

Appendix - Summary description of geological effects surveyed by ISPRA

ISPRA Code	Location	Type of effect	Details
ISP-AQ1	Fossa, strada comunale dei Frati	Rockfall	Several huge blocks (Lmax > 1m). Local road is interrupted. Some blocks have reached the village of Fossa, destroying some cars and a garage.
ISP-AQ2	Fossa	Fracture	Cracks in asphalt road (mean location)
ISP-AQ3	Road Monticchio-Onna	Fracture	Failure along the embankment of the Aterno bridge (length ca. 100 m., max lowering = 20 cm)
ISP-AQ4	Road Monticchio-Onna	Fracture	Several cracks in asphalt road (width of the site: some tens of meters)
ISP-AQ5	Road Monticchio-Onna	Fracture	System of ground cracks (width = 20 cm; depth: 60-80 cm; length: about 150 cm on the embankment of the Aterno bridge).
ISP-AQ6	Road to Bazzano	Slope movement	Cracks in asphalt road and in the ground (width = 3-5 cm; length: about 10 m). Further surveys noted significant increase in length and width.
ISP-AQ7	Road Paganica-Camarda	Rockfall	Several blocks fallen on the road (Lmax up to 50-70 cm) either before and after the tunnel near the church of Madonna d'Appari'
ISP-AQ8	Road SS 17 - San Venanzo Gorges	Rockfall	Several limestone blocks (Lmax generally < 1 m) fallen on the road
ISP-AQ9	Road SS17, km 9.4	Rockfall	Some blocks (Lmax occasionally > 1 m)
ISP-AQ10	San Demetrio ne' Vestini, Lake Sinizzo	Ground failure	Several ground failures all around the lake. Maximum widths: about 1 m. Lowering: up to 1 m. Remarkable post seismic evolution. Instrumental monitoring.
ISP-AQ11	Tempera, località Fontanelle	Hydrological anomaly	Drying up of water springs / changes in water discharge
ISP-AQ12	Tempera, località Fontanelle	Fracture	About 20 parallel cracks in unpaved roads. Site width = 200 m. Average trend: N300°. Millimetric width.
ISP-AQ13	Viaduct Villebasse Highway A24 km 109,3	Slope movement	Small landslide of the embankment. Main scarp length: about 20 m; lowering up to 40 cm.
ISP-AQ14	Paganica, near Monastery Clarisse	Fracture	Set of aligned fractures in paved as well as in unpaved roads and one in the ground (trend N290-320; millimetric width; length of each fracture in the order of some meter).
ISP-AQ15	Road Paganica-Pescomaggiore	Rockfall	Small rockfall in limestone (Lmax = 20-30 cm)
ISP-AQ16	Road San Demetrio-Sannicandro	Rockfall	Small rockfalls in conglomerates (Lmax = 20-30 cm)
ISP-AQ17	San Demetrio ne' Vestini, lago Sinizzo	Rockfall	Rockfalls in limestone
ISP-AQ18	San Demetrio ne' Vestini, lago Sinizzo	Rockfall	Rockfalls in limestone
ISP-AQ19	San Benedetto, lago S. Raniero	Fracture	Ground crack (width: 3-5 cm)
ISP-AQ20	San Benedetto, lago S. Raniero	Rockfall	Rockfalls in limestone
ISP-AQ21	San Potito, SS 696, km 39.600	Rockfall	Huge block in limestone (volume = 4.5 m3). Traces of falling are very clear. Unstable front at the top of cliff (about 30 m in length).

ISP-AQ22	San Potito, ss 696, km 38.550	Rockfall	Fallen boulders reached the road (Lmax > 1 m). Still several unstable blocks on the slope
ISP-AQ23	SS 696, km 37.200	Rockfall	Rockfall in limestone (Lmax fino a 1m)
ISP-AQ24	SS 696	Rockfall	Rockfall in sandstones (Lmax up to 80 cm)
ISP-AQ25	Road SP 38 after Terranera	Rockfall	Rockfall in limestone (Lmax up to 50 cm)
ISP-AQ26	Road SP 38 after Terranera	Rockfall	Rockfall in limestone (Lmax up to 50 cm)
ISP-AQ27	Road SP 38	Rockfall	Several blocks. Volume in the order of 6-7 m3.
