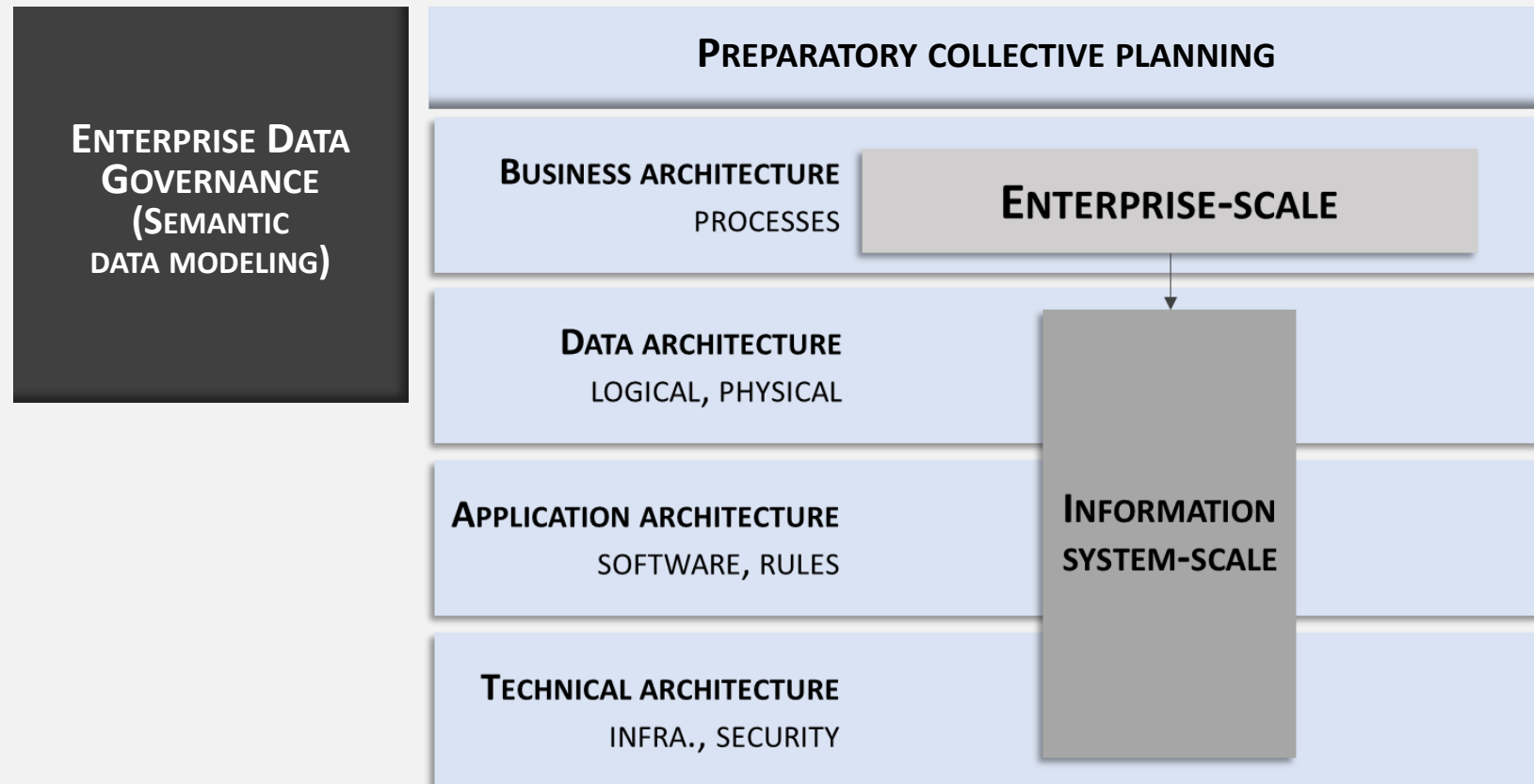
BLUE-PRINT (EA+DX)



