



Taxonomies with Intent

Designing Clarity for Complex
Organizations

Giuseppe Attoma Pepe

Alok Nandi

Brussels, September 18th, 2025

This workshop is a
P-R-E Series Conversation

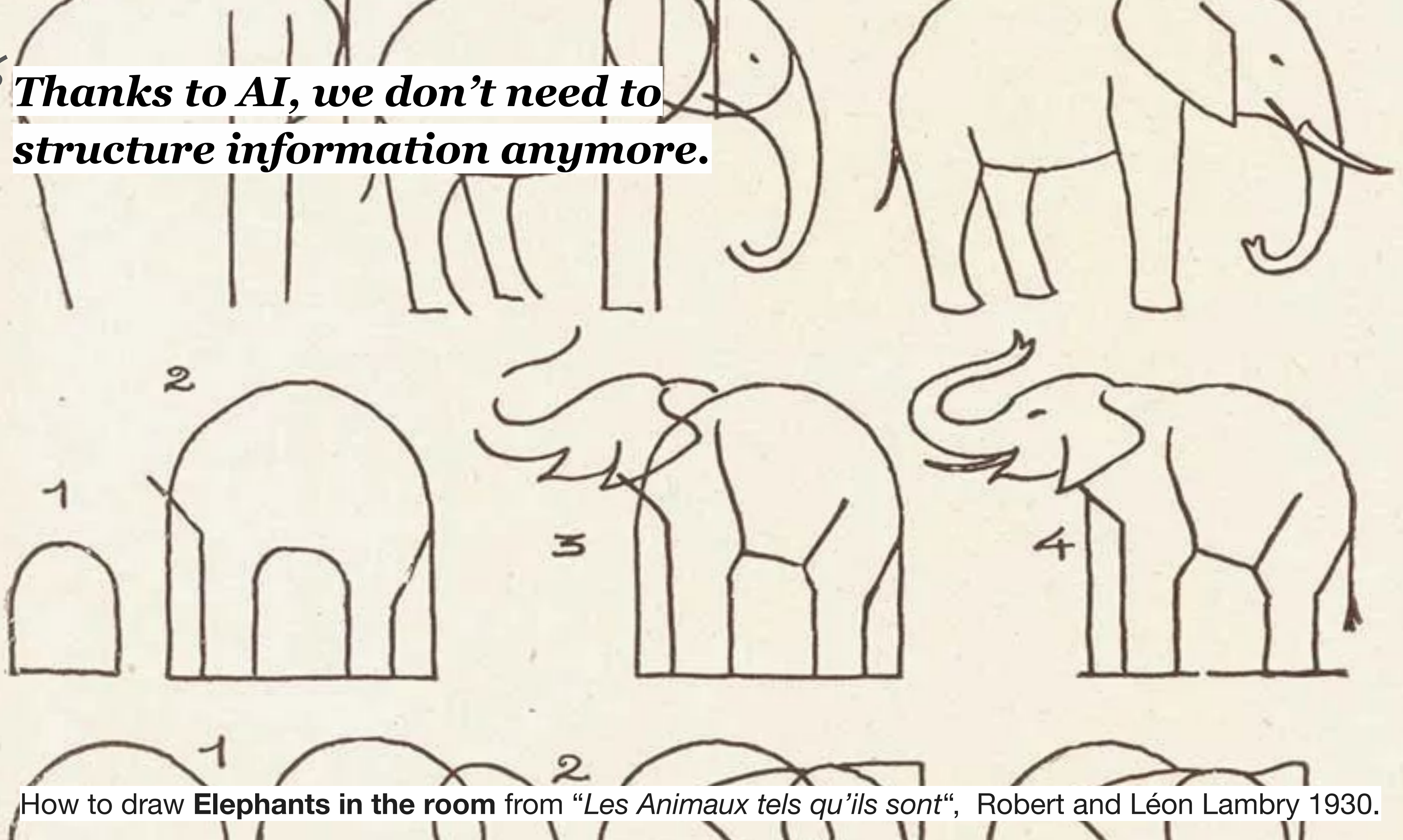
In partnership with IID,
IxDA Brussels & Cumulus Association



“*A repository without a proper taxonomy:
Garbage in, Garbage out*”

Melinda LaFevers sits by her laptop in the kitchen of her home in Searcy, Arkansas (USA)
Photo John Sykes Jr.

