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Supplement of

Approach for combining fault and area sources in seismic hazard assessment: application in south-eastern Spain

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Supplement

Faults and fault segments included in seismic hazard calculations. L: length, Zmin, minimum depth, Zmax: maximum depth

ID	Fault and fault segment name	Strike (°)	Dip (°)	Rate (°)	L (km)	Zmin (km)	Zmax (km)	Slip rate (mm/año)
ES601	Crevillente (Sector Murcia) (1/3)	252	90	0	30	0	15	0.100
ES602	Crevillente (Sector Murcia) (2/3)	243	90	0	44	0	15	0.100
ES603	Crevillente (Sector Murcia) (3/3)	253	90	0	18	0	15	0.100
ES604	Crevillente (Sector Alicante) (1/2)	250	90	0	30	0	15	0.070
ES605	Jumilla (Sector Murcia) (1/3)	53	90	0	35	0	11	0.010
ES606	Jumilla (Sector Murcia) (2/3)	57	90	0	30	0	11	0.010
ES607	Jumilla (Sector Murcia) (3/3)	51	90	0	15	0	11	0.050
ES608	Jumilla (Sector Valencia) (2/2)	65	90	0	35	0	15	0.050
ES609	Palomares (1/2)	14	90	0	45	0	8	0.040
ES610	Palomares (2/2)	37	90	0	30	0	8	0.050
ES611	Corredor de Las Alpujarras	84	90	0	50	0	12	0.050
ES612	Las Moreras - Esc. M(1/3)	104	90	0	15	0	8	0.050
ES613	Las Moreras - Esc. M(2/3)	102	90	0	30	0	8	0.050
ES614	Las Moreras - Esc. M(3/3)	79	90	0	50	0	8	0.050
ES615	Carrascoy	56	90	20	32	0	12	0.540
ES616	Torre vieja	308	90	0	15	0	12	0.075
ES617	San Miguel de Salinas	304	90	0	30	0	12	0.300
ES618	Bajo Segura (1/3)	83	60	0	9	1	12	0.350
ES619	Bajo Segura (2/3)	84	60	0	9	1	12	0.230
ES620	Bajo Segura (3/3)	77	60	0	8	1	12	0.120
ES622	Muro de Alcoy (o de Mariola)	335	60	-90	6	0	15	0.200
ES624	Benasau	300	60	-90	5	0	15	0.200
ES625	Alhama Sur	67	80	0	25	0	8	0.050
ES626	Alhama de Murcia (1/4)	215	70	20	28	0	12	0.500
ES627	Alhama de Murcia (2/4)	238	90	18	20	0	12	0.300
ES629	Alhama de Murcia (4/4)	225	90	0	25	0	12	0.070
ES630	Carboneras (1/2)	48	90	10	111	0	11	1.101
ES631	Amarguillo	16	90	90	8	0	8	0.100
ES632	Las Viñas	285	80	70	6	0	5	0.400
ES634	Jumilla (Sector Valencia) (1/2)	60	90	0	40	0	15	0.050
ES635	Falla de Polopos (1/2)	85	75	0	13	5	10	0.050
ES636	Falla de Polopos (2/2)	95	80	0	12	5	10	0.071
ES637	Borde NO de Sierra Arana	202	60	-90	7	0	10	0.120
ES638	Norte de Cubillas	72	50	-90	9	0	5	0.060
ES639	E de Cubillas	153	50	-90	5	0	3	0.080
ES640	Oeste de Cubillas	332	60	-90	5	0	4	0.150
ES641	Obéilar - Pinos Puente	80	75	0	8	0	10	0.500
ES643	Tocón-Obéilar	79	45	-90	9	0	3	0.100
ES644	Alitaje	144	50	-90	6	0	5	0.100
ES646	Pinos Puente	140	60	-90	9	0	10	0.400
ES648	Pedro Ruiz	151	50	-90	6	0	5	0.100
ES650	Daimuz Bajo	149	60	-90	7	0	3	0.080
ES651	Atarfe	134	60	-90	10	0	10	0.150
ES653	El Fargue-Jun	138	60	-90	12	0	10	0.350
ES655	Escóznar	330	60	-90	10	0	3	0.100
ES656	Santa Fe	326	60	-90	13	0	10	0.200
ES658	Granada	150	60	-90	17	0	10	0.380
ES660	Belicena-Alhendín	326	60	-90	10	0	5	0.200
ES662	Huenes	212	65	0	5	0	10	0.250
ES663	Canales	233	80	0	8	0	10	0.080
ES664	Dílar	140	60	-90	8	0	10	0.330
ES666	Padul	134	55	-90	15	0	5	0.350
ES668	Norte del Silleta	268	60	-90	8	0	5	0.040

