

CPS EAGER: Intelligent Agent Incident Command System (ICS) Augmentation - #1528550



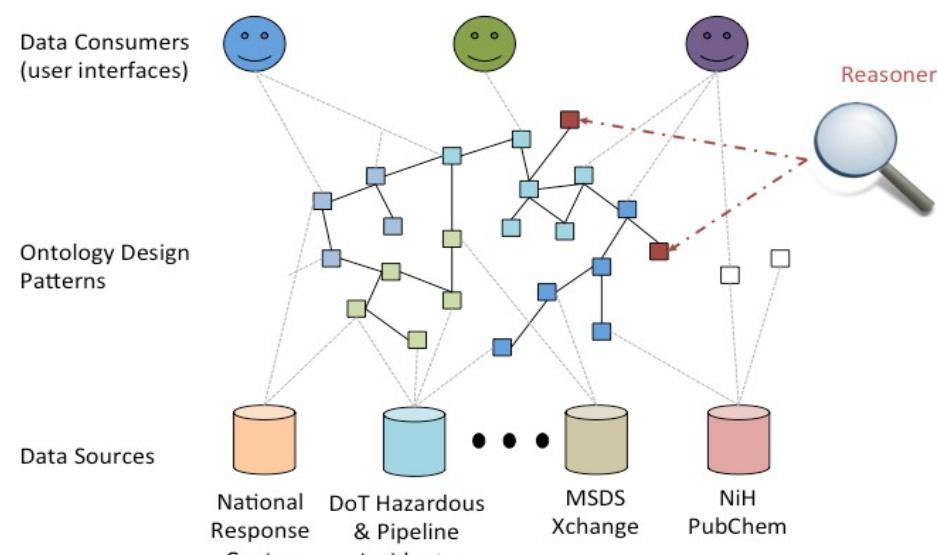
Wright State University

Research Contributions

ICS

Limiting span-of-control protects against cognitive overload and mental fatigue, but it **also limits span-of-knowledge** w.r.t complex feedback loops that involve causes and effects separated by more than one level of hierarchy

