

# OMiLAB NPO – Status and Progress

Knut Hinkelmann

# About Me



CloudSocket

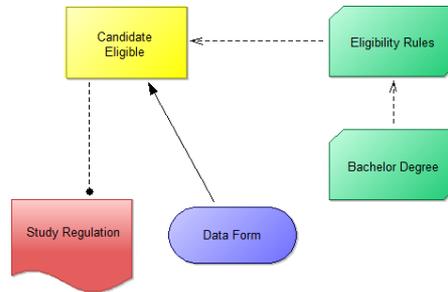
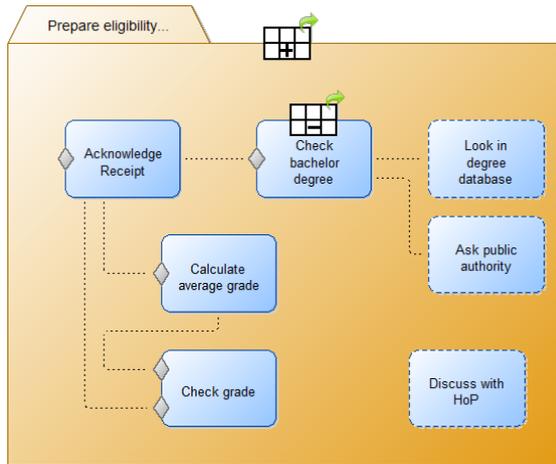
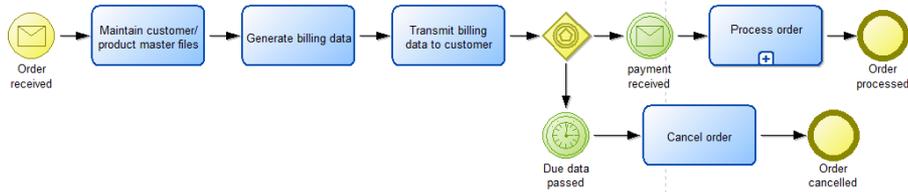
# My History with OMiLAB

- 2008/09 Feasibility Study
- 2010 – OKM Open Knowledge Models (plugIT)
- Since 2015 - NEMO Summer School
- 2015 - KWD – Knowledge Work Designer
- 2020 - OMiLAB Node

# My Research Interests

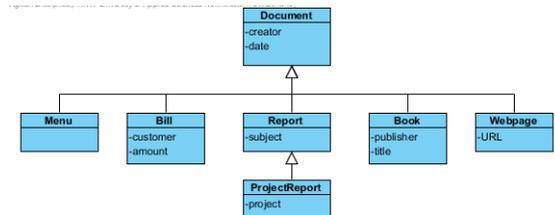
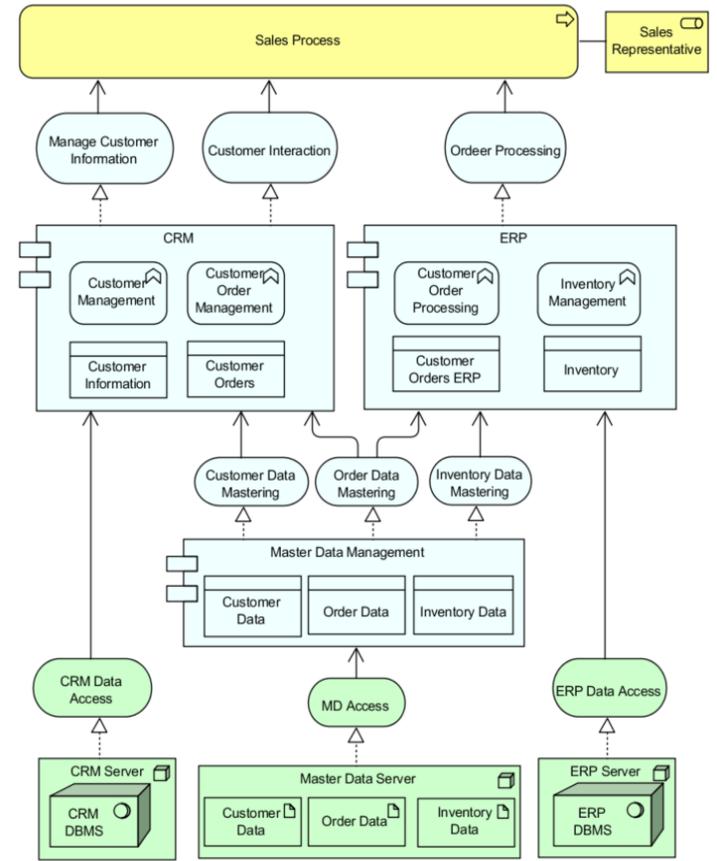


