

# KNOWLEDGE GRAPH & LLM EXAMPLE

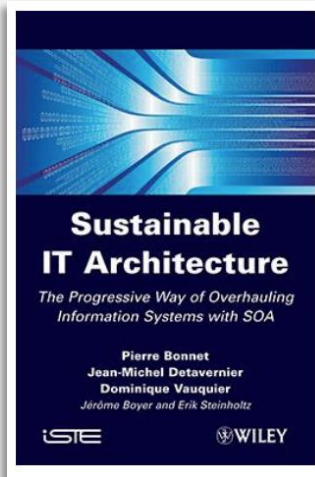
## WITH TERMBOARD SOFTWARE

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[pierre.bonnet@hlfl-consulting.com](mailto:pierre.bonnet@hlfl-consulting.com) – November 14, 2023

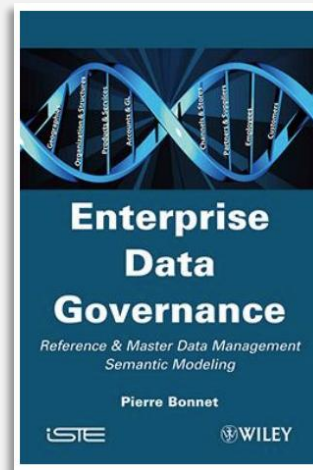
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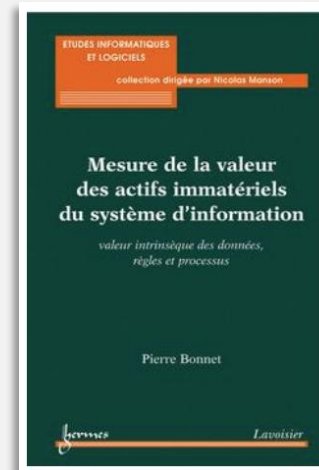
## EA + SOA