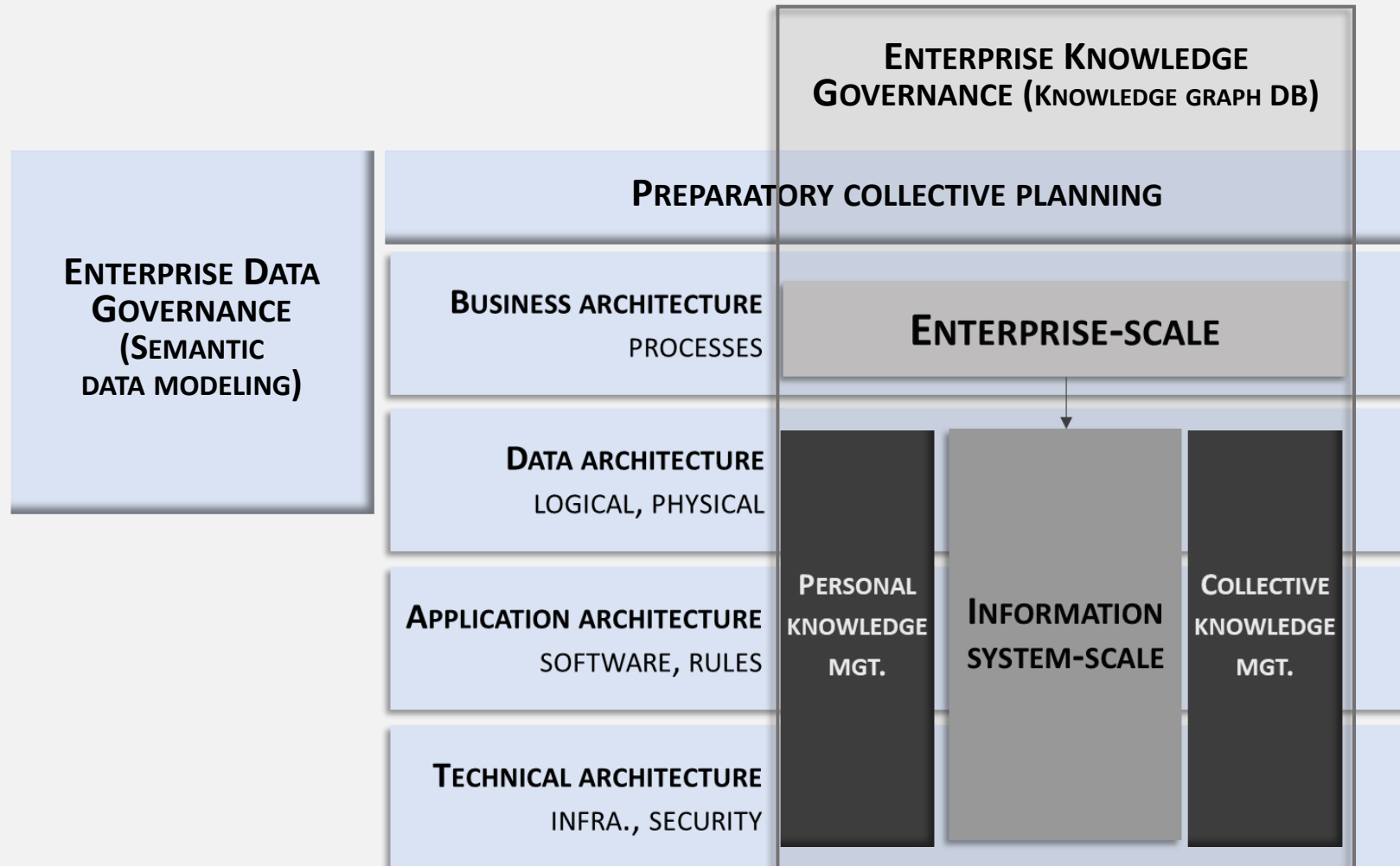
BLUE-PRINT (EA+DX)



