For smart cities, information from different data sources must be integrated into a common digital archive. DIMMER is a distributed software infrastructure for information modeling and energy management that correlates such information with user behavior patterns and feedback.

Manufacturing technologies must be highly adaptable and responsive. Smart, agent-based systems empowered by semantic technologies can fulfill this need. The authors’ ontology-based smart production system is based on the use of agents.

Polyglot persistence is the amalgamation of different databases within an application. Healthcare information systems (HISs) are multifarious and are best implemented using multiple data stores. The authors’ PolyglotHIS provides an effective solution for managing healthcare data.
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