ISP-AQ28	Road SP 38	Rockfall	Several blocks in limestone (Lmax > 1m). Length of the site: about 300 m
ISP-AQ29	Road SP 38	Rockfall	Several blocks in limestone (Lmax > 1,5m).
ISP-AQ30	Road SP 38	Rockfall	Several blocks in limestone (Lmax > 1m).
ISP-AQ31	Road SP 38	Rockfall	Several blocks in limestone (Lmax > 1,5m).
ISP-AQ32	Road SP 38 before the junction for Avezzano	Rockfall	Several blocks in limestone (Lmax > 1m). Length of the site: about 100 m
ISP-AQ33	Arischia, loc. Lapacima, SS80, km 16.000-16.350	Slope movement	Several slides. Max lowering up to about 50 cm.
ISP-AQ34	Paganica, loc. La Cartiera	Fracture	2 aligned fractures, trending N130-140, width 2-5 cm. Length: 20 m and 5 m.
ISP-AQ35	Paganica, loc. San Gregorio	Fracture	Set of aligned fractures on paved roads and firm ground. Trend: N310; Length 15-20 m.
ISP-AQ36	Paganica, loc. San Gregorio	Fracture	Ground crack aligned with the previous ones, length: about 15 m, width: 1-2 cm. The Gran Sasso aqueduct was broken along this fracture. Remarkable post seismic evolution, showing significant increase in width and offset.
ISP-AQ37	Paganica, loc. San Gregorio	Fracture	Cracks in paved (concrete road N130, length: 15 m; width: 2-7 cm; Offset: 7-8 cm
ISP-AQ38	Paganica, loc. Pietralata	Fracture	Fracture in paved roads and in a wall, which shows about 3-4 cm of offset. Trend. N125°.
ISP-AQ39	Road Caporciano Opi, loc. Contrada Censone	Rockfall	Huge single block. About 60 m3.
ISP-AQ40	SS 696 km 39.600	Rockfall	One block. Volume about 1 m3.
ISP-AQ41	SS 5bis	Fracture	Fracture in paved road. Width: about 5 mm.
ISP-AQ42	SS 5bis	Fracture	Fracture in paved road. Width: about 3 mm.
ISP-AQ43	SS 5bis	Rockfall	Two blocks (volume > 1 m3)
ISP-AQ44	SS 5bis km 13.200	Fracture	Some fractures in paved roads. Width: 3 mm
ISP-AQ45	SS 584 loc. Casamaina	Rockfall	Single block (volume: about 1 m3)
ISP-AQ46	SS 584 loc. Casamaina	Rockfall	Two blocks (volume > 1 m3)
ISP-AQ47	Road toward Lucoli Alto	Rockfall	Diffuse rock falls
ISP-AQ48	loc. Piaggia	Rockfall	One single block (volume: about 2 m3).
ISP-AQ49	SS 615	Rockfall	Diffuse rock falls
ISP-AQ50	SS 615	Fracture	Fractures in paved roads
ISP-AQ51	Via Ponte Rasarolo	Fracture	Opened fractures. Length: some tens of meters.
ISP-AQ52	L'Aquila, Via S. Maria degli Angeli	Slope movement	A probable slope movement affected the area
ISP-AQ53	Campo Imperatore	Fracture	Millimetric fractures in the snow. Length: from some meters to over than 100 m.
ISP-AQ54	Road Santo Stefano - Campo Imperatore	Rockfall	Rockfalls in limestone

ISP-AQ55	Road Santo Stefano - Campo Imperatore	Rockfall	Rockfalls in limestone
ISP-AQ56	Road Santo Stefano - Campo Imperatore	Rockfall	Rockfalls in limestone
ISP-AQ57	Road Paganica - Camarda	Rockfall	Rockfalls in limestone
ISP-AQ58	Road Collebrincioni - L'Aquila	Fracture	Fracture in paved road and in the ground along a minor fault mirror. Max offset: 3 cm. Fault reactivation is doubtful
ISP-AQ59	Road Collebrincioni - Aragno	Rockfall	Numerous rock falls (Lmax about 1 m)
ISP-AQ60	Road Collebrincioni - L'Aquila	Fracture	Millimetric cracks in paved road. No offset.