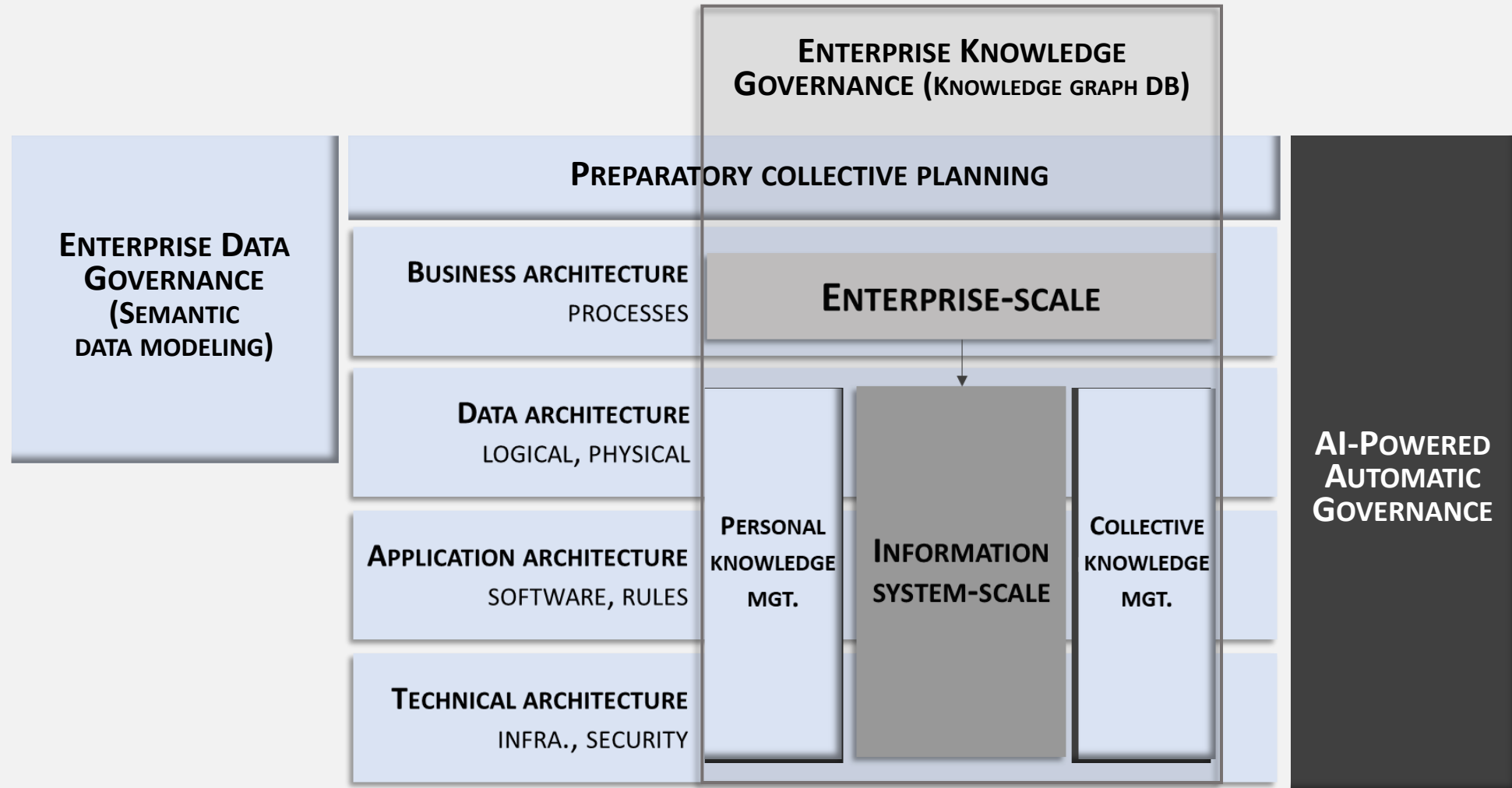
BLUE-PRINT (EA+DX)



