Diagram of plugin:

General structure of plugin:

Input spatial analysis output

Based on several user requirements:

- (1) Level of damage
- (2) Blocked roads
- (3) Special locations
- (4) Fire station and hospital assignments

The more detailed processing diagram is:

Input data

- hazard layer (weather condition)
- exposure layer
- (other information like tables)

Processing (spatial analysis)

- Model (between weather condition and damage level)
- Overlay (highlighted special locations & blocked roads)
- Neighborhood analysis (assign closest fire station & hospital to each damaged place)

Output data

- Maps with damaged areas, highlighted locations and shortest paths
- Statistic tables , charts or graphs