ISP-AQ61	Road Collebrincioni - L'Aquila	Rockfall	Modest rock falls in limestone (Lmax = some decimeters)
ISP-AQ62	Road Collebrincioni - L'Aquila (km 5.4 - 5.6)	Rockfall	Modest rock falls in limestone (Lmax = some decimeters)
ISP-AQ63	Road Aragno - L'Aquila (Quarry)	Rockfall	Modest rock falls in limestone (Lmax = some decimeters)
ISP-AQ64	Road Aragno - L'Aquila (Quarry)	Fracture	Fractures on paved road. Max width: 3 cm. Local compression zones (asphalt uplifted)
ISP-AQ65	Road Aragno - San Giacomo (Vaccarelli quarry)	Slope movement	Gravity movements affecting the artificial fill in the south and western sides of the quarry.
ISP-AQ66	S. Giacomo	Rockfall	Rockfalls in limestone.
ISP-AQ67	Sant'Antimo (Tempera): Quarry "Inerti Aquilana"	Fracture	Fracture trending N315. Length: some tens of meters. It seems to continue along the quarry wall up to the surface.
ISP-AQ68	Road Tornimparte - Campo Felice	Rockfall	Limestone blocks. Lmax > 1 m. Numerous instable blocks.
ISP-AQ69	Roio Plain: First Canetra	Rockfall	Rockfall in limestone. Total volume: some tens of m ³ .
ISP-AQ70	Canetre Fault (Roio)	Free face	Free face constant in height: 1 cm. It affects rock-debris as well as rock-to-rock contacts. In some places it cuts also the ground. Total length: at least 1 km. Possible reactivation of the Canetre fault (main trend N310).
ISP-AQ71	Road to Bazzano	Slope movement	Slope failure. Main scarp longitudinal to a paved road. Total length: about 50 m. Width: up to 15 cm.
ISP-AQ72	NE slope of Mt. Bazzano	Rockfall	Numerous rockfalls. Some blocks have volumes > 1 m ³ . Max. volume: 10 m ³ .
ISP-AQ73	NE slope of Mt. Bazzano	Free face	Free face discontinuous in several segments, tens meters to hundreds of meters long. Height ranges from 2 to 8 cm. Only debris-rock contacts. Potential reactivation of the Bazzano fault (N310; dip to NE).
ISP-AQ73b	NE slope of Mt. Bazzano	Free face	Free face discontinuous in several segments, tens meters to hundreds of meters long. Height ranges from 2 to 8 cm. Only debris-rock contacts. Potential reactivation of the Bazzano fault (N310; dip to NE).
ISP-AQ74	Minor road at the base of Mt. Bazzano	Slope movement	Modest gravity movement shown by a ground crack longitudinal to the road
ISP-AQ75	Road leading to Bazzano	Slope movement	Gravity movement shown by a ground crack parallel to a paved road (width: 3-4 cm; length: 20 m).
ISP-AQ76	Tempera	Fracture	Set of fractures cutting the road. Main trend: N280-300. A significant post-seismic evolution is documented by the occurrence of new fractures and increase in width (0,5-2 cm).
ISP-AQ77	Cava Ciuffini (between Tempera and L'Aquila)	Fracture	Set of fractures crossing the road. Length: 3-4 m; Width: some millimeters. Strike N275.
ISP-AQ78	Cava Ciuffini, between Tempera and L'Aquila	Slope movement	Gravity movement shown by longitudinal cracks in paved road

ISP-AQ79	Road SR 17bis, Paganica-L'Aquila, km 7.300	Fracture	Set of fractures crossing the road. Max width: 5 mm; Strikes N330 and N355.
ISP-AQ80	Road SR 17bis, Paganica-L'Aquila, km 7.300	Slope movement	Gravity movement shown by a crack (width 2-5 cm; length: about 25 meters) longitudinal to the road. Lowering: about 2-6 cm; average strike N315.