“*Thanks to AI, we don’t need to structure information anymore.*”



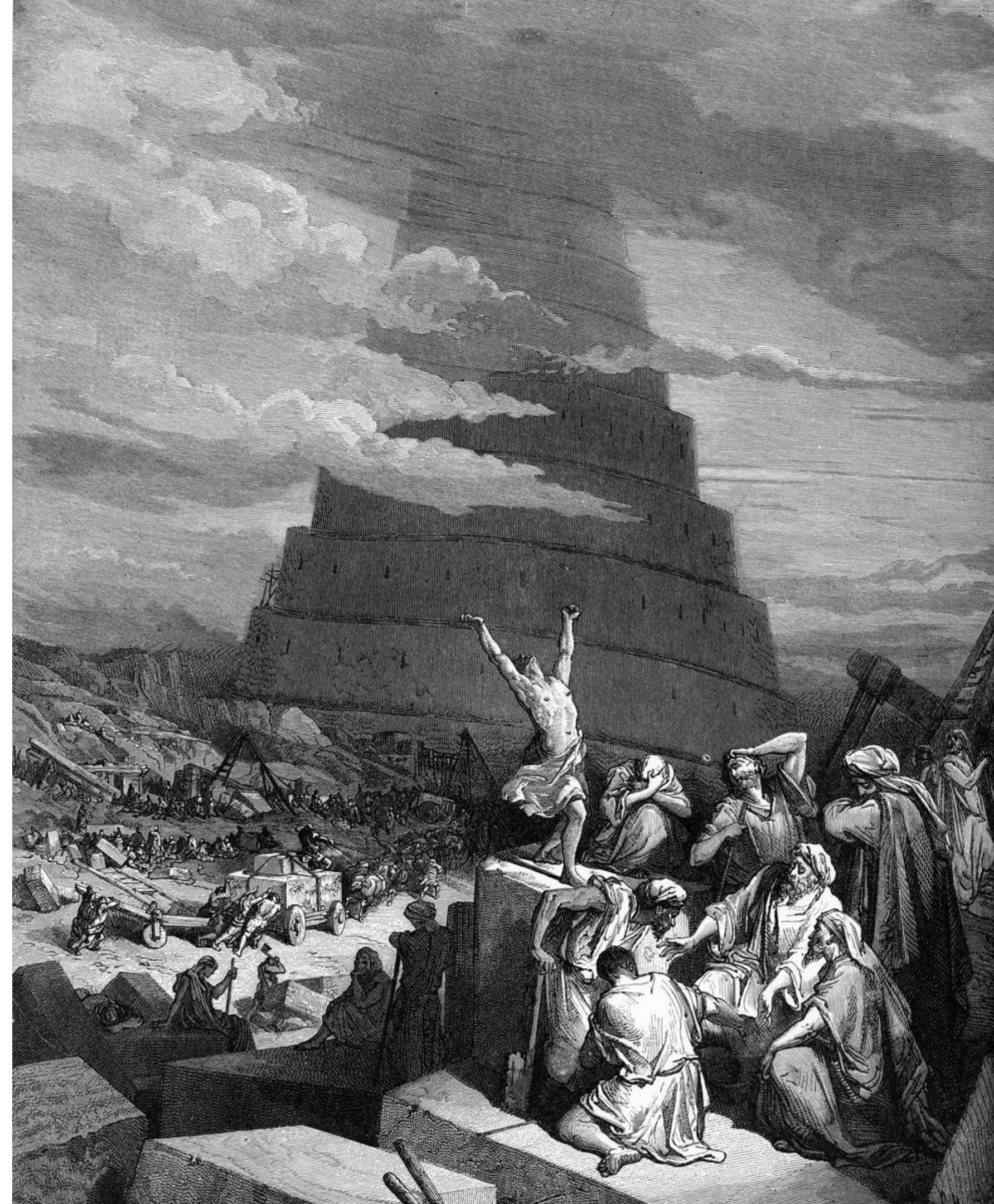
How to draw **Elephants in the room** from “*Les Animaux tels qu’ils sont*“, Robert and Léon Lambry 1930.

