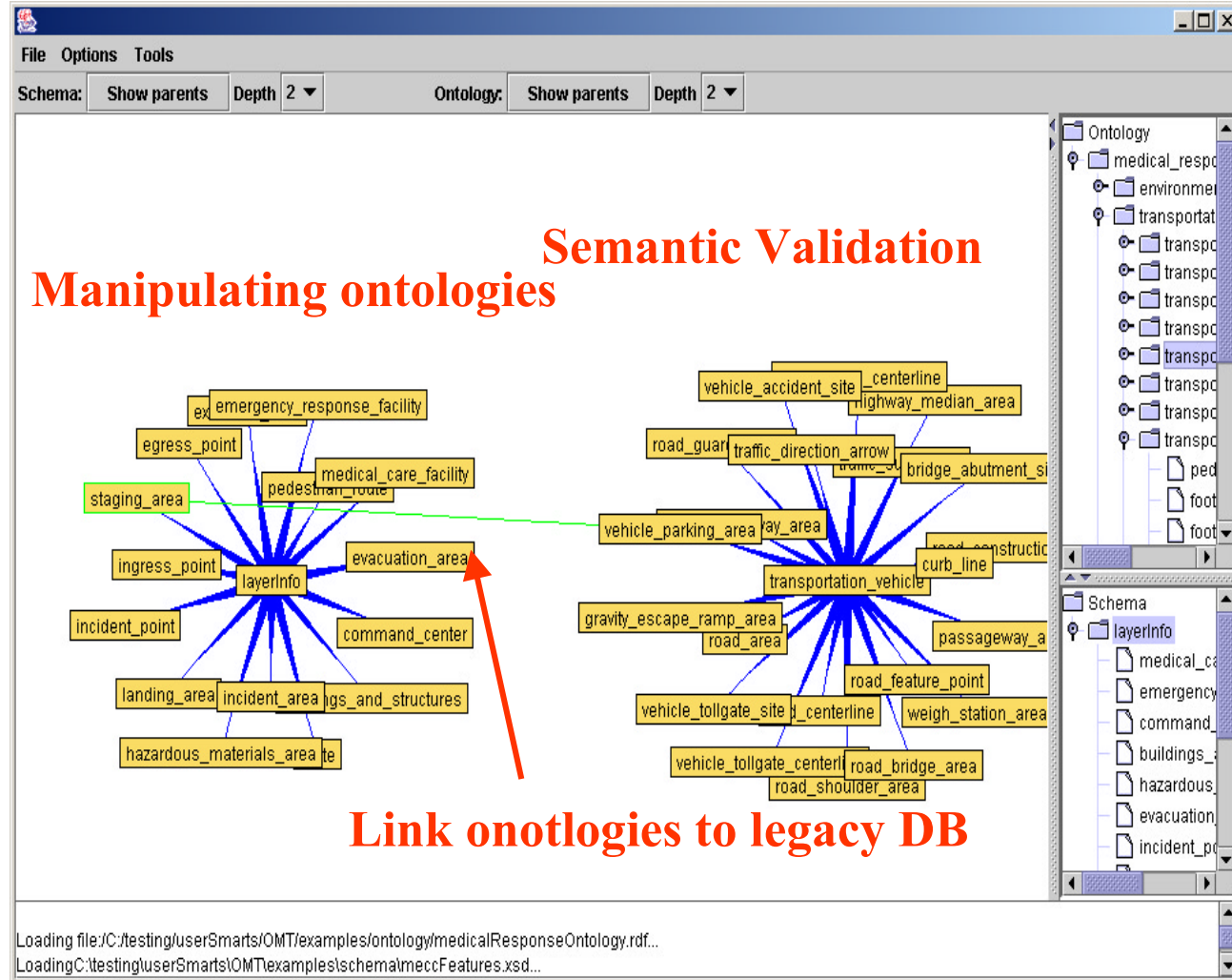


Ontology Manipulation Toolkit

- Visualize the structure of both schema and ontology
- Assign explicit semantics to schema elements
- Validate logical consistency of mappings
- Highlight recommended mappings
- Supports standard encodings of schema and ontology



The screenshot shows the Ontology Manipulation Toolkit interface. At the top, there are menu options: File, Options, Tools. Below that, there are controls for 'Schema: Show parents Depth 2' and 'Ontology: Show parents Depth 2'. The main workspace displays two ontology graphs. The left graph is centered on 'layerInfo' and includes nodes like 'emergency_response_facility', 'egress_point', 'staging_area', 'ingress_point', 'incident_point', 'landing_area', 'hazardous_materials_area', 'evacuation_area', 'command_center', 'incident_area', and 'hgs_and_structures'. The right graph is centered on 'transportation_vehicle' and includes nodes like 'vehicle_accident_site_centerline', 'highway_median_area', 'road_guardrail', 'traffic_direction_arrow', 'bridge_abutment_si', 'vehicle_parking_area', 'lay_area', 'gravity_escape_ramp_area', 'road_area', 'vehicle_tollgate_site_centerline', 'road_bridge_area', 'road_shoulder_area', 'curb_line', 'road_construction', 'passageway_a', and 'weigh_station_area'. A green line connects 'staging_area' in the left graph to 'lay_area' in the right graph. A red arrow points from the text 'Link ontologies to legacy DB' to the 'evacuation_area' node in the left graph. On the right side, there is a 'Schema' tree showing a hierarchy: 'layerInfo' containing 'medical_c...', 'emergency...', 'command...', 'buildings...', 'hazardous...', 'evacuation...', and 'incident_p...'. The status bar at the bottom shows: 'Loading file:/C:/testing/userSmarts/OMT/examples/ontology/medicalResponseOntology.rdf...' and 'LoadingC:/testing/userSmarts/OMT/examples/schema/meccFeatures.xsd...'.

Semantic Validation

Manipulating ontologies

Link ontologies to legacy DB