ISP-AQ81	Tempera, loc. via Mulino	Fracture	Set of fractures crossing the road. Millimetric width. Strikes N310, N335, N340.
ISP-AQ82	Paganica	Fracture	The fracture previously surveyed (ISP-AQ 37) shows a remarkable post-seismic evolution pointed out by an increase of width and a clear lowering to the south.
ISP-AQ83	Paganica	Fracture	Fracture in conglomerates. strike N110, width: 2-4 cm.
ISP-AQ84	Paganica	Rockfall	Rockfall in conglomerates. Total volume: about 50 mc, Height of the scarp: 10-12 meters.
ISP-AQ85	Paganica	Fracture	A continue fracture affects roads, as well as buildings (causing the detachment between buildings and cellars). Width: about 10 cm; Lowering: up to 2-3 cm to the south; average trend: N120.
ISP-AQ86	Paganica	Slope movement	Gravity movements shown by a bending fracture. Width: about 0.5 cm; Length: about 15-20 meters.
ISP-AQ87	Paganica	Fracture	A continue fracture affects roads and buildings. strike N115; width 5-15 cm; lowering to the south: 10 cm; length: 30-40 meters
ISP-AQ88	Paganica	Rockfall	Rock fall in conglomerates. Scarp height: about 4-5 m. Volume: some tens of m3. Lmax = 1 m.
ISP-AQ89	Paganica	Fracture	2 fractures in concrete road. strike N120; Width: 1) 1-3 cm; 2) 0.5-1 cm.
ISP-AQ90	Paganica, Road to Assergi	Fracture	A set of fractures cutting the road. strike N120; 135; a post seismic evolution is shown by the occurrence of new fractures.
ISP-AQ91	Paganica	Fracture	Fracture crossing the road. Strike N300; width: 0,5-1,5 cm
ISP-AQ92	Bazzano, industrial area	Slope movement	Gravity movement (rotational) shown by fractures affects artificial reworked material. Width: from 20-70 cm. Trend: N40. Length: 15-20 m.
ISP-AQ93	Bazzano, industrial area	Liquefaction	small mud volcanoes made of limestone silt, washing material resulting from the activity of the quarry. Diameter: from 30 cm to 80 cm. Max height: 8-10 cm.
ISP-AQ94	Bazzano, industrial area	Fracture	W wall of a quarry. Strike N350; width: about 3 cm; length: 40 m.
ISP-AQ95	Bazzano, industrial area	Liquefaction	Many small mud volcanoes in an artificial basin filled of washing material resulting from the activity of the quarry.
ISP-AQ96	Paganica	Fracture	Set of fractures. Strike N310; Width: 2-7 mm.
ISP-AQ97	Paganica	Slope movement	Slope failure shown by a damaged concrete wall under increased water pressures induced by the seismic event.
ISP-AQ98	Paganica	Hydrological anomaly	increase in water discharge: 2 l/sec.
ISP-AQ99	Fossa, strada comunale dei Frati	Rockfall	Large rockfall in limestone (Lmax > 1m) ca. 150 meters south of main rockfall of Fossa. Two cars have been destroyed by the failed blocks.
ISP-AQ100	Fossa train station	Fracture	Fracture in artificial reworked material. Trend parallel to the road. Total length: about 100 m.
ISP-AQ101	Road to Fossa	Fracture	Fracture up to 1 cm wide, c.a. 100 m long, parallel to the road

ISP-AQ102	Road to Fossa	Fracture	fracture parallel to the road
ISP-AQ103	excavation NE Onna	Fracture	Fracture 10 m long, 0.5-1.5 cm wide. Strike N40W and N70W
ISP-AQ104	excavation NE Onna	Fracture	fracture 5 m long, 0.5-0.7 cm wide. Strike N5W
ISP-AQ105	excavation NE Onna	Fracture	3 en echelon fractures; Strike N45W; 0.5-1.0 cm wide
ISP-AQ106	excavation NE Onna	Fracture	Strike N75W; circa 1 cm wide
ISP-AQ107	excavation NE Onna	Fracture	Strike circa E-W; 0,5-2,0 cm wide.