BLUE-PRINT (EA+DX)



BLUE-PRINT (EA+DX)

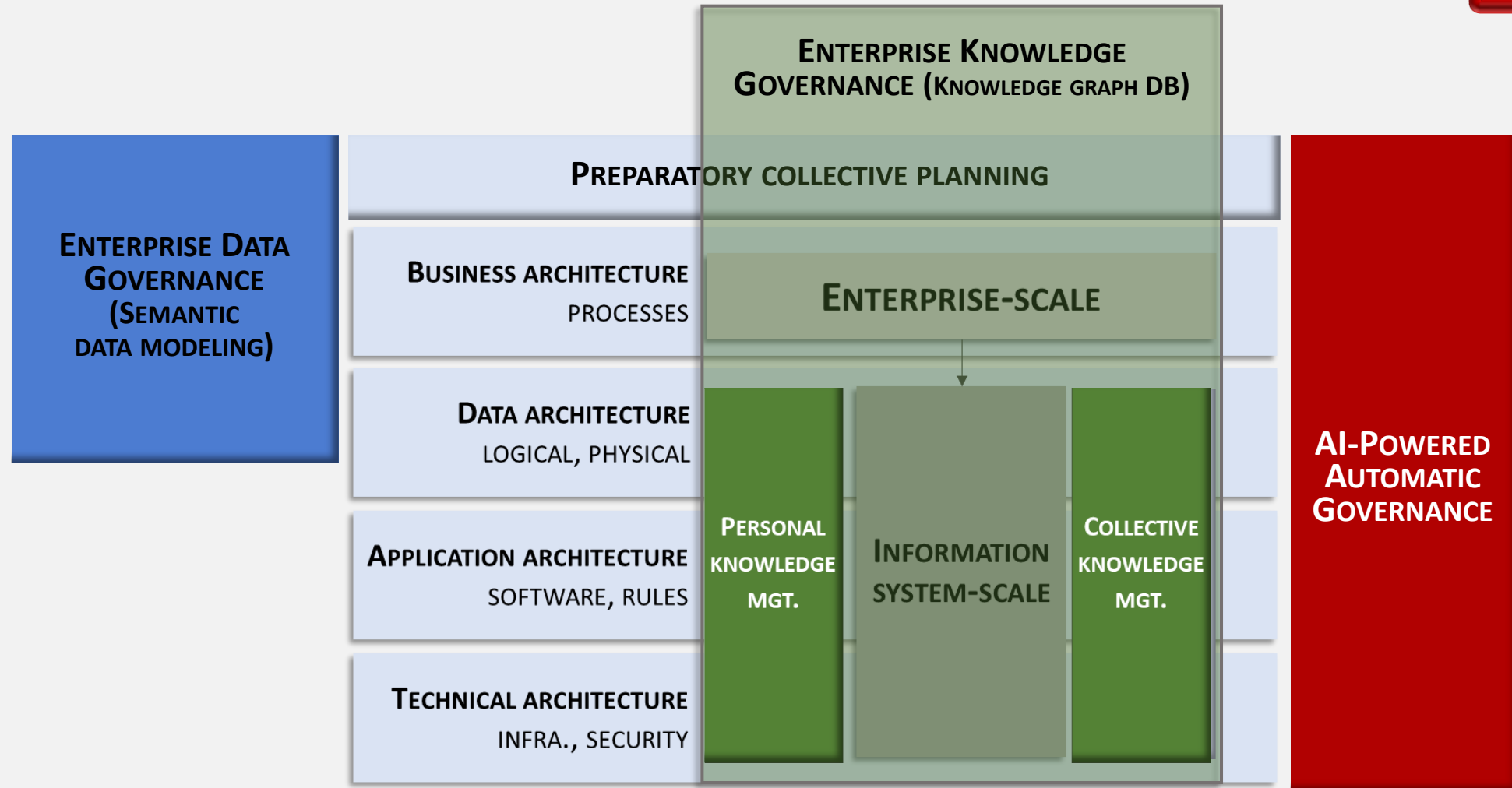


BLUE-PRINT (EA+DX)

