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YOU SAID INTEROPERABILITY!?

Lessons learned from two #AI #ML projects

ENDORSE.

THE EUROPEAN DATA CONFERENCE ON REFERENCE DATA AND SEMANTICS

Map of the territory: *Key aspects of the 2 projects under review*

PROJECT 1

PURPOSE: Find and extract text segments

SEARCH TYPE : Rules-based ML & Topic modelling

TYPE OF DOCs: Legal acts (one type)

FORMAT OF DOCs: PDF

PTRAINING SET: ~1476

CONTRACTOR: Joint venture int.-ext.

PILOT SPACE: Internal servers

TAXONOMY: New

PROJECT 2

PURPOSE: Find relevant documents

SEARCH TYPE: Statistical inference ML

TYPE OF DOCs: Legal acts and files

FORMAT OF DOCs: PDF, Emails, Word, Excel

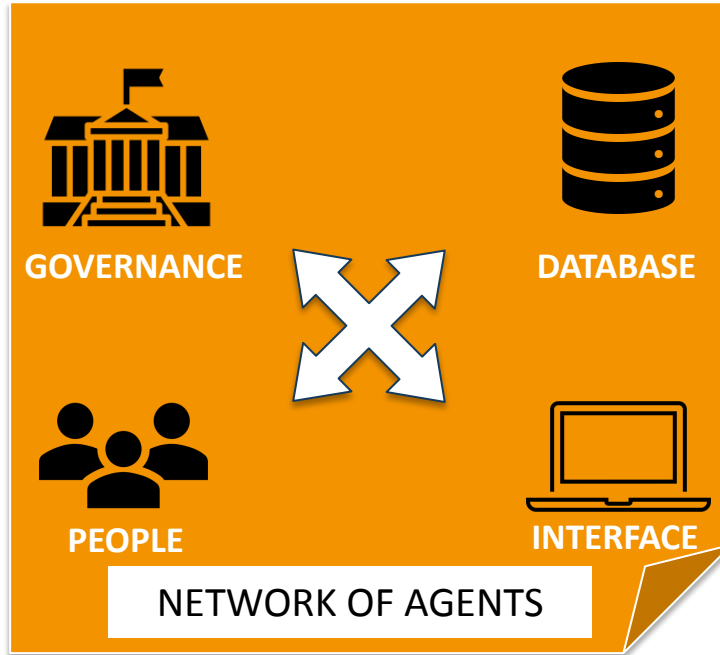
TRAINING SETS: ~600 documents

CONTRACTOR: Joint venture int.-ext.

