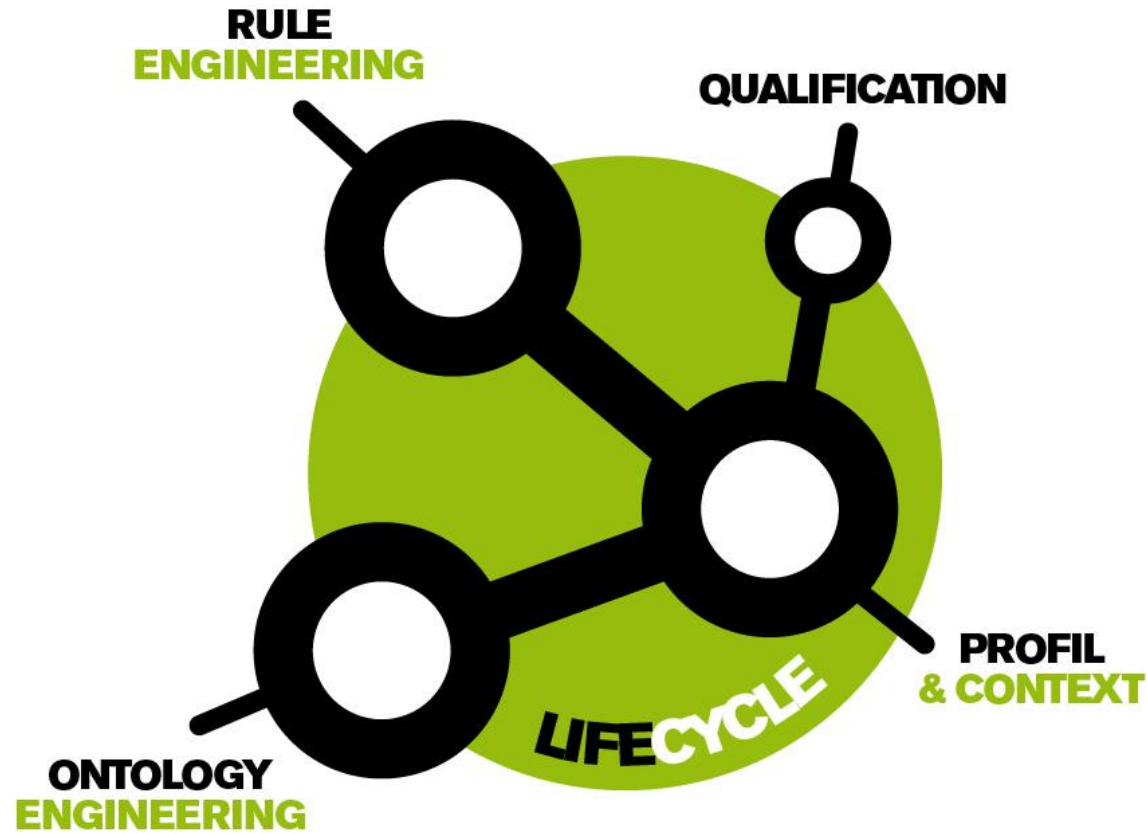




# CHECKSEM

SEMANTIC INTELLIGENCE RESEARCH

Semantic BIM

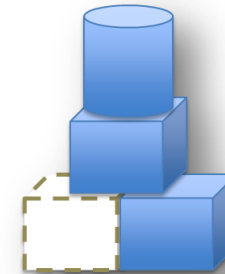
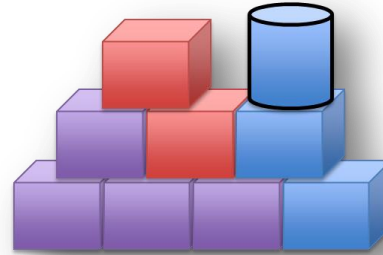
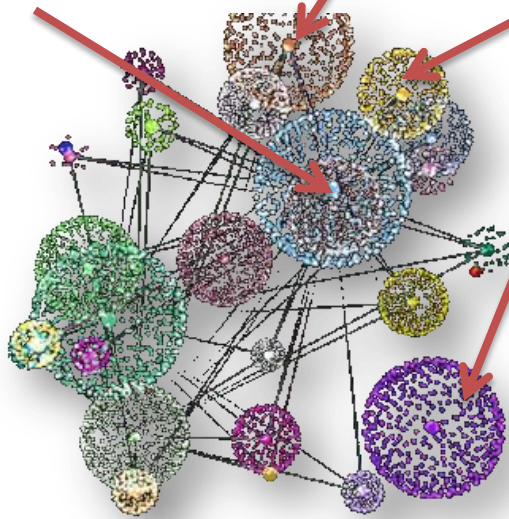


IFC2x3  
inspired  
Ontology

Regulation

Access rights

Business data



Modular  
Ontologies

New building  
objects definition

Contextual extraction of  
building objects

OWL DL

SWRL

SPARQL

## Leader of the technical property management on public procurement



9 Millions of m<sup>2</sup> bâtis  
8 000 sites-ville  
1 200 users



55 Millions of m<sup>2</sup> of  
buildings  
5 300 immeubles  
2 600 users



800 000 m<sup>2</sup> of buildings  
154 sites - 780 buildings  
20 geographical sectors

**70 millions of m<sup>2</sup> of building**  
modeled with ontologies



**20 millions smart building**  
**objects** with their own behavior

**500,000 energy meter** reading data  
representing **72 million of daily**  
**consumption**





# CHECKSEM

SEMANTIC INTELLIGENCE RESEARCH

Semantic BIM