

# CUSO Design Science & Design Thinking

Ovronnaz, 2017

Design Thinking?

A lightbulb with a colorful, abstract, brushstroke-like interior, symbolizing creative thinking. The interior is filled with various colors including blue, green, yellow, red, purple, orange, and pink, all rendered in a dynamic, hand-painted style. The base of the lightbulb is grey and black, suggesting a standard screw-in base.

Design Thinking?

# Design Thinking



Does it look cool?



Does it solve problems?

# Design Science



# Design Science

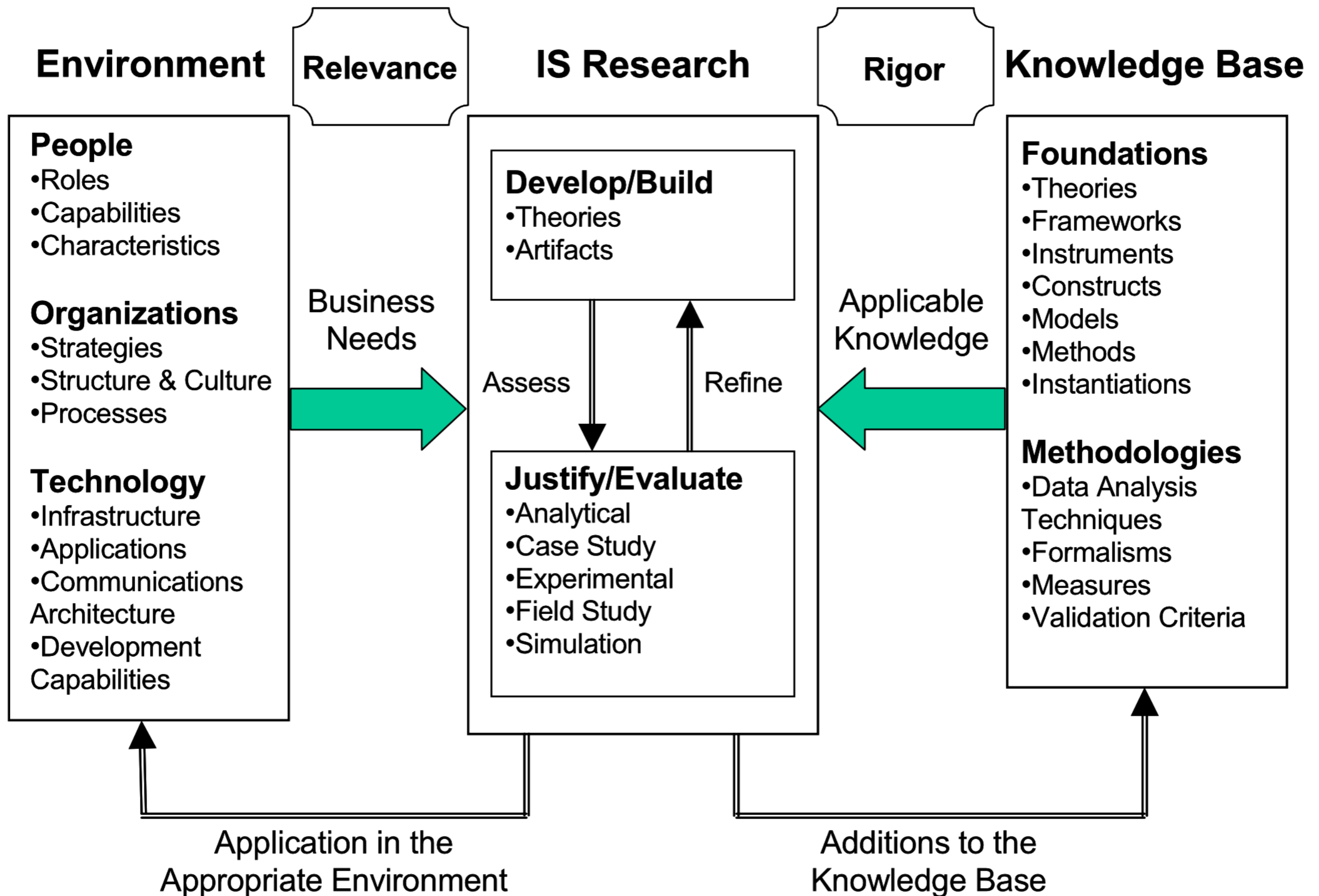
What is the problem?