ISP-AQ108	excavation NE Onna	Slope movement	slide in fill material. Volume ca. 4 mc
ISP-AQ109	excavation NE Onna	Fracture	old fractures filled-up by soil, related to previous earthquakes
ISP-AQ110	excavation E Paganica acqueduct	Fracture	open fractures; Strike N70W; width up to 6-7 cm; downthrow toward S: 8 cm c.a.; length 25 m c.a.
ISP-AQ111	excavation NW Paganica historical center	Fracture	3 main fractures: 1) Strike N60W, 8 m long, width up to 1 cm; 2) Strike N30W, 12 m long, up to 1.5 cm wide; 3) Strike N50W, c.a. 2 m long, up to 4 cm wide; downthrow 1 cm c.a. toward N
ISP-AQ112	Paganica, via Pianello	Fracture	2 fractures N50-60W; width circa 0.5 cm; length circa 4 m
ISP-AQ113	Tempera, E San Biagio	Fracture	small fracture on dirt road; Strike N50W
ISP-AQ114	Road to the quarry, N Tempera cemetery	Fracture	set of fractures; Strike between N5E and N-S; maximum width up to 0.5 cm
ISP-AQ115	Cava Ciuffini, between Tempera and L'Aquila	Fracture	a fracture opened after 16/04/09: Strike N80W;
ISP-AQ116	Cava Ciuffini, between Tempera and L'Aquila	Fracture	fracture with strike N70W
ISP-AQ117	Cava Ciuffini, between Tempera and L'Aquila	Fracture	tension cracks on the quarry edge
ISP-AQ118	Colle San Giacomo, road to L'Aquila	Fracture	Strike N75-80W; length circa 7 m; width up to 2 mm
ISP-AQ119	Paganica, E bridge on Raiale-Valle d'Appari creek	fracture	Strike N70W, up to 1 cm wide; circa 6 m long; no offset
ISP-AQ120	Paganica, E bridge on Raiale-Valle d'Appari creek	fracture	Strike N70W, up to 0.5 cm wide; circa 3 m long; no offset
ISP-AQ121	Paganica, above Via del Caldarello	fracture	Strike N60W; length 10 m c.a.; width up to 3 cm
ISP-AQ122	Paganica, N Via del Caldarello	Fracture	2 main fractures: 1) N40W; circa 3-4 cm wide; circa 12 m long; 2) N55W, up to 2 cm wide; downthrow: some mm toward N
ISP-AQ123	Paganica, crossroad via Salita delle Prigioni	fracture	Strike N-S and, N of the small wall N45W; width up to millimetric
ISP-AQ124	Paganica, NE prosecution of via del Melograno	Fracture	2 fractures: N30W and N-S; length circa 4 m
ISP-AQ125	Paganica, N Via Rodrigo De Paulis	fracture	Strike N60-70W; width up to 7 cm; continues c.a. 80 m toward NW
ISP-AQ126	Paganica, N Via Rodrigo De Paulis	fracture	Strike N30-40W; width less than 10 cm; continuation of ISP-AQ124
ISP-AQ127	Paganica, SE via delle Rocce	fracture	Strike N60W; millimetric width
ISP-AQ128	Paganica, via delle Rocce, out of village	fracture	Strike N30-40W;
ISP-AQ129	Paganica, Via delle Volpi- Via Farnello	Fracture	set of fractures; Strike N40W, width up to 4-5 cm; length at least 120 m toward NW
ISP-AQ130	Paganica, S Via delle Volpi	fracture	continuation of ISP-AQ129
ISP-AQ131	Paganica, S Via delle Volpi	fracture	continuation of ISP-AQ130
ISP-AQ132	Paganica, N Via Convenisce	fracture	Strike N55W; width up to 3 cm, no downthrow

ISP-AQ133	Paganica, N Via Convenisce	fracture	Strike N40W; length circa 15 m
ISP-AQ134	Paganica, N Via Convenisce	fracture	continuation of ISP-AQ134
ISP-AQ135	N Colle Sapone, first viaduct highway A24, after L'Aquila Est, direction Teramo	fracture	Strike N65W; width up to 2 mm
ISP-AQ136	Colle Sant'Antimo, ENE first viaduct highway A24, after L'Aquila Est, direction Teramo	Slope movement	landslide in fill material; main scarp circa 10m; volume ca. 30-40000 cubic m;
ISP-AQ137	Colle Sant'Antimo, NE first viaduct highway A24, after L'Aquila Est, direction Teramo	Fracture	set of fractures; Strike N65-70W; millimetric width;
ISP-AQ138	pylon basement of the second viaduct highway A24, after L'Aquila Est, direction Teramo	Slope movement	landslide in fill material; volume: ca. 150 cubic m;
ISP-AQ139	Loc. Palude, second viaduct highway A24, after L'Aquila Est, direction Teramo	fracture	Strike N70W; width up to 1.5 cm;
ISP-AQ140	Between Macchie and Palude, second viaduct highway A24, after L'Aquila Est, direction Teramo	Fracture	Strike N25W; width up to 1 mm.
