

























Movement Category	Spatial variation	Temporal variation	Parcels distorted	Follow movement	Spatial model
Tectonic deformation	Continuous - broad scale	Continuous - near linear	No	Yes	Datum deformation model
Earthquake - remote	Continuous - broad scale	Instantaneous + post-seismic	No	Yes	Deformation patch
Earthquake - near field	Continuous	Instantaneous + post-seismic	Near linear (affine)	Yes	Deformation patch
Earthquake - rupture zone	Discontinuous	Instantaneous + post-seismic	Non linear	Yes?	Interpolate across rupture, resurvey
Landslip / Rockfall	Discontinuous	Instantaneous	No	No	Not modelled
Liquefaction	Generally discontinuous	Instantaneous	No?	No?	Not modelled
Natural boundary avulsion	Continuous but localised	Instantaneous	No	No	Not modelled