Who has this problem?

What kind of artifact do you have?

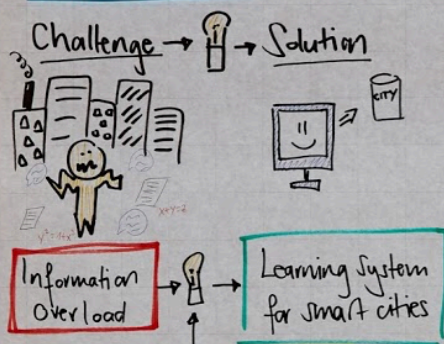
How the artifact solves the problem?

How do you validate the artifact?



# COGNITIVE Q/A-SYSTEM For SMART CITIES

## INTRODUCTION



## RESEARCH QUESTIONS

"How does a learning Q/A-system help citizens of a smart city to handle the information overload?"

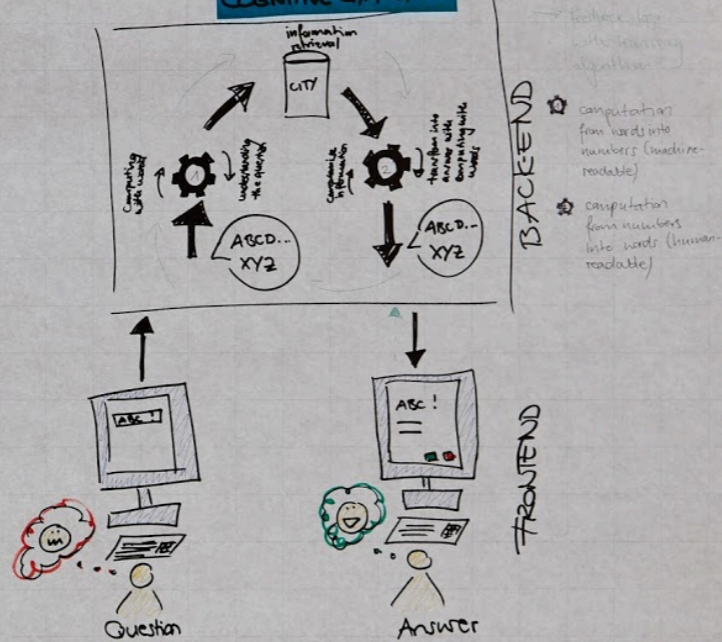
"How can a system compute natural language?"