ISP-AQ141	E Colle Cucurello; third viaduct highway A24, after L'Aquila Est, direction Teramo	Fracture	Strike N55W; width circa 5mm; length circa 4 m; other millimetric fractures
ISP-AQ142	Paganica, Road to Pescomaggiore	Fracture	deformation band wide circa 2 m; Strike N 40-50W; downthrow toward SW of some cm
ISP-AQ143	Paganica, Road to Pescomaggiore	Fracture	deformation band: Strike N 40-50W;
ISP-AQ144	Tempera, circa 80 m NE "ristorante Assunta"	fracture	Strike N40W; length circa 15 m; width up to 12 cm
ISP-AQ145	Fossa, road to Fosso di Fossa	Fracture	set of fractures; at least 5 main fractures: 1) strike N65W, wide up to 1 cm; 2) strike N50W, wide up to 2 cm; 3) strike N 50W, wide 1 cm; 4) fracture band
ISP-AQ146	Tussillo	Ground failure	Length of the failed area: about 50 m
ISP-AQ147	Stiffe	Rockfall	block volume: about 3 m3
ISP-AQ148	Stiffe, road to cave, first bend after the entrance barrier	Rockfall	blocks on the road; max dimension 40X60X30 cm
ISP-AQ149	Stiffe, road to cave, circa 300 m after ISP-AQ148	Rockfall	blocks on the road; max dimension 70x60x80 cm
ISP-AQ150	Stiffe, main square before the cave	Fracture	tension cracks
ISP-AQ151	Stiffe, main square before the cave and entrance road	Rockfall	many blocks on dirt road
ISP-AQ152	Stiffe, cave entrance road	Rockfall	many blocks on dirt road; some with dimension 1x0.80x2 m. Many blocks have rollen down the road

ISP-AQ153	Stiffe, trail to waterfall, behind the old mill	Rockfall	many blocks on the trail, several with noteworthy dimension.
ISP-AQ154	Casentino, road to cemetery	Slope movement	sliding of the road embankment
ISP-AQ155	Casentino, cliff above the village	Rockfall	several blocks fallen from the cliff
ISP-AQ156	Track between Pianola and Bagno	Slope movement	rotational slide in fill material
ISP-AQ157	Road near crossroad to S.Giacomo	Fracture	5 parallel fissures. Strike N170 - N160
ISP-AQ158	Road near crossroad to S.Giacomo	Fracture	Thin fissure on paved road, strike N100
ISP-AQ159	Roio Poggio	Fracture	fracture ca 80 m long running along a paved road, and cutting also a concrete wall, strike N100, vertical offset ca. 4 cm to S, width 1 cm
ISP-AQ160	Cava Ciuffini, between Tempera and L'Aquila	Fracture	subvertical open fractures on the 15 m high quarry front, strike ca. N110
ISP-AQ161	Cava Ciuffini, between Tempera and L'Aquila	Rockfall	Blocks with diameter > 1 m
ISP-AQ162	Paganica, easternmost buildings of the village	fracture	fracture ca. 25 m long (toward east), up to some cm wide. It continues for ca. 20 m toward west, fissuring a perimetral wall
ISP-AQ163	Road East of Paganica	fracture	fracture with deformation band. Some cm of offset. Strike N 120. It continues ca. 1.5 m in the ground west of the road
ISP-AQ164	Paganica, easternmost buildings of the village	fracture	Continuation toward W of the ISP-AQ164 for tens of m. Width up to some cm
ISP-AQ165	Road East of Paganica	Fracture	set of thin fractures. Strike ca. N-S.
