











USQuake Innovations relative to USGS

USQUAKE 1997 V 2.x	2005 V 3.x	2010 v3.15 & beyo	nd	
USGS 1996 + Innovations •Reviewed by CGS/USGS •3 D Modeling •Time Dependent Hazard (WGCEP 1988-1995)	USGS 2002/03 + Innova •Reviewed by CGS/USG: •3 D Modeling •Reviewed by PEER •Time Dependent Hazard •Remove Hazard Bias •Detailed NMSZ Flt. Mod •Earthquake Clustering	USGS 2008/09 + Innova •Reviewed by CGS/USC •3 D Modeling •Reviewed by PEER •Time Dependent Hazar •NGA relationships •NMSZ Faults + Clusteri •Soil-Based Attenuation	USGS 2008/09 + Innovations •Reviewed by CGS/USGS •3 D Modeling •Reviewed by PEER •Time Dependent Hazard •NGA relationships •NMSZ Faults + Clustering •Soil-Based Attenuation: all US	
USGS 1996	2002/03	2008/09	2013	
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