HOW TO LEVEL-UP TOGAF  
AND ZACHMAN



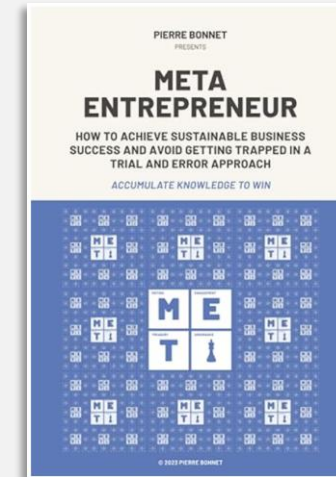
## DATA

MODELING AND  
GOVERNANCE AT THE  
ENTERPRISE LEVEL



## IS RATING

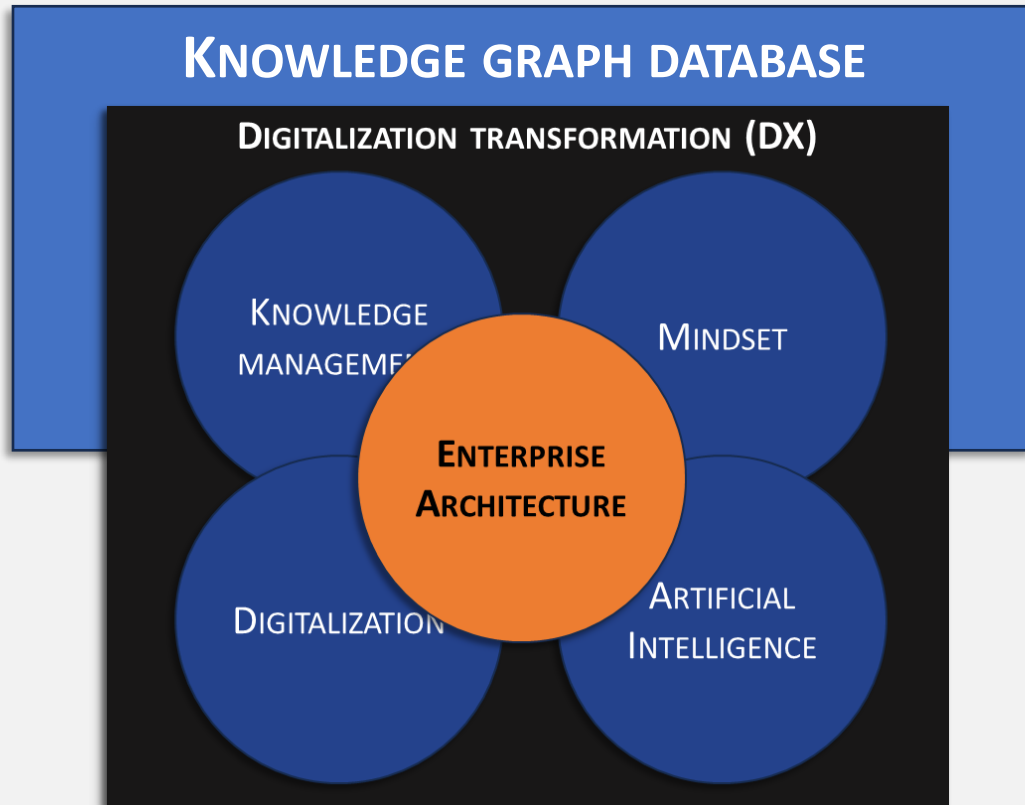
MEASURING THE INTANGIBLE  
ASSETS OF THE IS: PROCESSES,  
RULES AND DATA




## MINDSET

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

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META

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# ENGAGE-META COMMUNITY

Accumulating knowledge  
for sustainable win

Contact me

MOTION  
M

ENGAGEMENT  
E

TREASURY  
T

ASSURANCE  
♟

## 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<sup>2)</sup>. It is adaptable to any other domain of expertise or project.

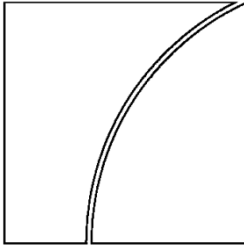
<sup>1)</sup>E is the abbreviation for *Engage*.

<sup>2)</sup>DX is the abbreviation for *Digital Transformation*.



ENGAGE  
META

## Basel Committee on Banking Supervision



## Basel III: A global regulatory framework for more resilient banks and banking systems

December 2010 (rev June 2011)



BANK FOR INTERNATIONAL SETTLEMENTS

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Extract an ontology from this PDF file with a maximum of 30 terms. Do not draw it but Create a table of relations with 3 columns in this order: source, target, relation name. And also Create a table with 2 columns: the first column contains the term name and the second column contains the term definition.. Use this text as a basis:¶

## Table of Relations

Source	Target	Relation Name
Basel III Framework	Banks	Applies To
Capital Base	Banks	Supports
Risk Coverage	Capital Requirement	Enhances
Leverage Ratio	Capital Framework	Supplements
Procyclicality	Capital Framework	Reduces
Systemic Risk	Banking Systems	Addresses
Liquidity Standard	Banks	Introduces
Counterparty Credit Risk	Capital Framework	Part of
Capital Conservation Buffer	Banks	Implemented By
Countercyclical Buffer	Banks	Applied By
Capital Measure	Leverage Ratio	Part of
Exposure Measure	Leverage Ratio	Part of
Common Equity Tier 1	Capital Structure	Component of
Additional Tier 1 Capital	Capital Structure	Component of
Tier 2 Capital	Capital Structure	Component of