## METHODOLOGY

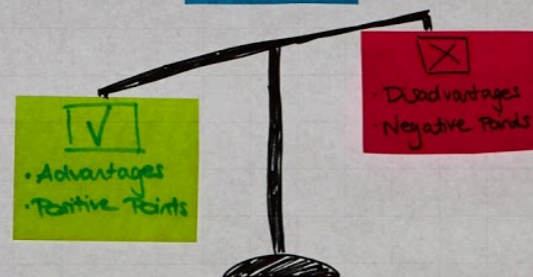
Design  
Science  
Research

Status Quo: Conceptual  
Artifact

## COGNITIVE Q/A-SYSTEM



## DISCUSSION

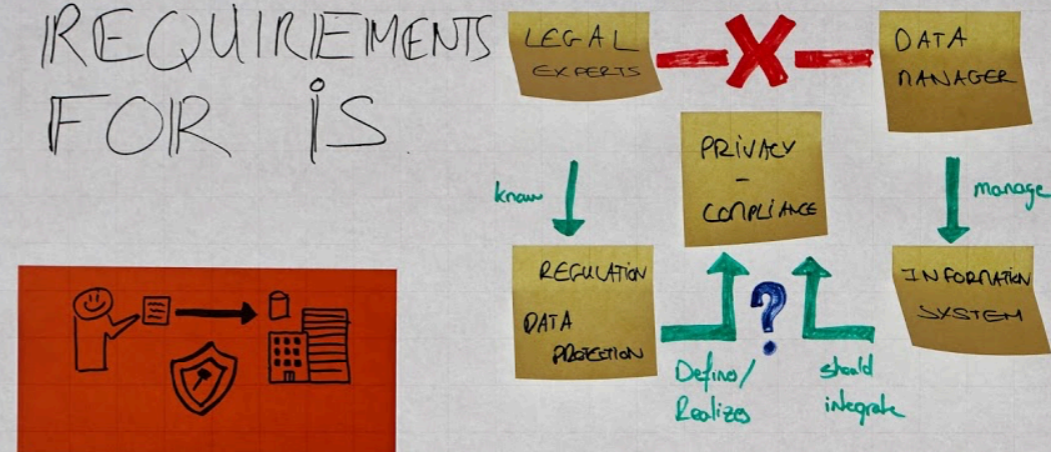


Open Question

## CONCLUSION

Summary  
Limitation  
further research

# DATA PROTECTION REQUIREMENTS FOR IS



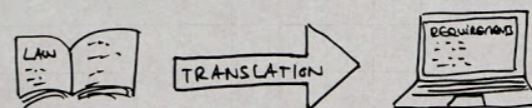
## PROBLEM:

- 2 SEPARATE DOMAINS
- LACK OF COMMON GROUND

DATA MANAGERS DON'T KNOW HOW TO HANDLE COMPLIANCE

