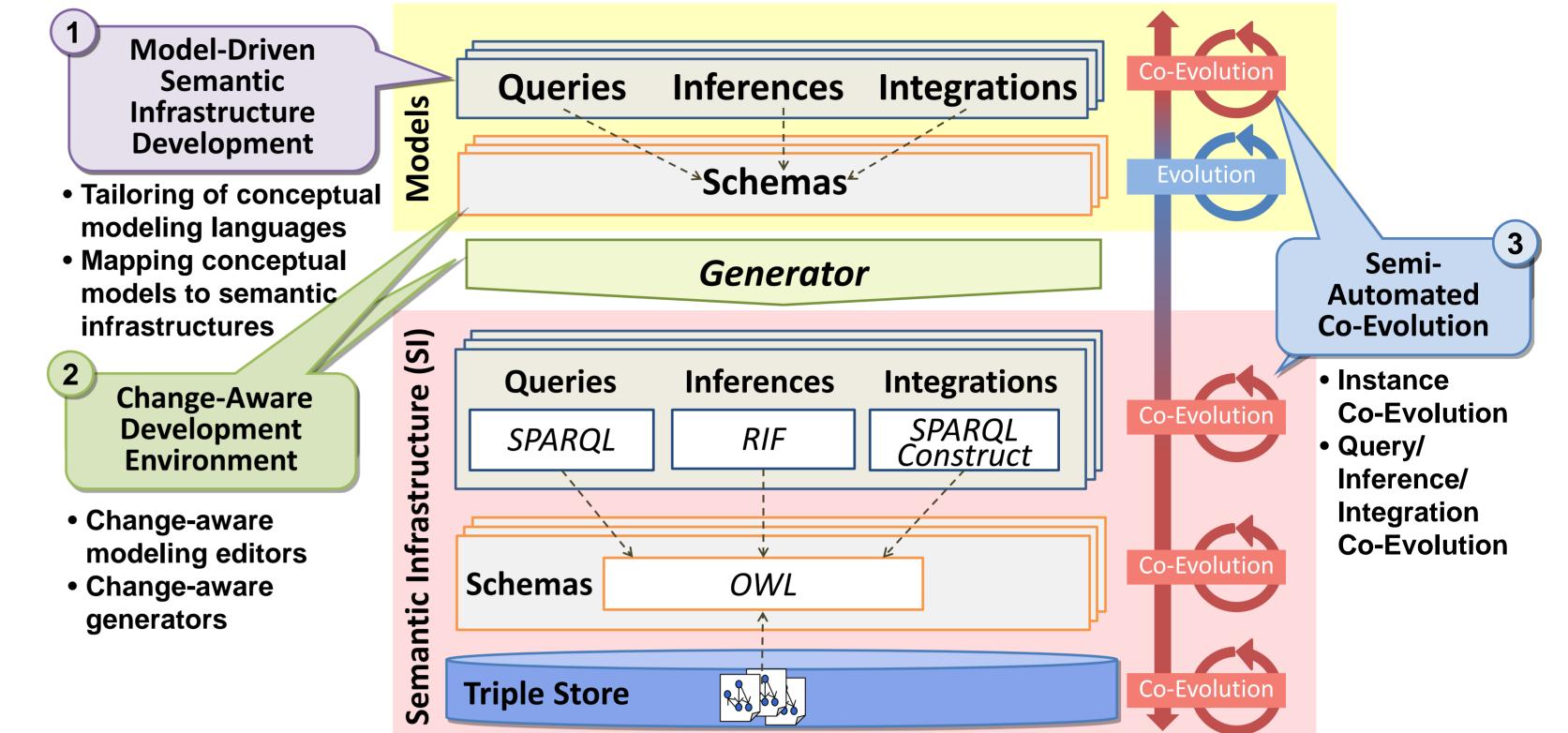


Model-Driven Development and Evolution of Semantic Infrastructures

Problems & Goals

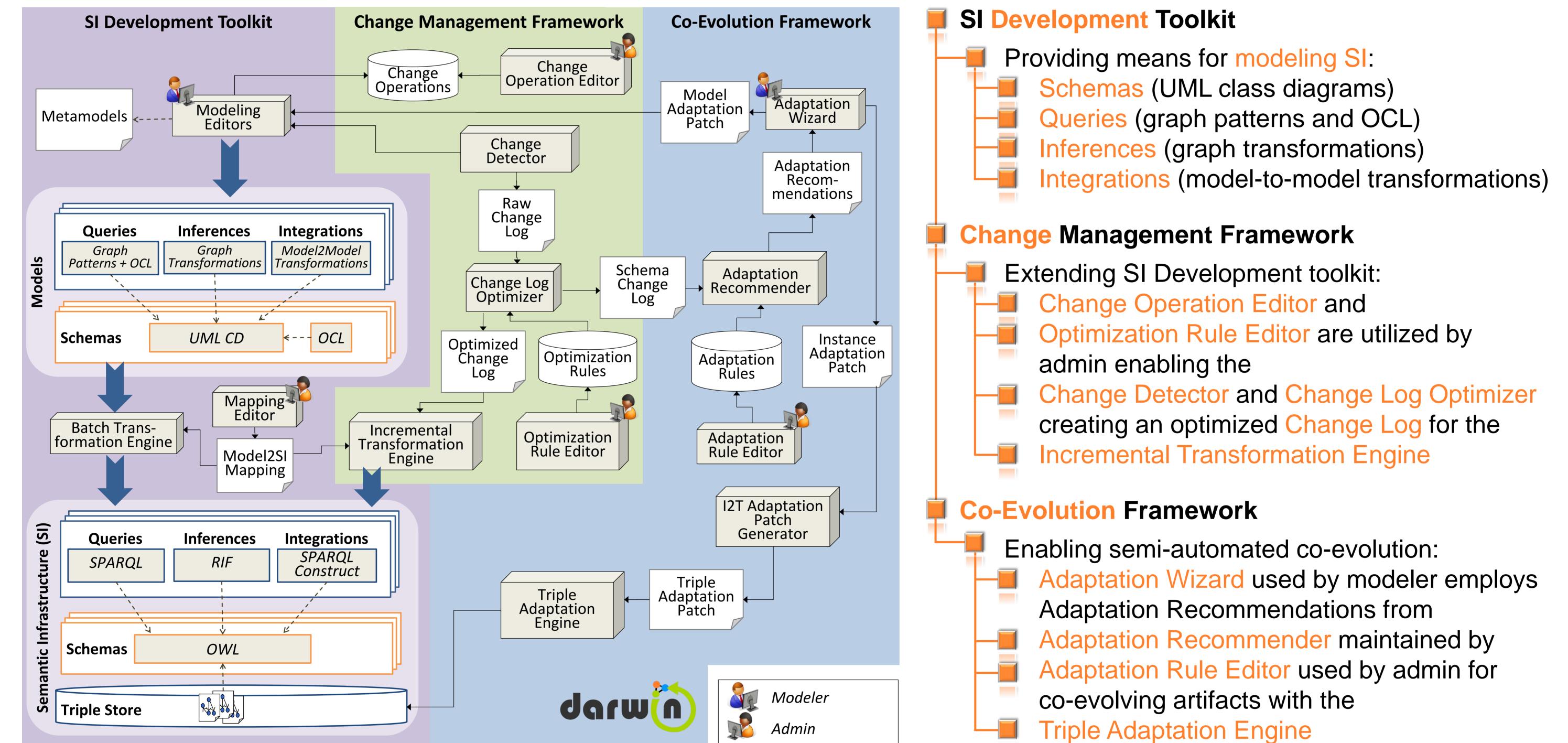
- **Problems** in **Semantic Infrastructure (SI) Development** and **Evolution**:
 - Inadequate Abstraction Mechanisms Change-Agnostic **Development Editors** Limited Co-Evolution Support
- **Goal** is to provide an **Extensible Framework** by: Basing on Model-Driven Semantic Infrastructure



Development

Enabling a Change-Aware Development Environment Supporting Semi-Automated Co-Evolution

Approach



Evaluation

- **Case-Study-Based** evaluation of **SI Development Toolkit**
 - Modeling reference applications of demonstrators

Experimental evaluation of **Incremental Generation**

Propagating changes from external Model Mutation Framework to SI with Incremental Transformation Engine

Partners



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www.model-evolution.net