## Table of Term Definitions¶

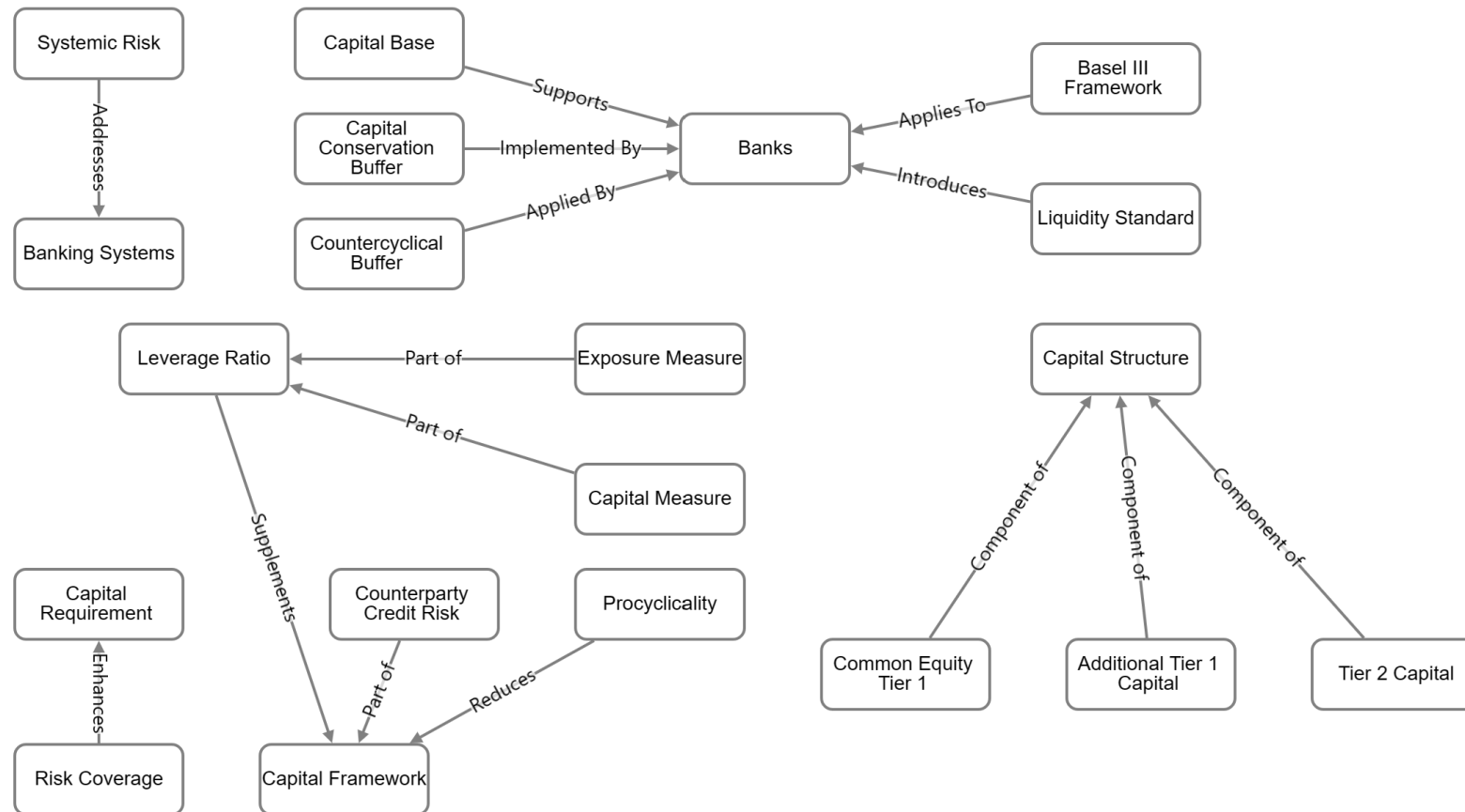
Term Name¶	Term Definition¶
Basel III Framework¶	A global regulatory framework aimed at making banks and banking systems more resilient.¶
Capital Base¶	The foundational financial resources that banks must hold to cover risks.¶
Risk Coverage¶	The extent to which a bank's capital base covers its various risks.¶
Leverage Ratio¶	A regulatory requirement setting a minimum level of capital relative to total assets.¶
Procyclicality¶	The tendency of financial systems to amplify economic fluctuations.¶
Systemic Risk¶	The risk of collapse of an entire financial system or entire market.¶
Liquidity Standard¶	Regulations to ensure banks have enough liquid assets to handle short-term obligations.¶
Counterparty Credit Risk¶	The risk that the counterparty to a transaction might default.¶
Capital Conservation Buffer¶	A buffer of capital banks are required to hold above their minimum capital requirements.¶
Countercyclical Buffer¶	Additional capital buffers that banks must hold during periods of high credit growth.¶
Capital Measure¶	The metric used in calculating a bank's capital requirement under the leverage ratio.¶
Exposure Measure¶	A measure of the total exposure of a bank in terms of its assets and off-balance items.¶
Common Equity Tier 1¶	The highest quality of capital that banks hold, including common shares and earnings.¶
Additional Tier 1 Capital¶	A tier of capital in the Basel III framework, subordinate to Common Equity Tier 1.¶
Tier 2 Capital¶	A secondary tier of bank capital, subordinate to Tier 1 Capital.¶