# Enterprise Modeling

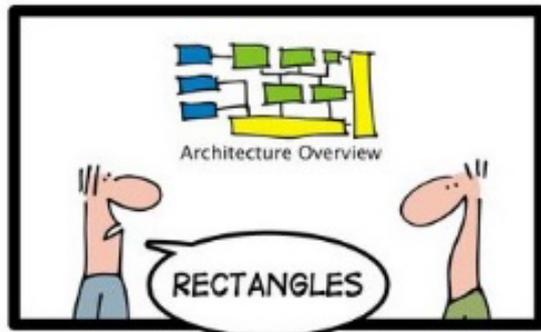
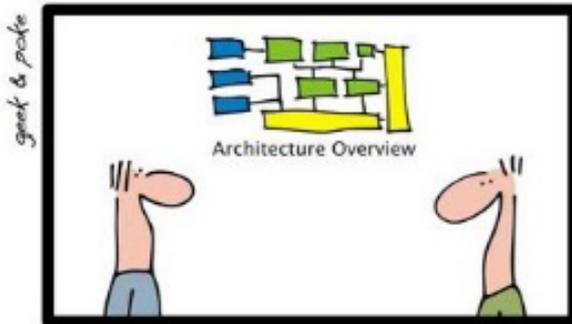
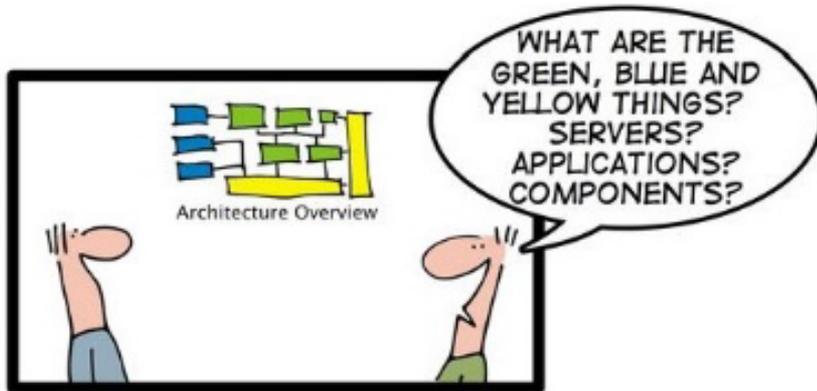


Candidate Eligible			
FC	Bachelor Degree	University accredited	eligible
1	yes, no	yes, no, unclear	yes, no
2	yes	yes	yes
3	no	no	no
4	yes	unclear	yes

Bachelor Degree		
FC	Bachelor Degree in	Bachelor Degree
	Information Systems, Business Administration, Information Technology, other, none	yes, no
1	Information Systems	yes
2	Business Administration	yes
3	Information Technology	yes
4	other	yes
5	none	no



# Making the Knowledge in Models explicit



Knowledge: The meaning of modeling objects.

– Example:



Language: Task

Domain: preparing food

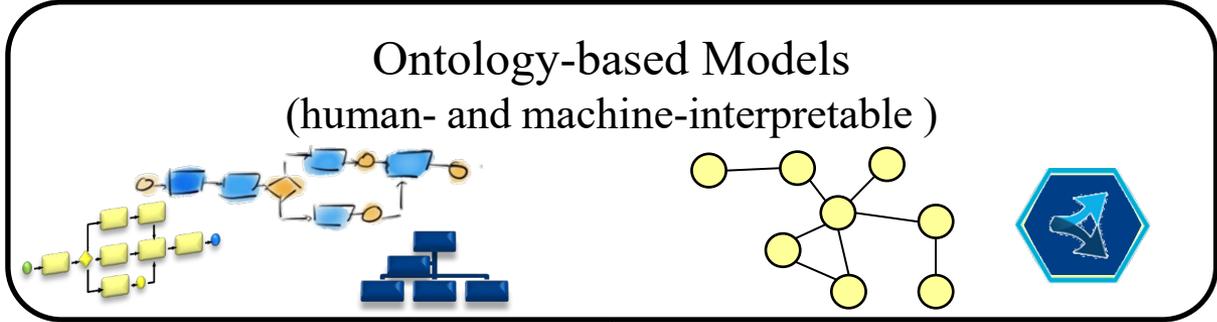
Objective:

– Machine-interpretable knowledge representation for decision making and problem solving

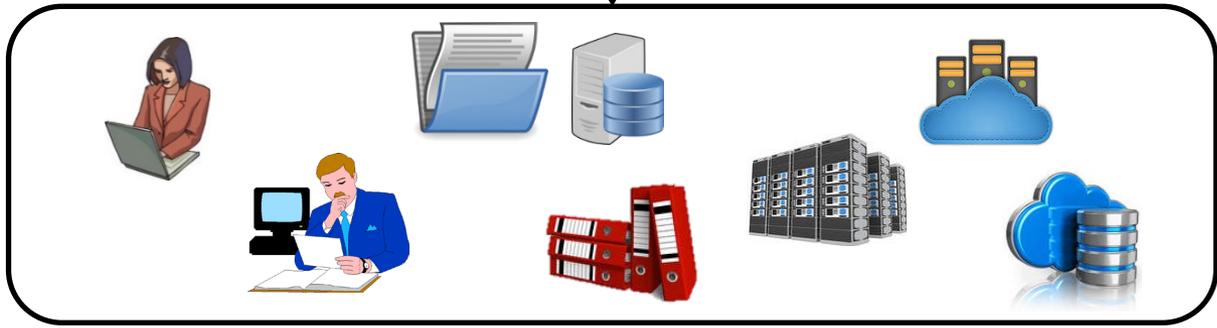
# Objective



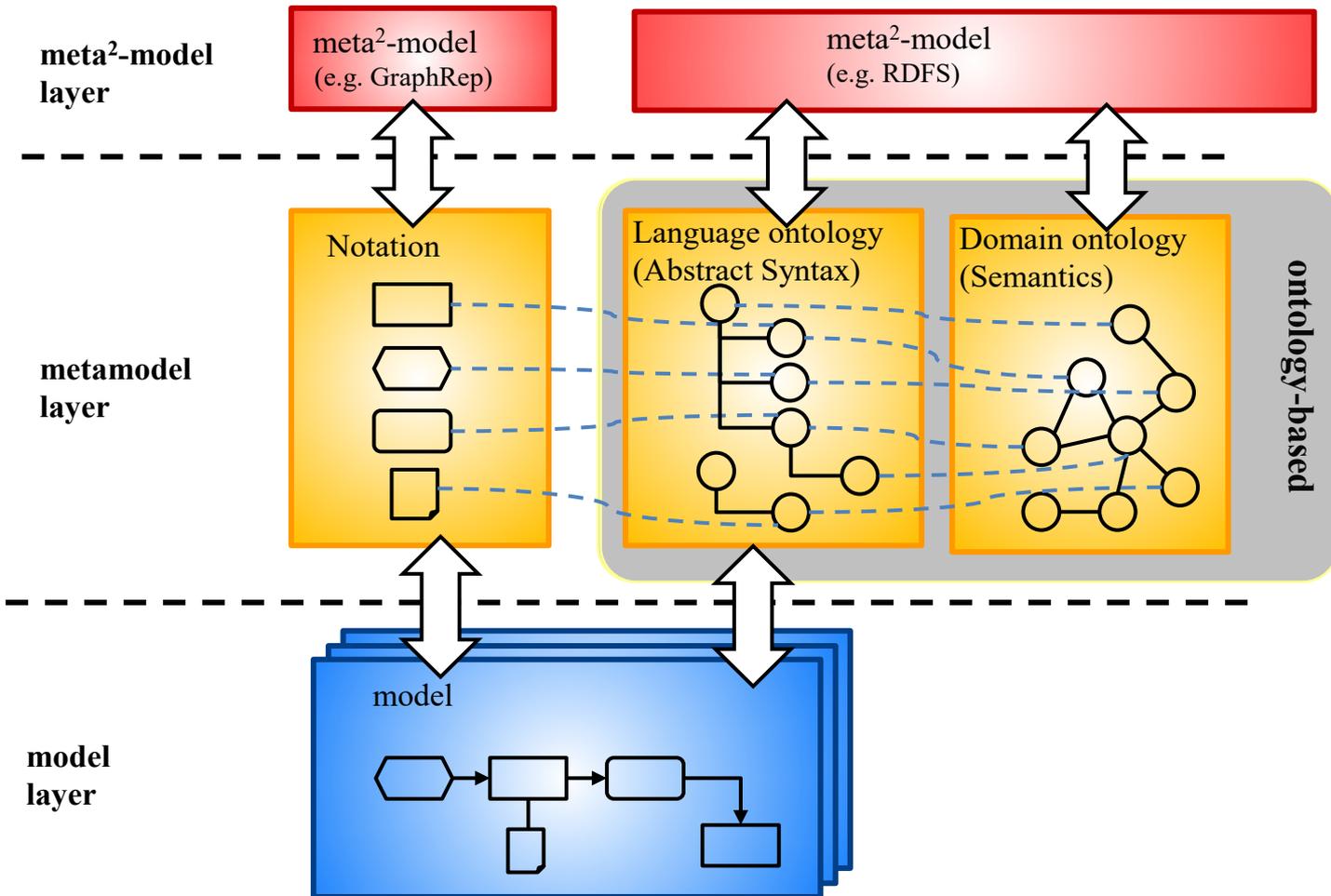