## RESEARCH QUESTION

HOW CAN SECURITY AND PRIVACY REGULATORY IMPERATIVES BE DESCRIBED TO EXPRESS COMMON IS REQUIREMENTS, ENSURING COMPLIANCE OF DATA MANAGEMENT PRINCIPLES IN ORGANIZATIONS?



## METHOD

DSR

## EVALUATION

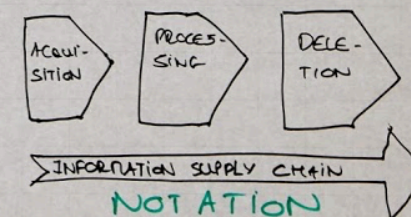
WORKSHOPS AND PROJECTS THROUGH INDUSTRY-BACKED RESEARCH CONSORTIUM

PEER REVIEW FOR LEGAL "CORRECTNESS"

## DESIRED RESULT

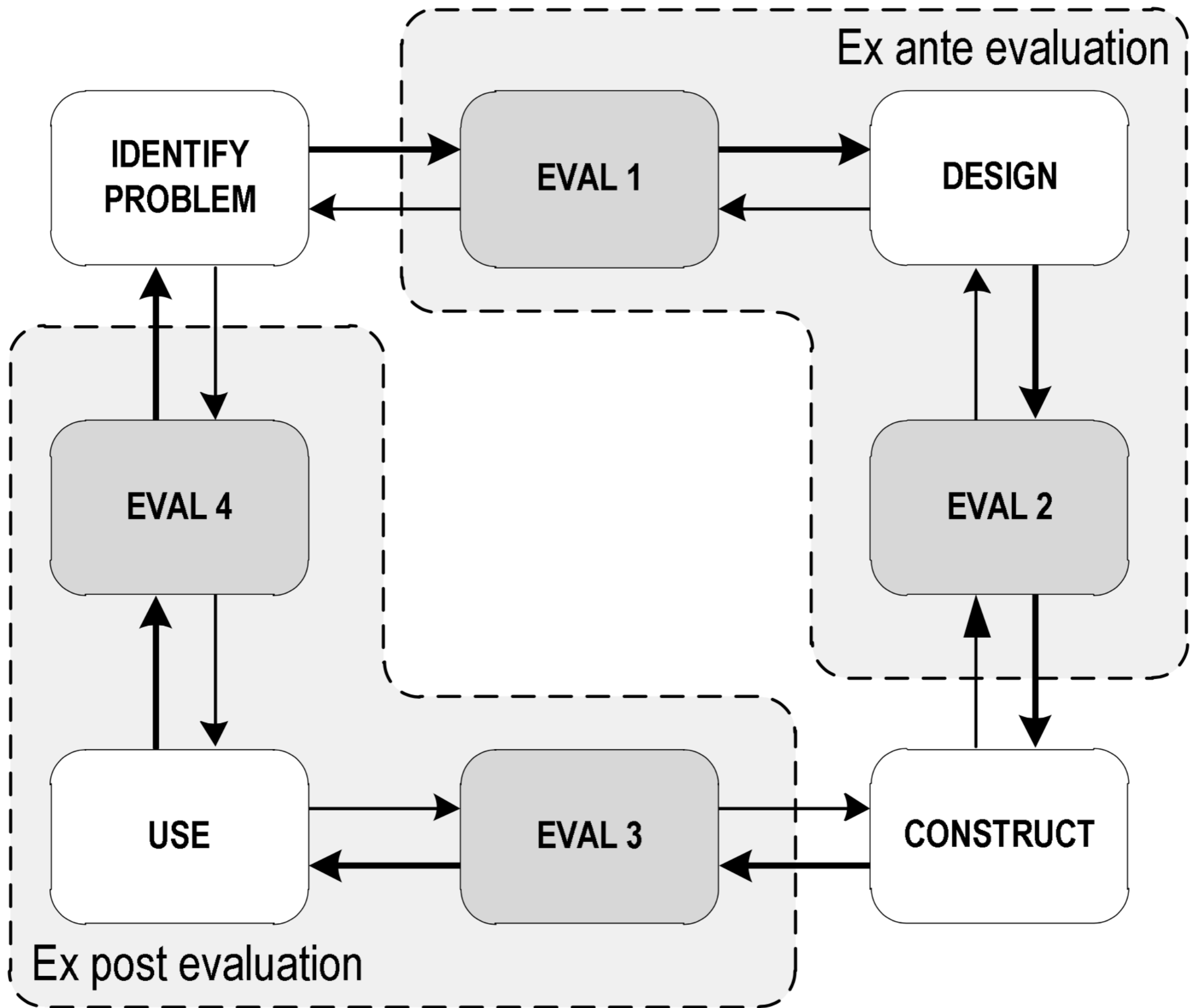
TOOL TO BE USED BY BUSINESS PEOPLE TO:

- UNDERSTAND DATA PROTECTION IN A WAY THAT THEY UNDERSTAND
- CONVEY IDEAS TO LEGAL COLLEAGUES
- BE CONFIDENT REGARDING COMPLIANCE



## METHOD

REFERENCE  
MODEL

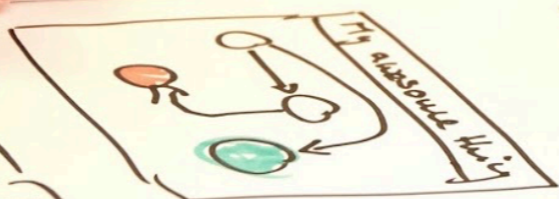




# TITLE MAGAZINE

N. 01 January 2017 / CHF 1.-

The new Jesus of  
object-oriented  
programming!  
-- The Bible  
edition



## DEBUCKING!

It's finally here!

Bobby

Aenean  
massa  
Cum sociis natoque  
penatibus et magnis

# Keynotes



Kil-Soo Suh



Giorgio Pauletto

# Keynotes



Kil-Soo Suh



Giorgio Pauletto

# MRI for Kids?



# MRI for Kids!



Confucianism Must DIE!



# Keynotes

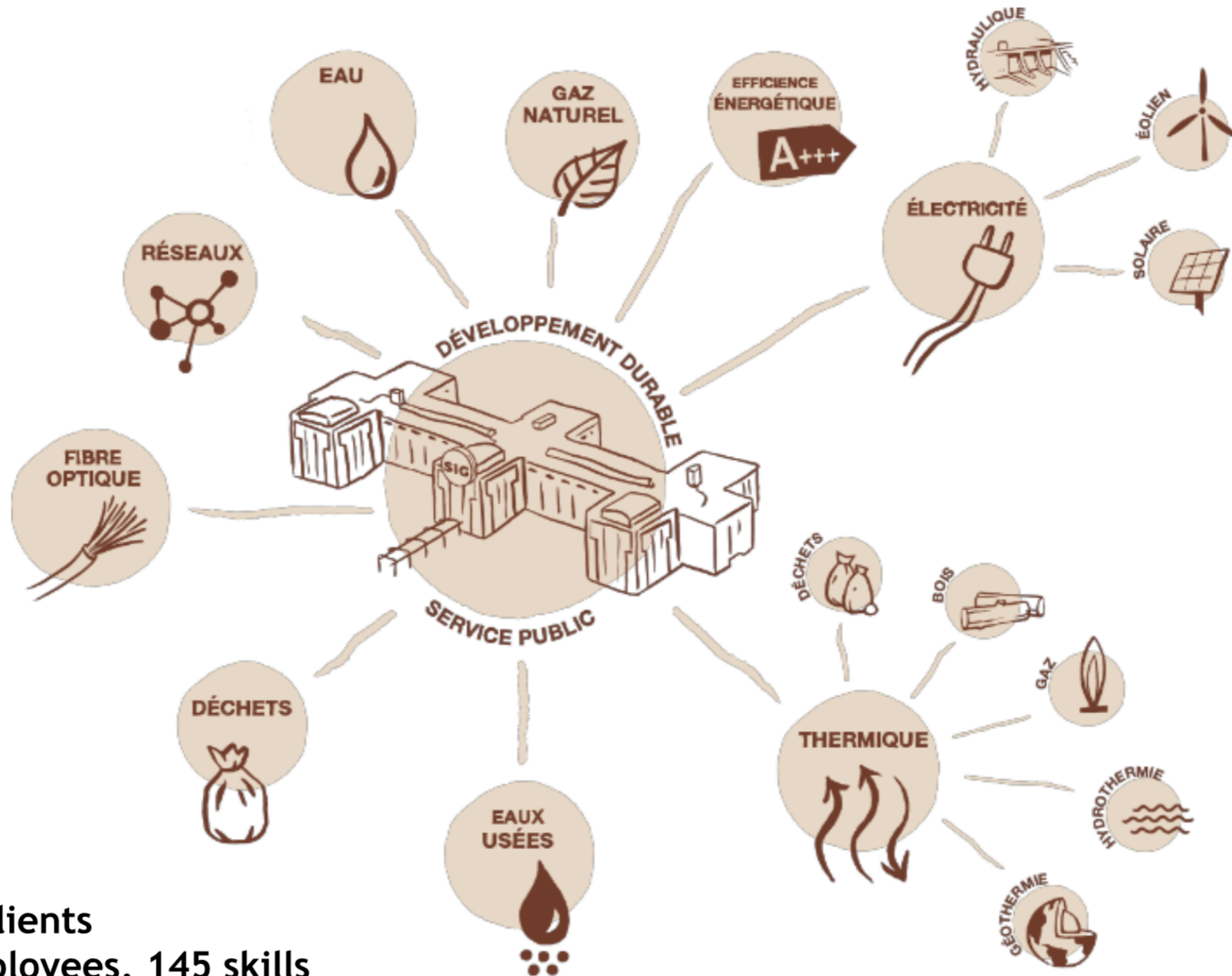