Term

Name

Banks

Description

DETAILS

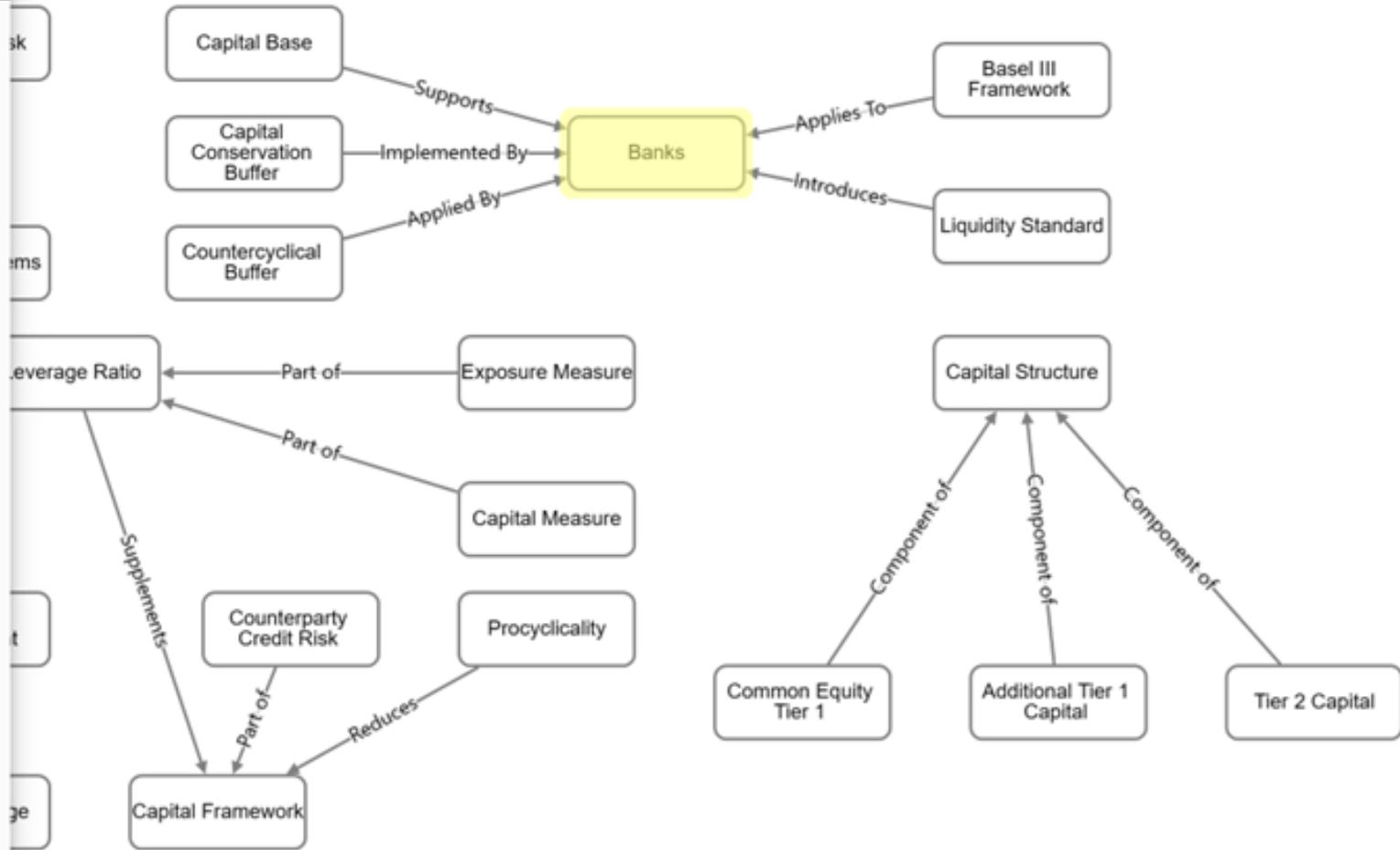
RELATIONS

ID

Banks

ADD FIELD

Additional information





## Term

Name



Basel III Framework

Description



A global regulatory framework aimed at making banks and banking systems more resilient.

### DETAILS

### RELATIONS

ID

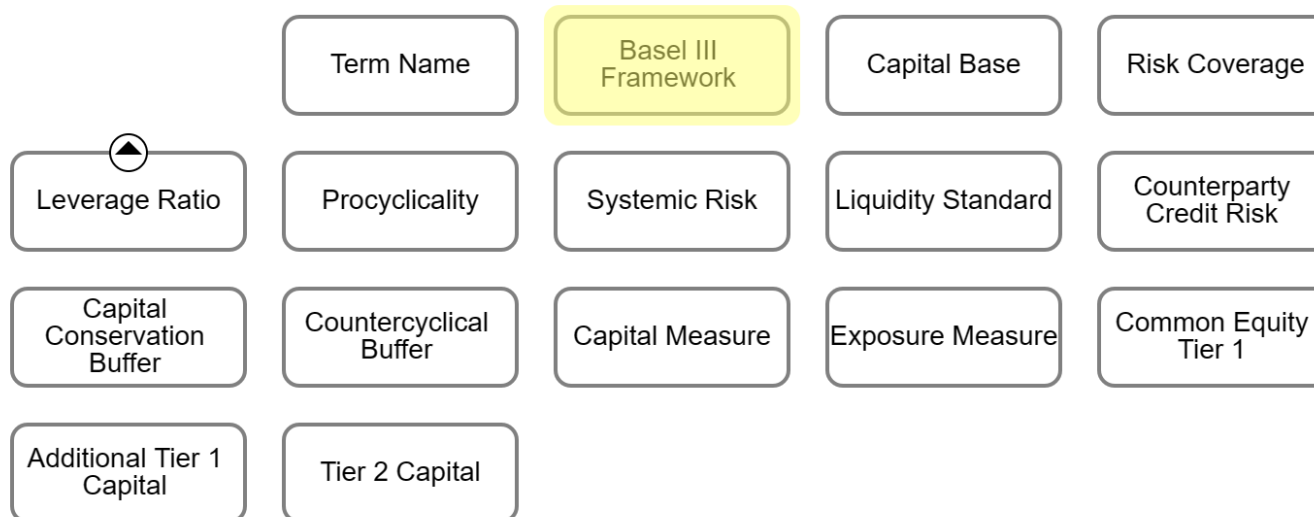


Basel III Framework

ADD FIELD

Additional information

Rich text editor toolbar: Bold (B), Italic (I), Underline (U), Strikethrough (ABC), Bulleted List, Numbered List, Link (A), and Image (img).