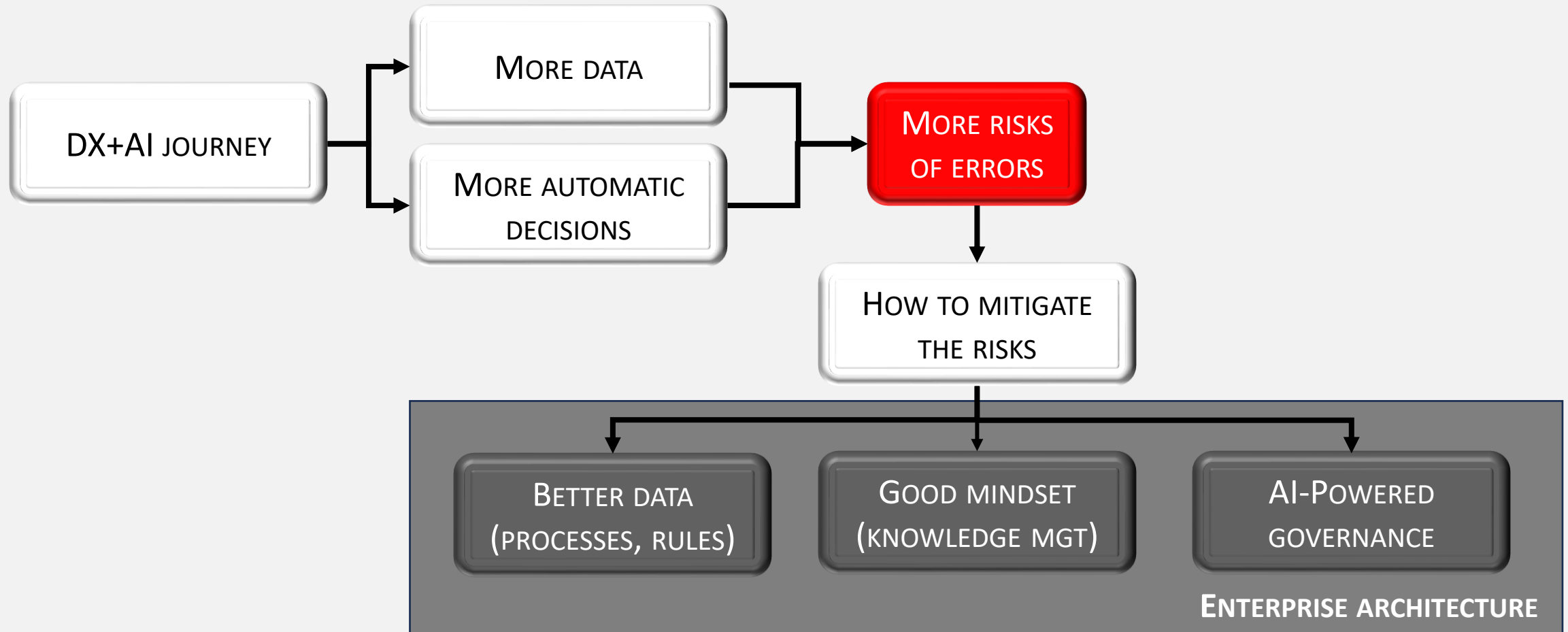
ASSETS

MINDSET

CONTROL



KEY TAKEAWAYS



MORE VIDEOS

THANK YOU!

VISIT YOUR YOUTUBE CHANNEL

THIS VIDEO ABOUT ENTERPRISE ARCHITECTURE

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