

Workflows 1 and 3: Classical PSHA and Disaggregation

Workflow 2: Event-based PSHA

Workflow 4: scenario-based hazard

Seismic Hazard Analysis Input

- Seismic sources logic tree
- Ground motion logic tree

Logic Trees
Descriptions

Logic Tree processor

Ground motion models

Ruptures generator

Classic Probabilistic Seismic
Hazard calculator

or

Disaggregation calculator

Ground motion models

Ruptures generator

Stochastic event set
calculator

Ground motion field
calculator

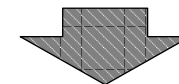
Event-based Probabilistic
Seismic Hazard Calculator

Ground motion models

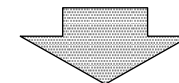
Single Rupture

Ground motion field
calculator

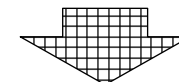
Legend:



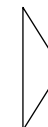
Seismic sources description



Set of ruptures



Set of ground motion fields



Output information used by
the OQ-engine risk
calculators