Systemic Risk

Capital Base

Supports

Bas  
Fram

Create a Chatbot prompt

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### Select Google Bard/ChatGPT prompt



☐ Only favorites

☐ Show Descriptions

Create missing Definitions



Create Definitions for selected terms



Improve Definitions for selected terms



Get Terms related to selected terms



Get Relations between selected terms



Find Icons for selected terms



Create a Knowledge Graph



Create a Mind Map



Create a Flow Chart



Create 25 Concepts and Relations



Create 40 Concepts and Relations  
*(read description)*



Create Atomic Notes



Create a Graph from text



Create Terms, Definitions,  
Description from Text



Create Userstories and Accept.  
criteria from Text



Create a Userstories with short  
Names from Text



Create Controls from Text



Write a Blog using the selected  
Concepts



Write a Blog About selected Terms



Generate prompts to create  
IMAGES for selected Concepts



Generate prompts to create ICONS  
for selected Concepts



Separator **TAB** ▾

[BULK ADD](#)



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Banking Systems

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Banks

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Basel III Framework

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Systemic Risk

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Open a demo

**FIBO**


The Financial Industry Business Ontology (FIBO) defines the sets of things that are of interest in financial business applications and the ways that those things can relate to one another. In this way, FIBO can give meaning to any data (e.g., spreadsheets, relational databases, XML documents) that describe the business of finance.

**Units of measurements**


Ontology about units used in measuring things, like: meter, hertz, pH, ....

**FOAF**


FOAF (an acronym of friend of a friend) is a machine-readable ontology describing persons, their activities and their relations to other people and objects. Anyone can use FOAF to describe themselves. FOAF allows groups of people to describe social networks without the need for a centralised database.