ISP-AQ166	farmed fields N Onna toward San Gregorio hill	Fracture	Fracture in the farmed field, width up to 2-3 cm. According to the farmer it continues for hundreds of meters to the southeast, reaching and going inside the San Gregorio hill. Strike N140
ISP-AQ167	fields N Onna toward San Gregorio hill	Fracture	same fracture system of previous point, 100 m southeast of it. Strike N140-160
ISP-AQ168	Road Capitignano - Lake Campotosto	Damage to trees	Eradicated trees and broken branches in an area extending for some hundreds of meters
ISP-AQ169	Road to Lake Campotosto	Slope movement	Small landslide in detritic material
ISP-AQ170	Road SS 80, km 27.4	Slope movement	Landslide in road embankment. Main scarp 25 m wide. Road lowering: 5 cm
ISP-AQ171	SS 80, km 18.1	Rockfall	Fallen blocks
ISP-AQ172	SS80, km 16.2	Slope movement	fracture on the road
ISP-AQ173	SS80, km 15.3	Slope movement	Arischia landslide
ISP-AQ174	Road to Bazzano	Rockfall	Modest rock falls in limestone (Lmax < 1 m).
ISP-AQ175	Road Collebrincioni - Aragno	Slope movement	Gravity movement. Length of the main scarp: about 80 m. Numerous secondary ground cracks.
ISP-AQ176	Pettino Fault	Fracture	Ground rupture a few meters long. Offset: about 10 cm pointed out by a displaced leaf blanket
ISP-AQ177	Pettino Fault	Fracture	Ground rupture a few meters long. Modest possible offset pointed out by a displaced blanket of pine needles
ISP-AQ178	Poggio Cancelli - Mascioni road (Campotosto)	Rockfall	fallen blocks: max volume about 2 cubic m
ISP-AQ179	Cugnoli - Fonte Tudico	Rockfall	fallen blocks: volume about 1 cubic m
ISP-AQ180	road SP 51 entrance of Cugnoli village	Slope movement	landslide, activated few hours after the quake, affecting the SP51 road
ISP-AQ181	Fosso Festino (Civitella Casanova)	Slope movement	shallow landslides
ISP-AQ182	Contrada Riedi - Civitella Casanova	Slope movement	the road has been damaged
ISP-AQ183	road SP 33 - Civitella Casanova	Slope movement	a roadway of the SP33 has been closed
ISP-AQ184	Civitella Casanova - Loc. Vestea	Slope movement	the SP9 road has been damaged

ISP-AQ185	road SS80 to Passo Capannelle from Arischia	Rockfall	boulders fallen on the road floor, size > 1 cubic meter
ISP-AQ186	Mascioni (Campotosto)	Rockfall	collapse from a rock scarp (Laga Flysch) which affected the external wall of a house and the road
ISP-AQ187	North of viaduct Villebasse tollway A24	Fracture	thin ground crack a few m long seen along a dirt road
ISP-AQ188	Road Aragno-San Giacomo	Fracture	thin ground crack a few m long seen along a dirt road
ISP-AQ189	Quarry "Vaccarelli" along the road from San Giacomo to Aragno	Fracture	8 cracks (ca 10 m apart from each other) in small paved road right above a major fault zone seen in the quarry wall underneath. Width up to 2 cm, strike N130
ISP-AQ190	Along the road from San Giacomo to Aragno, corresponding to southern side of quarry Vaccarelli	Fracture	fractures oblique to paved road (strike N140) on southern side of quarry, aligned with fractures on northwest side of quarry (previous point)
ISP-AQ191	Quarry "Vaccarelli" along the road from San Giacomo to Aragno	Rockfall	stones and blocks (Lmax ca. 80 cm, generally smaller) fallen on the road from the road cut