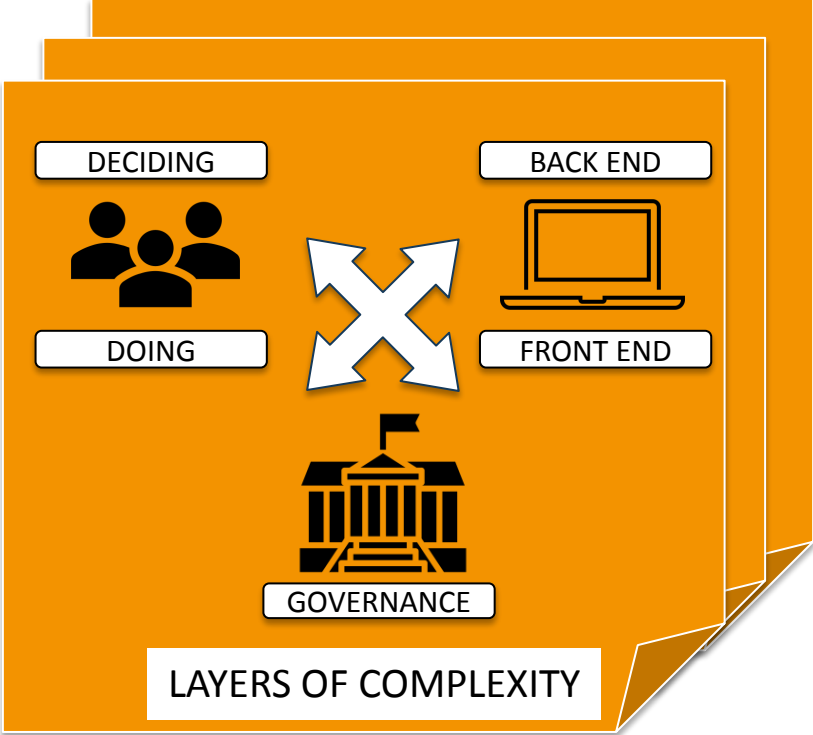
PILOT SPACE: Cloud base

TAXONOMY: Existing + new

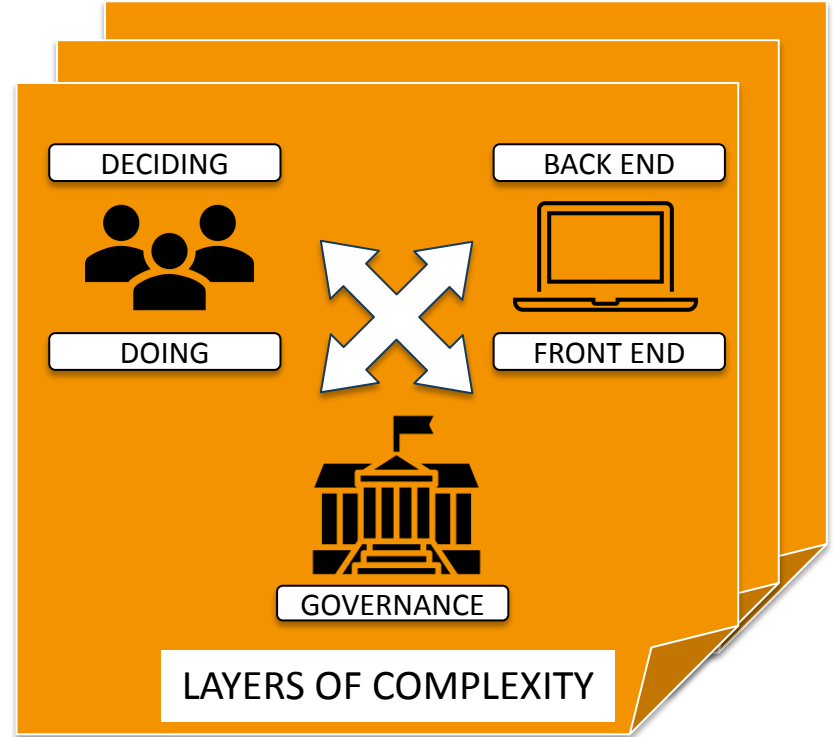
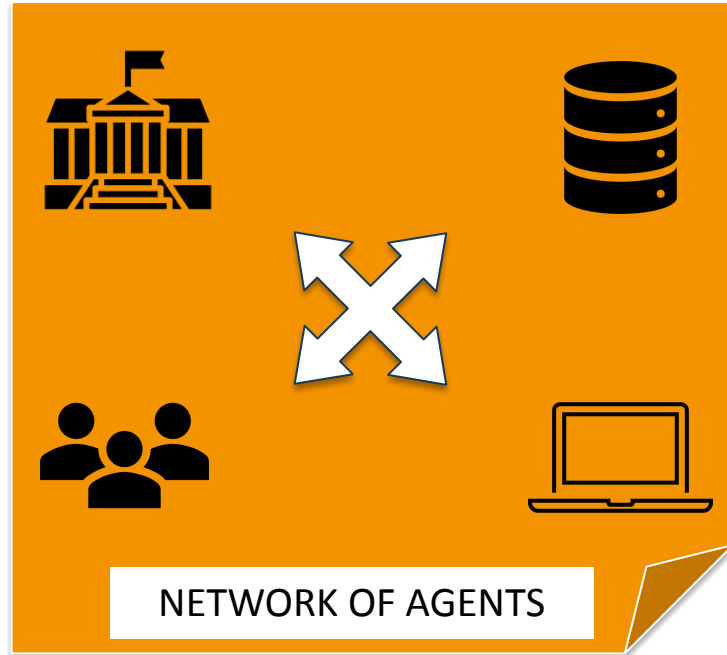
Map of the territory: *agents*