**Sounds**

Ontology/Taxonomy describing the different types of sounds

**Mindmap with ChatGPT**

A mindmap about "Personal Growth" as generated by ChatGPT

**Mindmap**

A simple example of a mindmap

Banks

Applies To

Introduces

Measure

Measure

icality

Common Equity Tier 1

Capital Framework


Component of

Capit

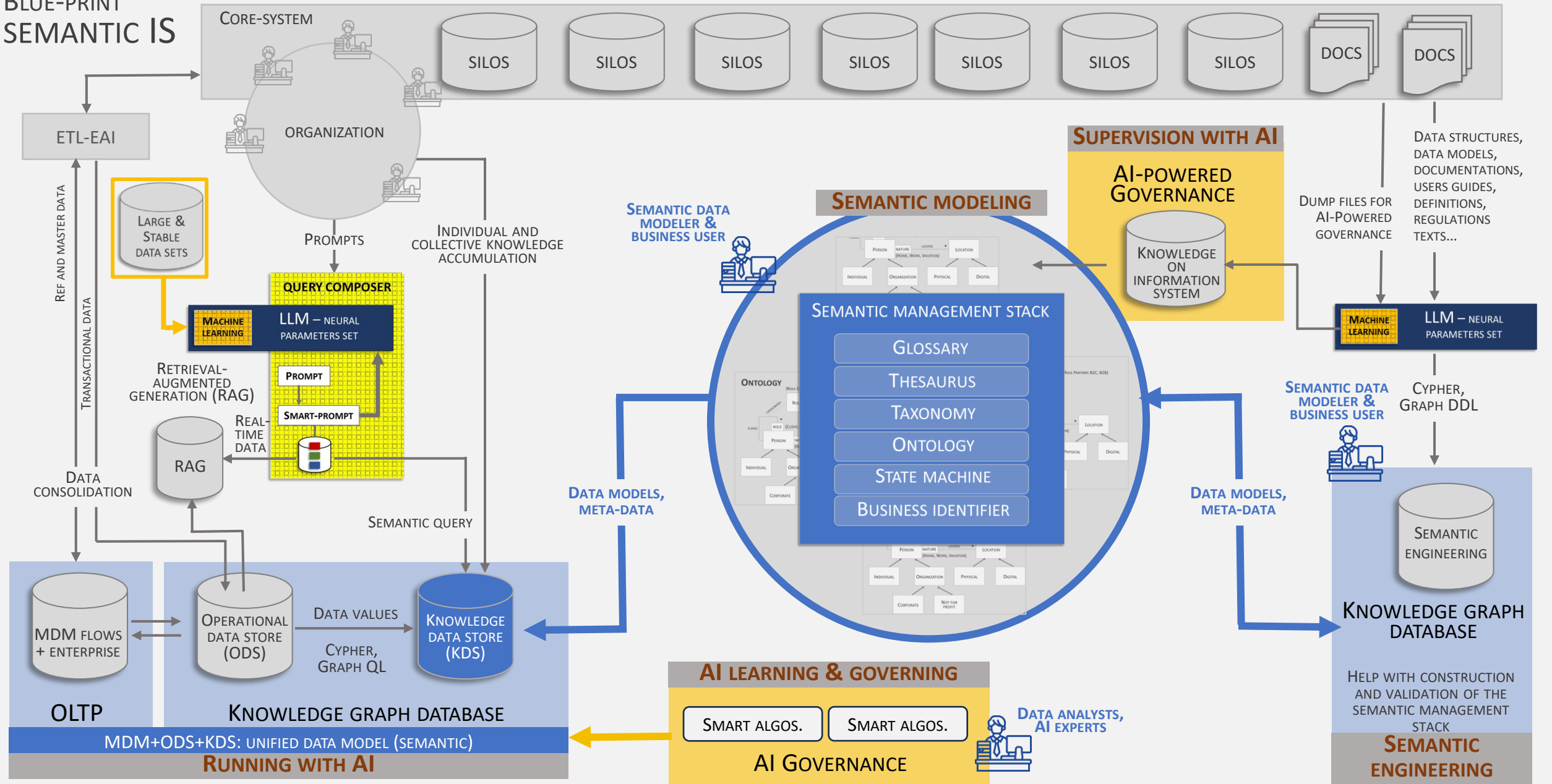
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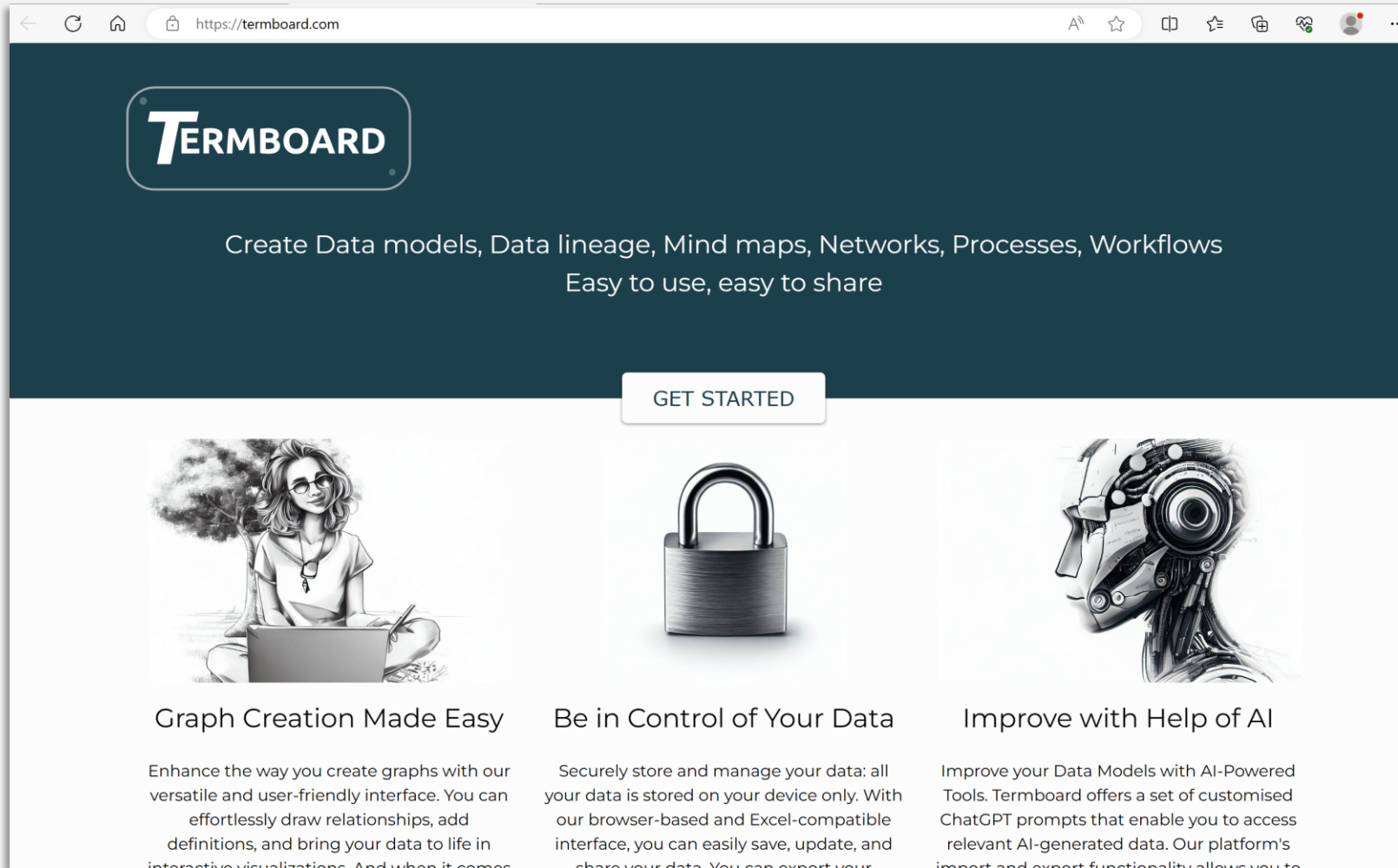
A