*Models + Knowledge*



*Reality*



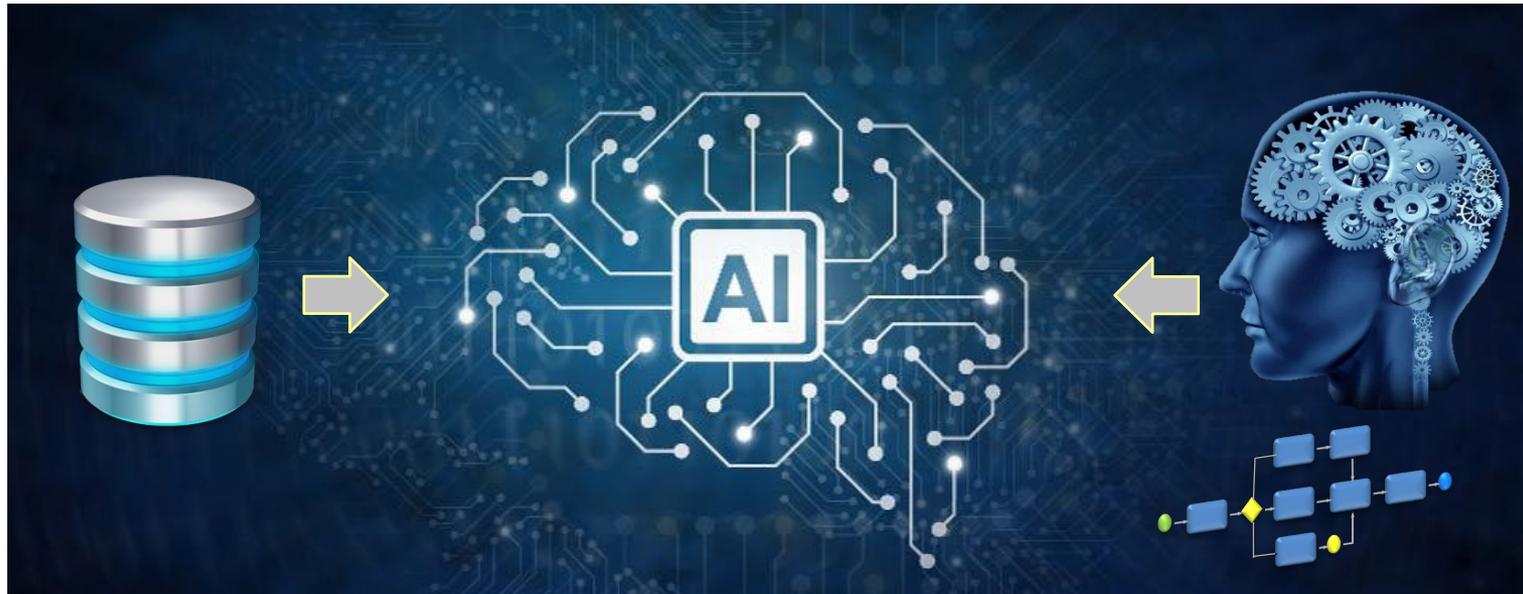
# Ontology-based Metamodeling: Ontologies for Metamodel and Content