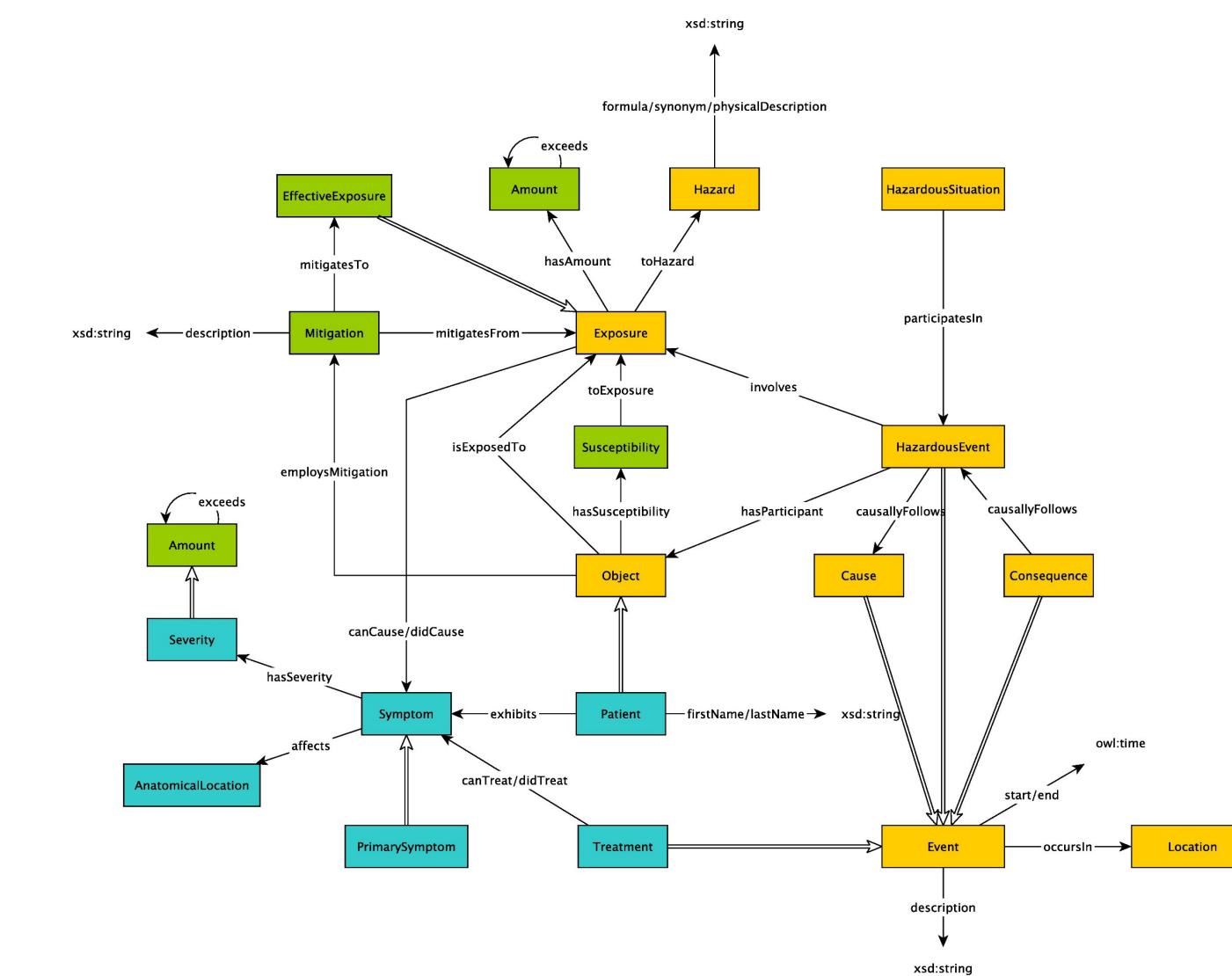
Knowledge Architecture



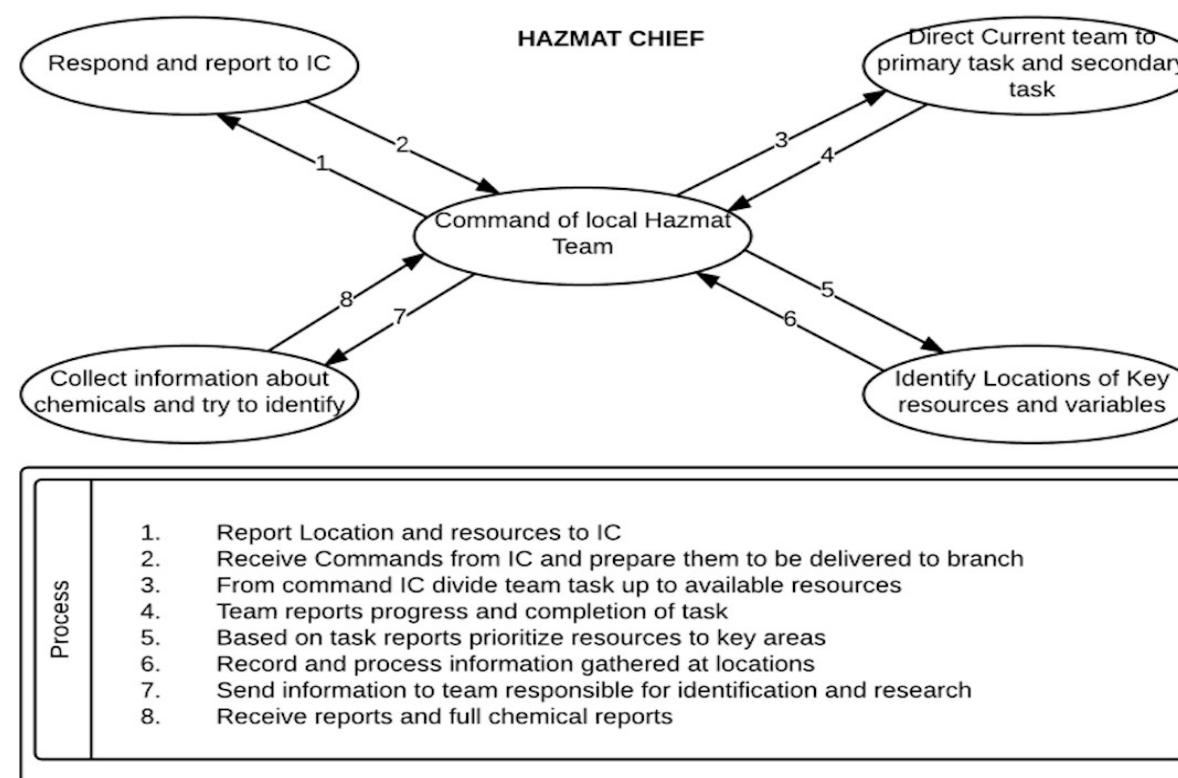
HSEEP Activities



ICS Ontology



OFM Model¹



- Mental processes of a Hazmat Chief using operator function model
- Comprises operator control functions to solve the decision problems.