 ENGAGE  
META

BLUE-PRINT  
SEMANTIC IS



# THANK YOU TERMBOARD




The screenshot shows the Termboard website homepage. At the top, there's a dark blue header with the Termboard logo (a white 'T' in a rounded rectangle followed by 'ERMBOARD' in white) and the text 'Create Data models, Data lineage, Mind maps, Networks, Processes, Workflows' and 'Easy to use, easy to share'. Below the header is a white button that says 'GET STARTED'. The main content area is white and features three columns, each with an illustration and a heading. The first column has an illustration of a woman sitting cross-legged with a laptop, under the heading 'Graph Creation Made Easy'. The second column has an illustration of a padlock, under the heading 'Be in Control of Your Data'. The third column has an illustration of a robotic head, under the heading 'Improve with Help of AI'. Each column has a paragraph of text below the heading.

**TERMBOARD**


Create Data models, Data lineage, Mind maps, Networks, Processes, Workflows  
Easy to use, easy to share

[GET STARTED](#)




### Graph Creation Made Easy

Enhance the way you create graphs with our versatile and user-friendly interface. You can effortlessly draw relationships, add definitions, and bring your data to life in interactive visualizations. And when it comes



### Be in Control of Your Data

Securely store and manage your data: all your data is stored on your device only. With our browser-based and Excel-compatible interface, you can easily save, update, and share your data. You can export your



### Improve with Help of AI

Improve your Data Models with AI-Powered Tools. Termboard offers a set of customised ChatGPT prompts that enable you to access relevant AI-generated data. Our platform's import and export functionality allows you to

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