CBIM - GA No. 680676

HOLISTIC BUILDING PERFORMANCE MODEL WITH SEMANTIC WEB TECHNOLOGIES

Ph.D. Candidate: Duygu Utkucu

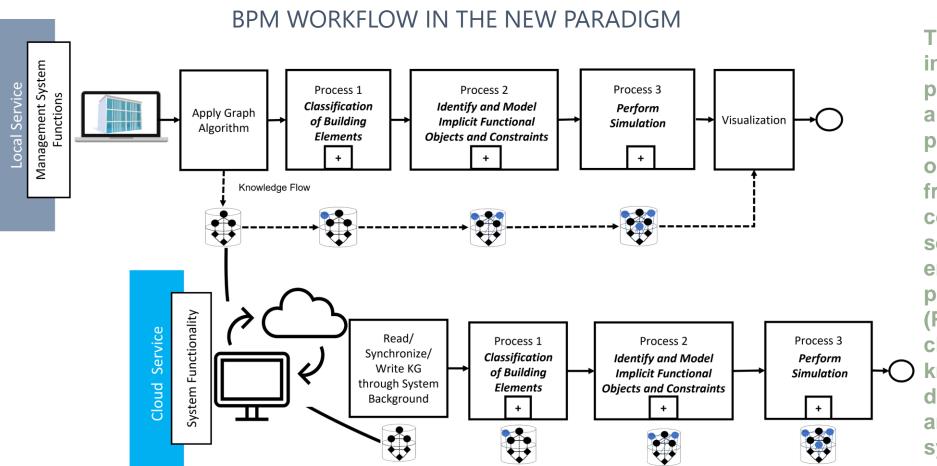
Advisor: Prof. Rafael Sacks



CBIM - European Training Network

Cloud-based Building Information Modelling FINALIZED ACTIVITY

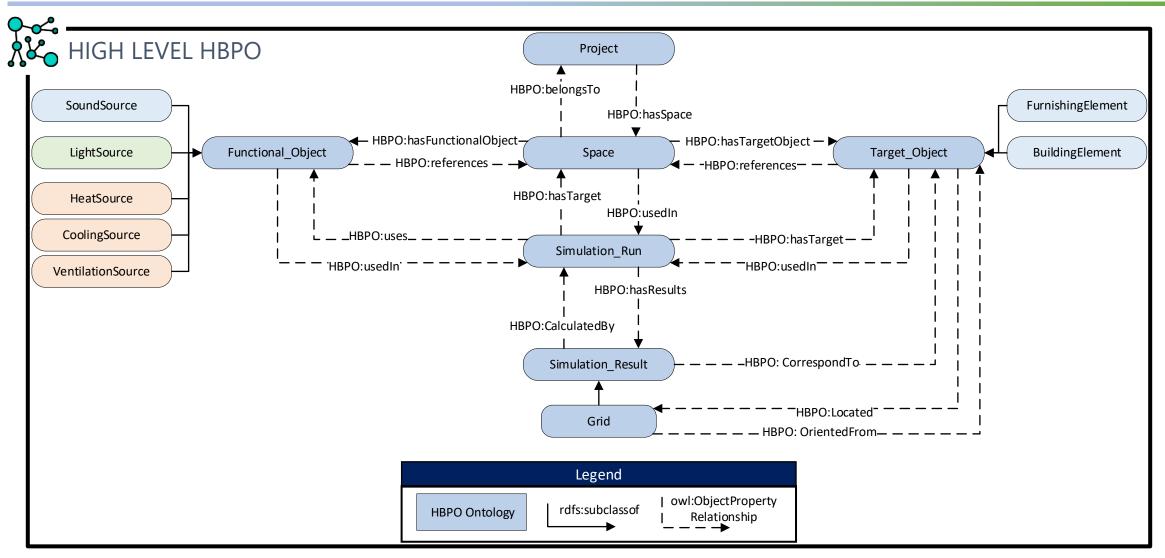




The BPM workflow in the novel paradigm suggests a holistic building performance ontology (HBPO) framework containing two semantic enrichment processes (Processes1-2) in cloud-based and knowledge graphdriven databases and management systems.

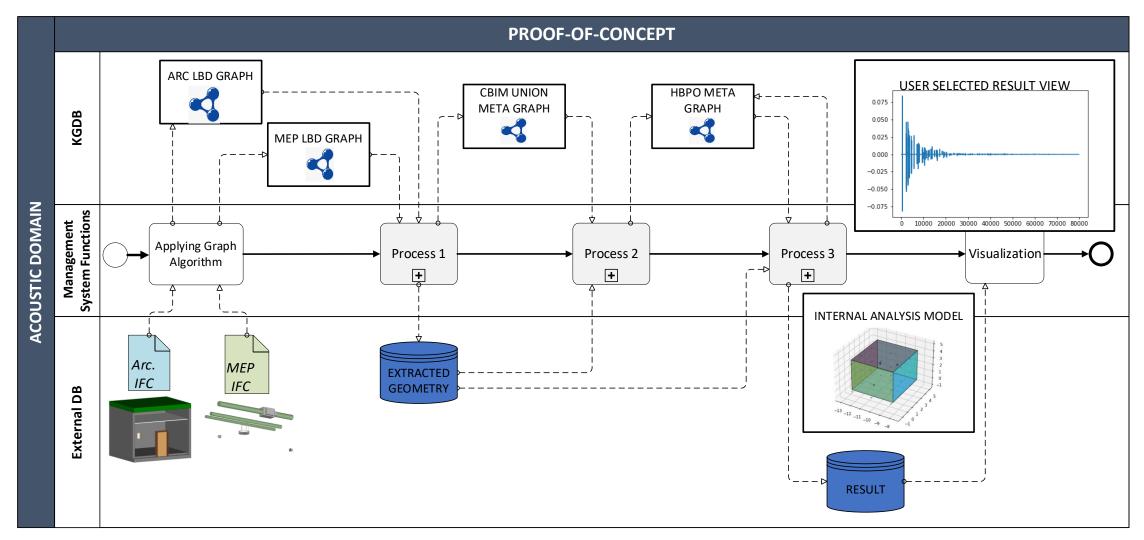


FINALIZED ACTIVITY





FINALIZED ACTIVITY





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RESEARCH PLAN & PROGRESS

	STATUS	METHODOLOGY STEPS	ACTIVITIES	MONTHS 1 2 3 4 5 6 7 8 9 10 11	S1 3 19 20 21 22 23	3 24 25 26 27 28 29	S2 S	-
FINALIZED ACTIVITY	X	1. Problem Identification	 Qualitative search to set sufficiently diverse performance domains 					
	X	2. Define Objectives	 Reverse engineering of software 					
	X	3. Design	 Generalized domain semantic contents and workflow 					
	X	4. Development	 Establish holistic building performance ontology (HBPO) 					
ONGOING ACTIVITY	X	5. Demonstration	 Reflect different performance intents through HBPO as being a new product model 					
	X	6. Evaluation & Validation	• Test feasibility of the established holistic ontology by preparing an alpha prototype software and performing a set of experiments	-				
	X	7. Communication	Disseminate the outcomes	-				