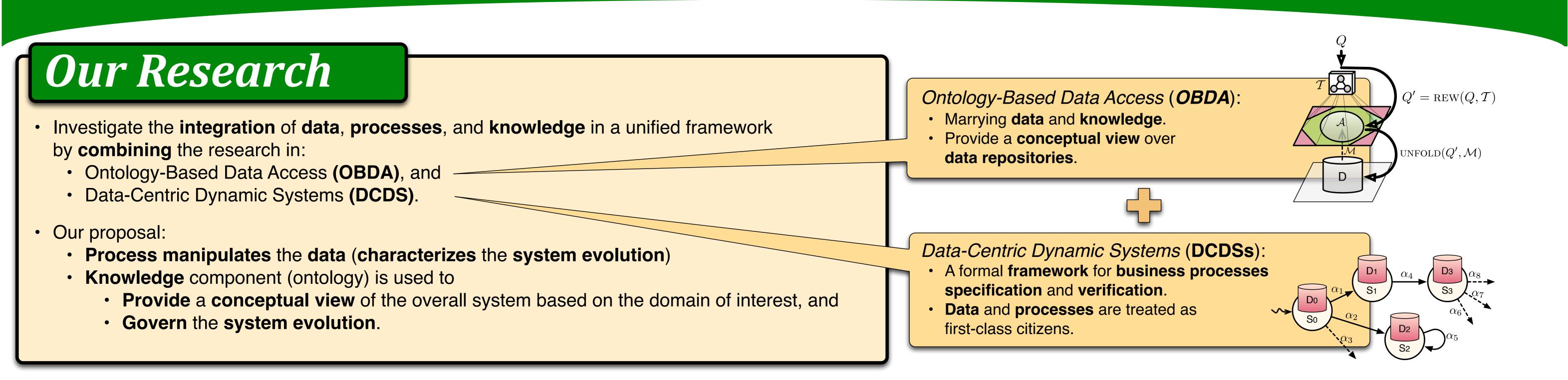
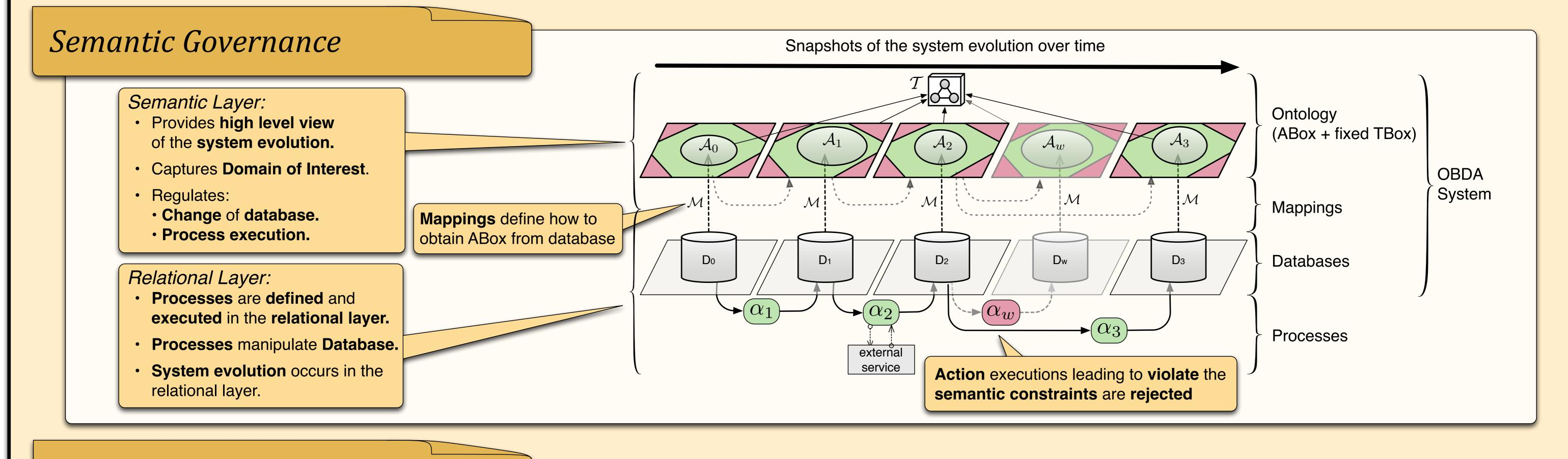
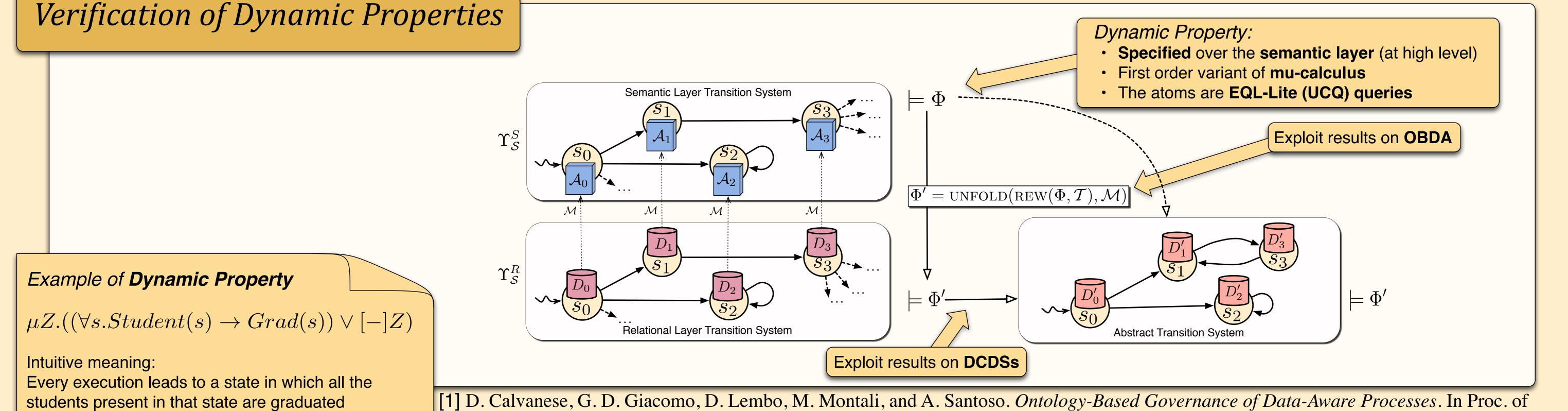
When Data, Processes, and Knowledge Meet Together