Map of the territory: *layers*



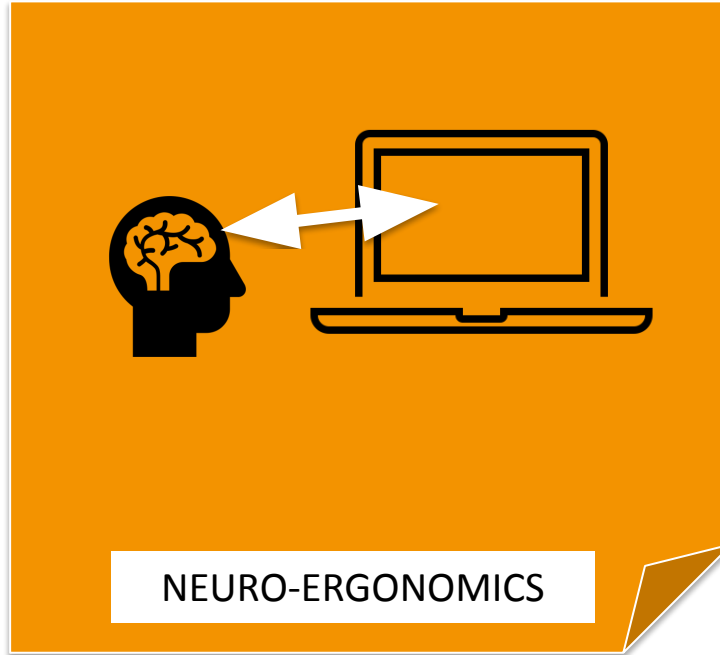
Map of the territory: *simplicity*



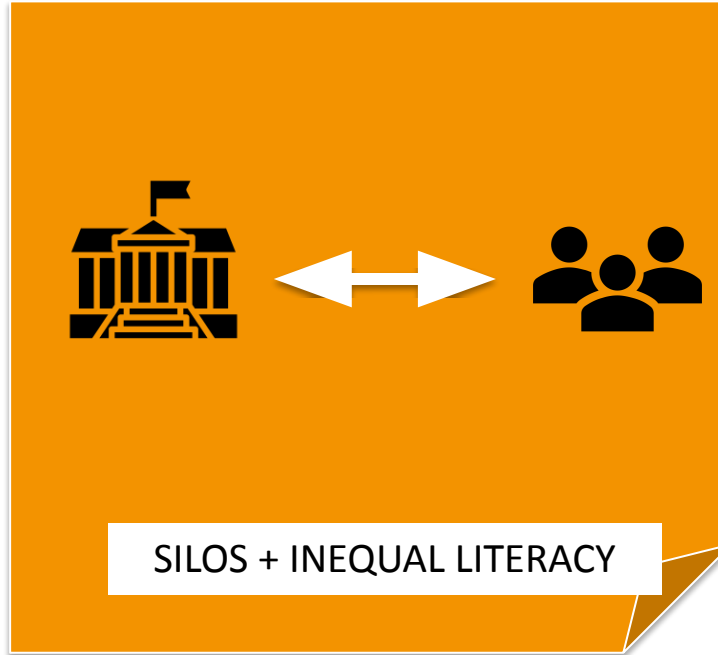
GAP 1: technical interoperability



GAP 2: human-machine **interoperability**



GAP 3: human-human interoperability

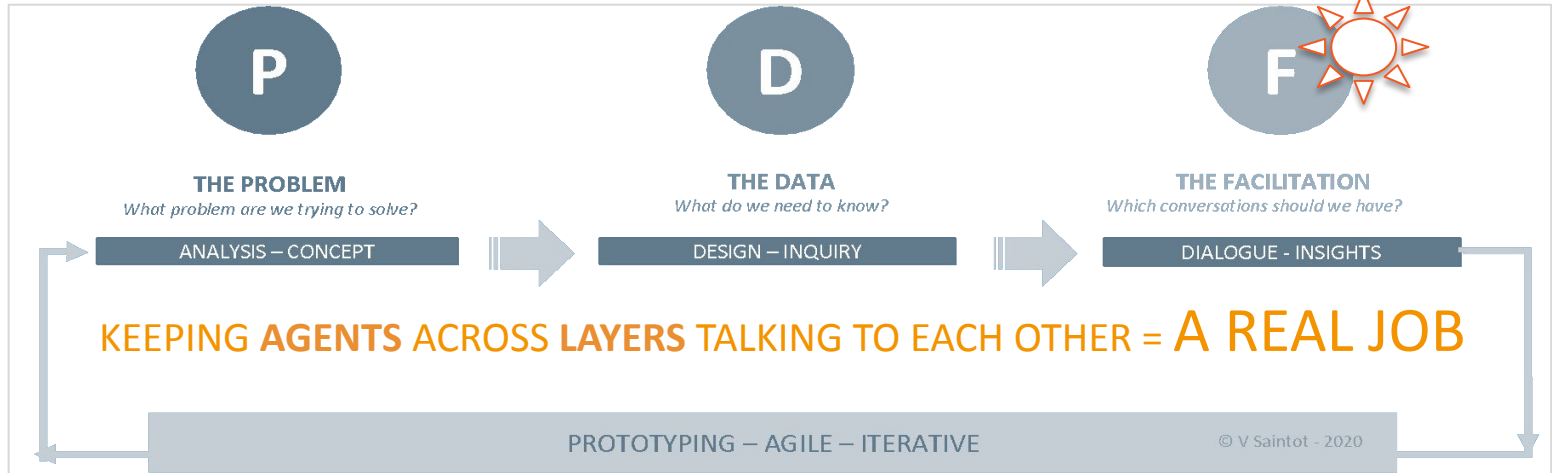


To conclude

For every complex problem there is an answer that is simple, clear AND WRONG

Need for a holistic approach: machine-machine, machine-human, human-human

INTEROPERABILITY CHALLENGES EXPAND BEYOND TECHNOLOGY



Thank you!

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