Kil-Soo Suh



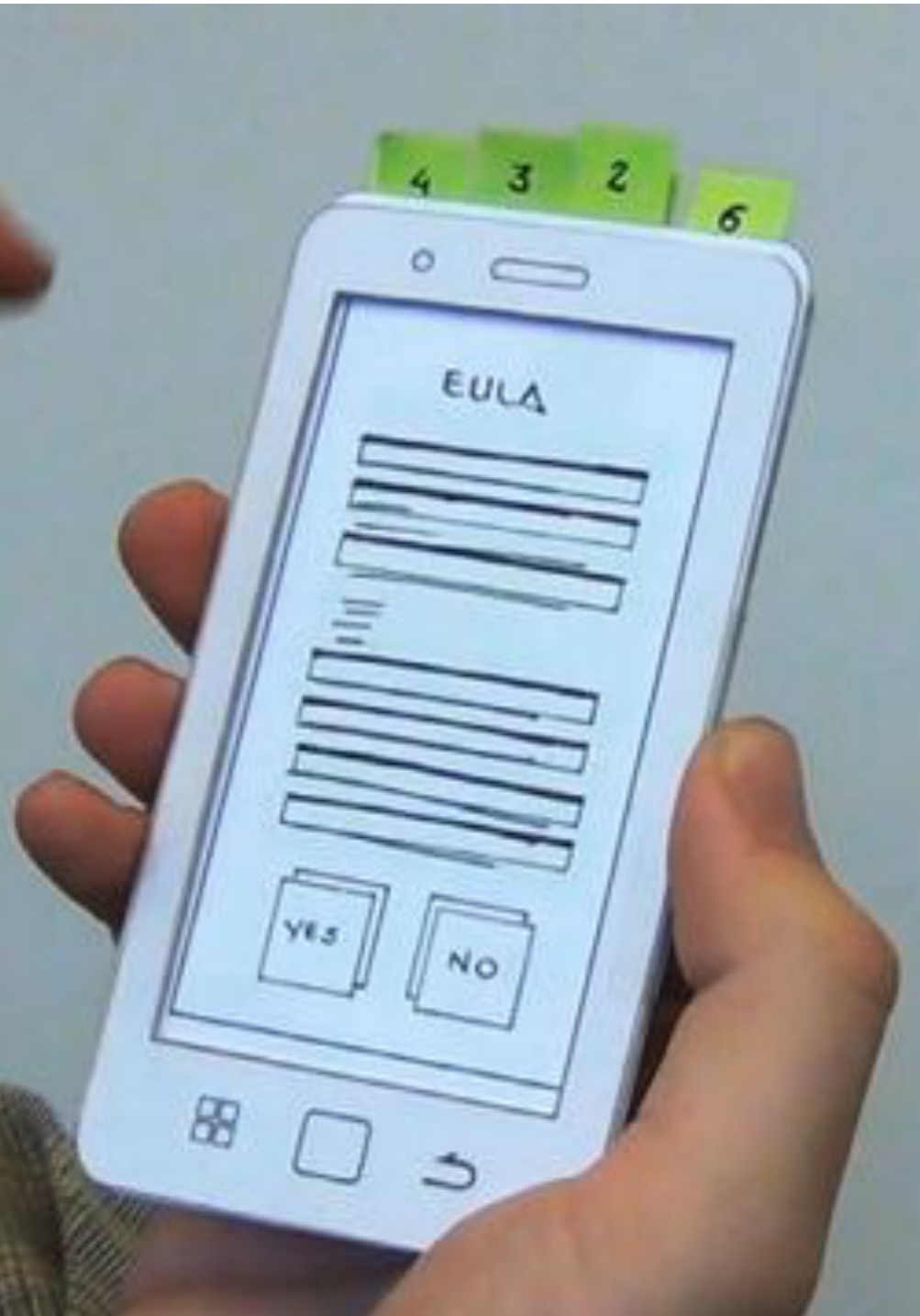
Giorgio Pauletto

# SIG

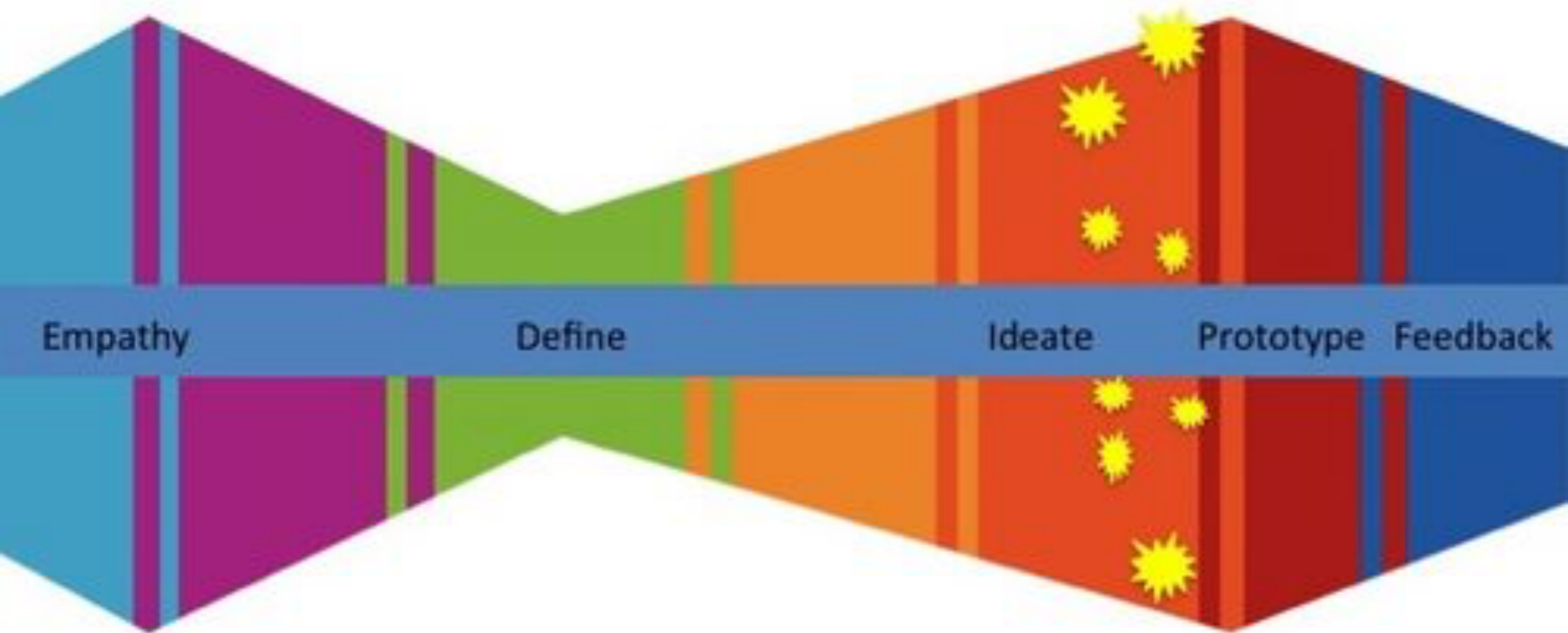


250'000 clients  
1'700 employees, 145 skills

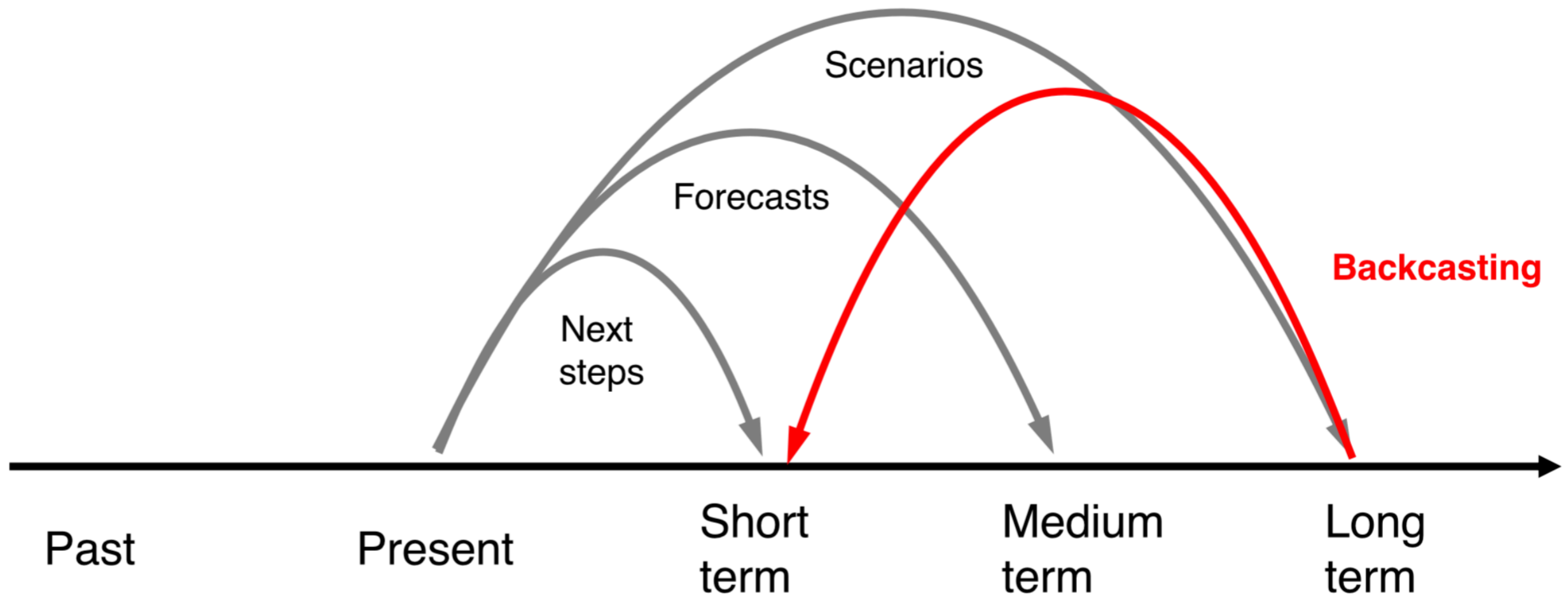
# Interview & Prototype



# Diverge & Converge



# Remember the Future



# Service Box

# Service Box



Spa & Ski?