Ario Santoso Supervised by **Diego Calvanese** *Email*: {santoso, calvanese}@inf.unibz.it



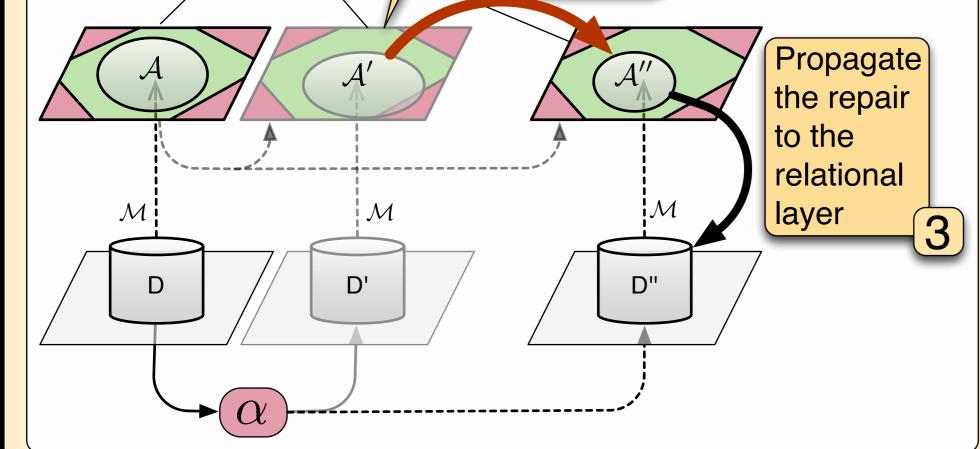
Semantically-Governed Data-Aware Processes (SGDAP) [1]

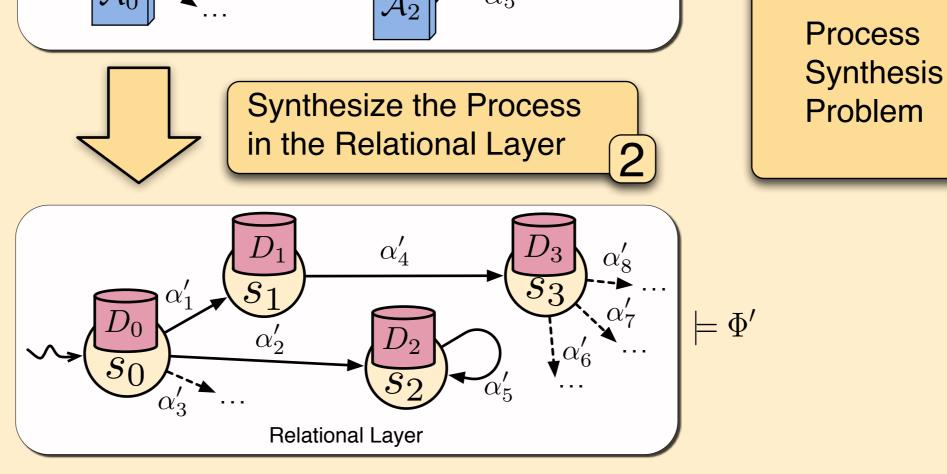




the 6th International Conference on Web Reasoning and Rule Systems (RR 12). LNCS, vol. 7497, pp. 25-41 (2012).

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I	What's Next?	Investigate Variation Other Research Directions	
l	Dealing with Inconsistency (Repair-based Semantics)	of the Framework 1 Process is specified at high level over the semantic layer • Accommodating updates over the	
I	(Inconsistency 1)	Semantic Layer α_8 , S_1 α_4 S_3 α_7 α	
I	T Repair 2	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
		$\mathcal{A}_0 \wedge \mathcal{A}_3 \wedge \mathcal{A}_5$ quantitative requirements.	





- High level specification compliance.
- Petri Nets for data-aware process formalism.
 - Verification of temporal properties over data-aware processes that are formalized using Petri Nets.
- Fine-grained analysis of computational complexity.
- Taking into account requirements from real world use cases.

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