Three things LLMs can't do (at least convincingly)

- Build *systemic* taxonomies
they improvise **lists**, not coherent **structures**
- Understand the physical world except
as words about it
- Make jokes ;-)
unless you like dad-joke level humor

Babel, The confusion of languages

Wood engraving by Gustave Doré, 19th century





Vision & Mission

We recognize the value of every person and are guided by our commitment to excellence and leadership. We demonstrate this by providing physical and emotional care for each of our patients and their families.

Stakeholders

Patients
Families
Workers
Managers
Community Board
Government
Partners
Suppliers



Ambition & Strategic Starting-points and preconditions

- become a leader
- sound finance
- happy clients
- zero waste
- no fatalities

Reduce Time To Healthcare Service

Strategy (objectives & goals & targets) pertaining to a quality requirement (QA)

- reduce costs
- grow market
- maintain revenue
- innovate
- empower employees

Program of Requirements (User & Business & IT)

- working mobile
- everything digital
- quicker searching
- consistent data
- care act compliancy

Information

Date: Jan 1 2018
Version: 0.5 draft
Author: Mark Paauwe
Owner/Client: Atlantis Hospital
Purpose: To Inform
Target Audience: Management

Context

Business Strategy and Digital Transformation Overview



Concepts and Principles

- Business
 - Robotics
 - Body Wearables
 - Instant Factory
- Information
 - Mobile Apps and Data
 - Smart Engine and Business Rules
 - Single Source of Truth
- IT Infrastructure
 - Virtualization
 - Public Clouds
 - Digital Transform

Architecture Principles

- The Customer Is Always Right
- Buy Before Build
- Business Case Based Projects
- Yes, We Can Do Anything
- Better To Be First Than To Be Better

Projects and Deliverables

- Customer Loyalty
- Care Act Implementation
- Paperless Office
- New Website
- Food 4 Fit
- Interfacing with Partners

- Website
- Quality System
- Food Order App
- Compliant Processes
- Fast Data Exchange

Policy Measures

- measure1
- measure 2
- measure 3
- measure 4
- measure 5

Core Figures / Complexity

- 1000 clients
- 100 business processes
- 20 products
- 300 employees
- 80 servers
- 40 applications

Reference Documents

- innovation agenda
- yearplan
- mission statement
- program of requirements
- boardroom sketch
- notes MT meeting

Communication Message

This an example communication message. With this EA blueprint every manager can see the impact of the necessary changes from the strategy onto the layers in the organization: market layer, processes layer, applications layer and IT infrastructure layer.

Domains Model



Context Model



Services Model



Legend





Ancient Indonesian *pustaka* (scripture) written in Karo Batak script



A family of market gardeners in the outskirts of Paris, early 20th century (source: Bobigny.fr)



Hermès leather goods workshop, France

**IN CREATIVE ACTIVITIES
ARCHIVES ARE NOT JUST
IMAGES**

**THEY ARE THE ESSENCE
OF THE CREATIVE
STRATEGY**



DESIGNING STRUCTURE



DESIGNING INSPIRATION

**DAMS DON'T FAIL
BECAUSE OF TECH.**

**THEY FAIL BECAUSE OF
TAXONOMY
STRUCTURE
MINDSET**