# Combining Machine Learning and Knowledge-Based Systems

Data Driven:  
Machine Learning

Rational Thinking:  
Knowledge Bases





**Knut Hinkelmann**



**Andreas Martin**



**Hans Friedrich Witschel**



**Stephan Jüngling**



**Emanuele Laurenzi**



**Devid Montecchiari**



**Charuta Pande**



**Maja Spahic**

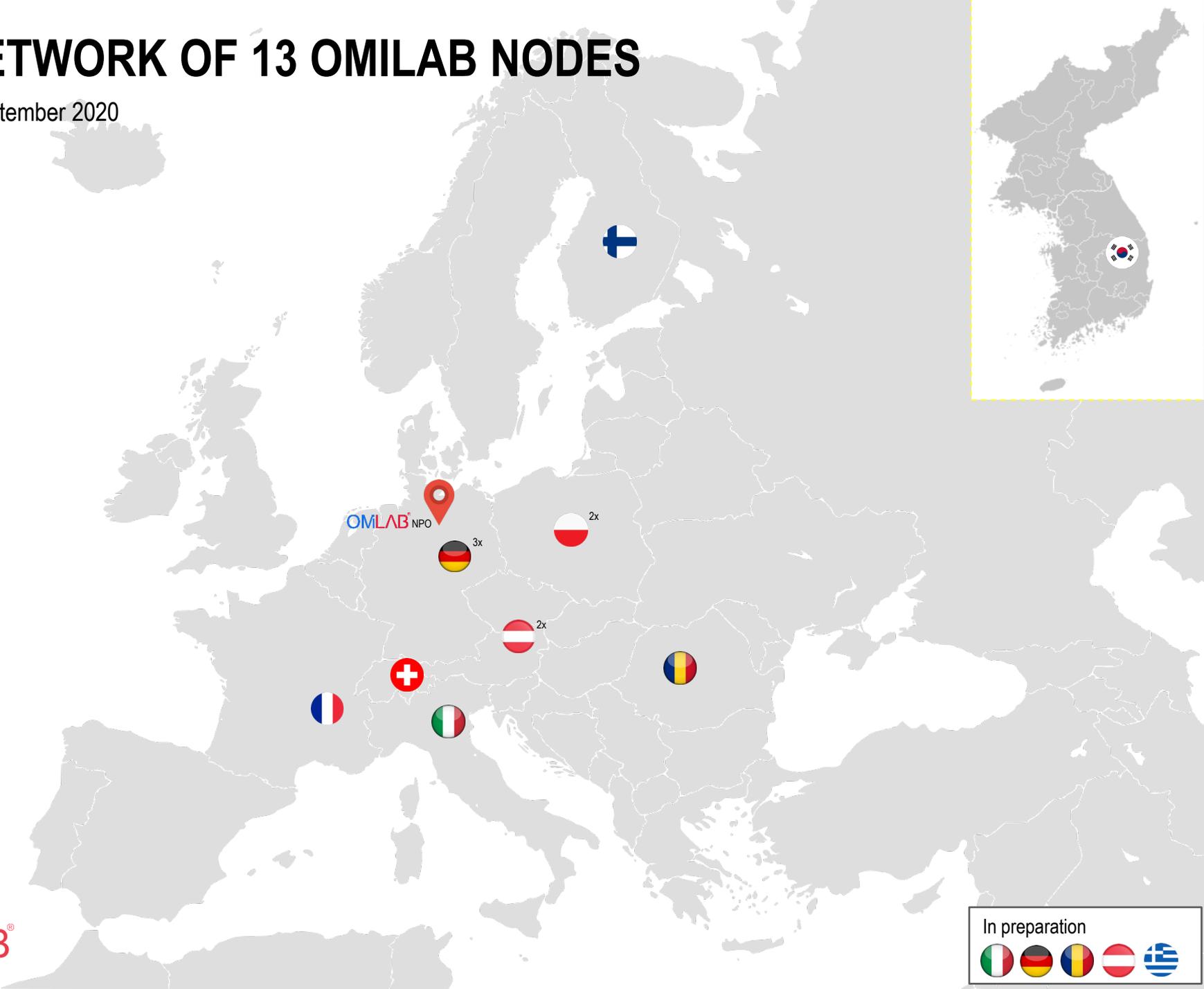
