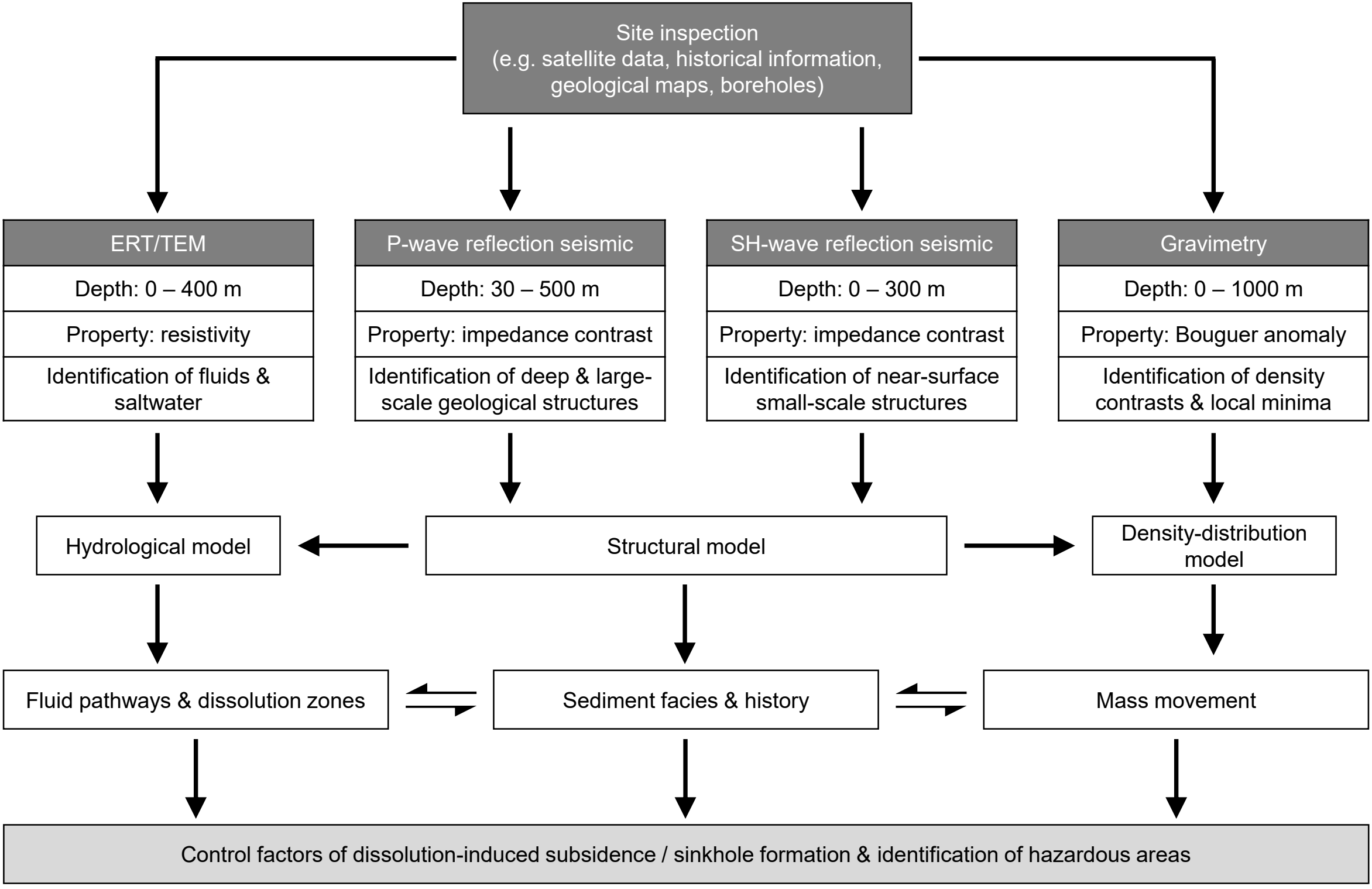
Site inspection
(e.g. satellite data, historical information, geological maps, boreholes)
ERT/TEM
Depth: 0 – 400 m
Property: resistivity
Identification of fluids & saltwater
P-wave reflection seismic
Depth: 30 – 500 m
Property: impedance contrast
Identification of deep & large-scale geological structures
SH-wave reflection seismic
Depth: 0 – 300 m
Property: impedance contrast
Identification of near-surface small-scale structures
Gravimetry
Depth: 0 – 1000 m
Property: Bouguer anomaly
Identification of density contrasts & local minima
Hydrological model
Structural model
Density-distribution model
Fluid pathways & dissolution zones
Sediment facies & history
Mass movement
Control factors of dissolution-induced subsidence / sinkhole formation & identification of hazardous areas