ID	Fault and fault segment name	Strike (°)	Dip (°)	Rate (°)	L (km)	Zmin (km)	Zmax (km)	Slip rate (mm/año)
ES669	Padul-Dúrcal	130	50	-90	13	0	5	0.350
ES671	Escúzar	268	60	-90	16	0	5	0.030
ES672	Noroeste de Játar	322	60	-90	9	0	5	0.080
ES673	Norte de Sierra Tejada	282	75	0	23	0	10	0.125
ES674	Tablate	201	60	0	5	0	5	0.080
ES675	Albuñuelas	278	50	-90	10	0	5	0.140
ES677	Béznar-Izbor	328	70	-90	6	0	5	0.080
ES678	Lanjarón	88	90	0	7	0	10	0.300
ES679	Vélez de Benaudalla	218	30	0	6	0	3	0.150
ES680	Norte de Sierra de Lújar	90	90	0	9	0	10	0.150
ES681	Ventas de Zafarraya	282	60	-102	23	0	15	0.350
ES682	Galera	228	50	0	25	0	5	0.160
ES684	Botardo-Alfahuara	114	90	180	22	0	5	0.030
ES686	Baza	341	65	-90	37	0	10	0.330
ES695	Zamborino	148	65	-90	24	0	5	0.160
ES699	Graena	321	70	-90	5	0	5	0.070
ES716	Albox	255	50	110	10	0	10	0.020
ES717	El Acebuchal	37	90	0	9	0	8	0.050
ES718	Los Alamillos	230	90	0	7	0	8	0.050
ES719	El Carrascal	4	90	0	5	0	8	0.010
ES720	Sierra de las Nieves	18	90	0	11	0	11	0.032
ES721	La Robla	28	90	0	12	0	11	0.021
ES722	Campanillas	216	90	0	8	0	11	0.019
ES723	Cartama	70	10	0	6	0.5	2.5	0.050
ES724	Mijas	80	60	0	19	2.5	13	0.081
ES725	Villafranco de Guadalhorce	70	10	0	7	0.5	2.5	0.050
ES728	Socovos (1/2)	295	85	180	40	0	15	0.040
ES729	Socovos (2/2)	272	75	135	36	0	15	0.040
ES730	Pozohondo	135	75	-120	11	0	11	0.103
ES732	Lietor (1/2)	126	85	-140	21	1	15	0.100
ES733	Lietor (2/2)	92	85	-140	19	1	15	0.100
ES736	E de Guadix	142	90	-90	11	0	5	0.020
ES738	Suroeste del Negratín	226	60	-90	3	0	5	0.150
ES739	Oeste del Negratín	180	70	-90	8	0	5	0.020
ES740	Hijate	134	60	-90	6	0	5	0.040
ME005	Cabo de Cullera. Falla Occidental	327	60	-90	28	1.5	15	0.030
ME006	Cabo de Cullera. Falla Central-Occidental	331	60	-90	25	1.5	15	0.030
ME007	Cabo de Cullera. Falla Central-Oriental	197	60	-90	48	1.5	15	0.020
ME008	Cabo de Cullera. Falla Oriental	188	60	-90	16	1.5	15	0.020
ME009	Suroeste de Cuenca de Columbretas	335	60	-90	10	1.5	15	0.020
ME015	Carboneras (2/2)	58	90	0	36	0	11	0.040
ME021	Bajo Segura segmento marino	81	60	0	30	1	12	0.120