# OMiLAB NPO

# NEMO Summer School - postponed

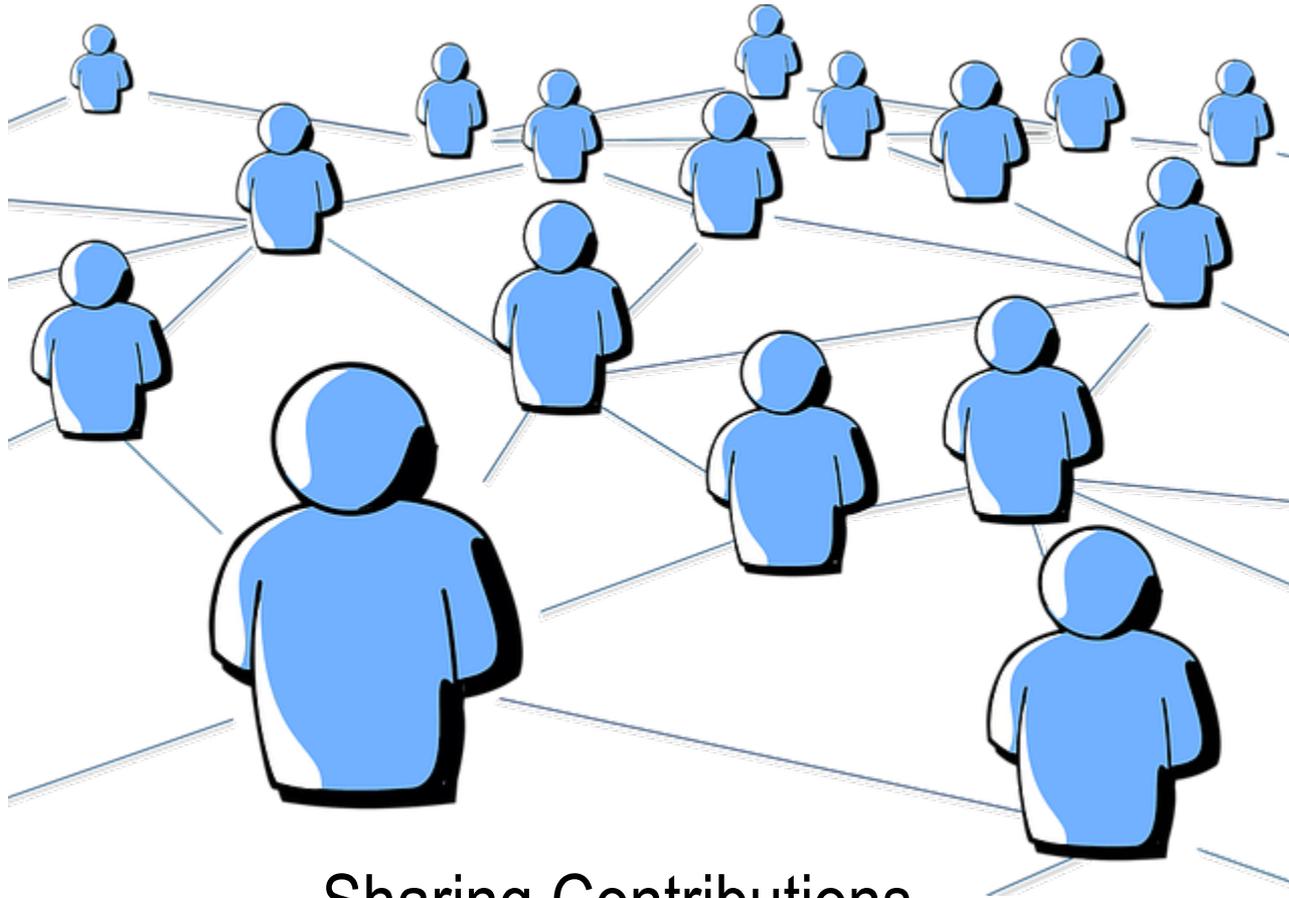


# A NETWORK OF 13 OMILAB NODES

As of September 2020



# OMiLAB Community



Sharing Contributions  
Encouraging Collaboration

# OMiLAB Days



# MODELathon



We are looking forward to a successful collaboration

**OMILAB<sup>®</sup>**

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