



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon Jun 14, 2021 13:36:21

Romania - Event 14103621 - Vrancea seismic zone

Mon Jun 14, 2021 10:36:21 GMT ML 3.4 N45.65 E26.69 Depth: 16.6km ID:14103621

NOTE: Accelerations, velocities and intensities are calculated automatically and are not revised by human operator. Their accuracy has not been evaluated.

Seismicity of Romania - latest large crustal earthquakes

Date	Time	Lon	Lat	Depth	Mw
24-Apr-2020	22:04:18	27.47	45.89	22.6	4.6
22-Nov-2014	19:14:17	27.15	45.87	40.9	5.4
03-Oct-2004	09:02:04	28.92	45.21	3.7	4.7
02-Dec-1991	08:49:41	21.12	45.45	9.0	5.5
18-Jul-1991	11:56:31	22.35	44.90	12.0	5.6
12-Jul-1991	10:42:21	21.05	45.38	11.0	5.6
01-Apr-1988	07:15:44	27.70	47.90	17.0	4.2
19-Jul-1987	02:18:56	27.79	45.55	15.0	4.4
13-Nov-1981	09:07:08	29.00	45.17	15.0	5.1
11-Sep-1980	23:24:25	28.03	45.32	20.4	4.2

Source: ROMPLUS Catalogue

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Attenuation laws – GMPE::BJF97 IPE::TA09_mmi

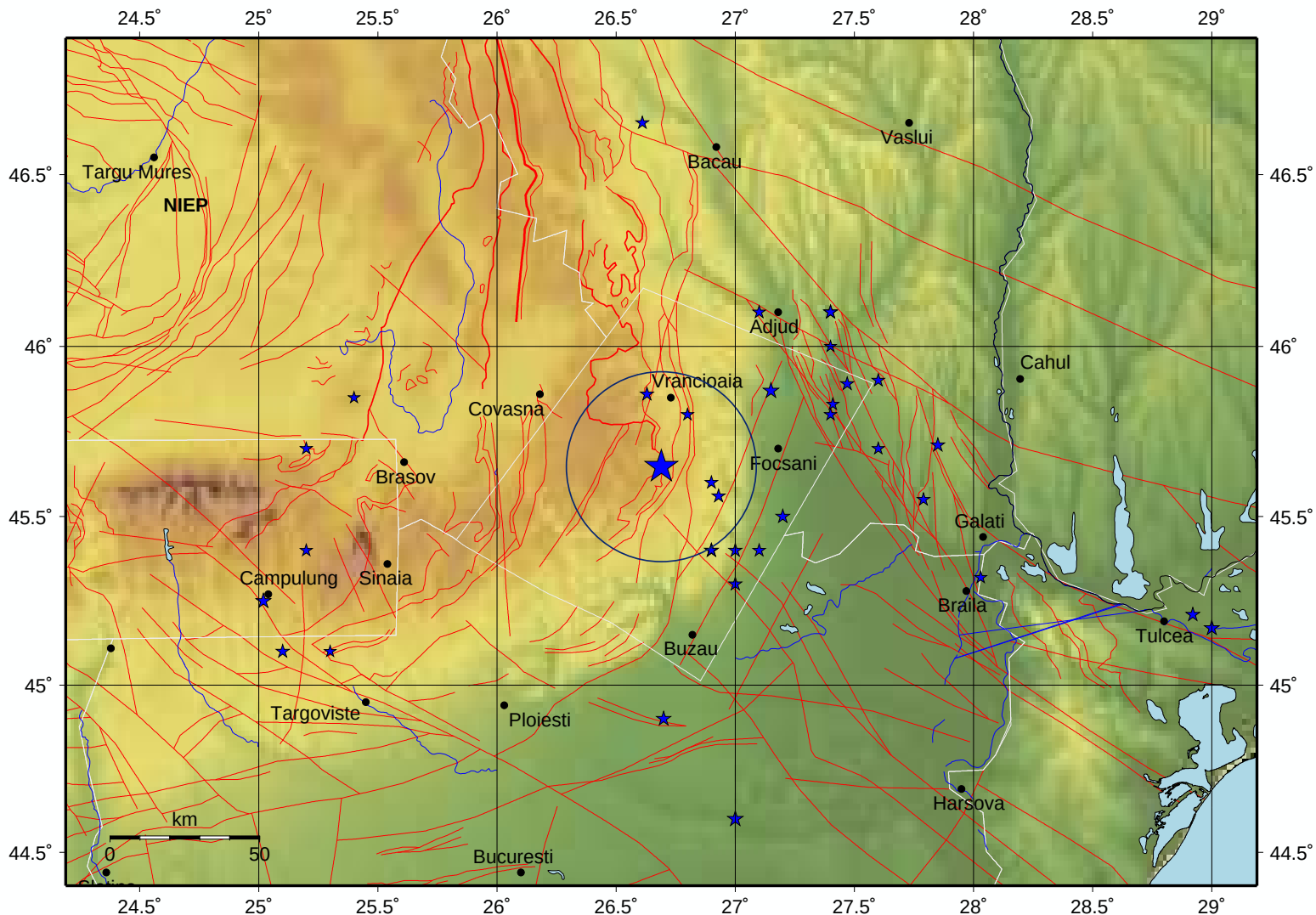
Max. grid values – pga: 36.20(cm/sec**) pgv: 0.06(cm/sec) mi: 4.5

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Local time

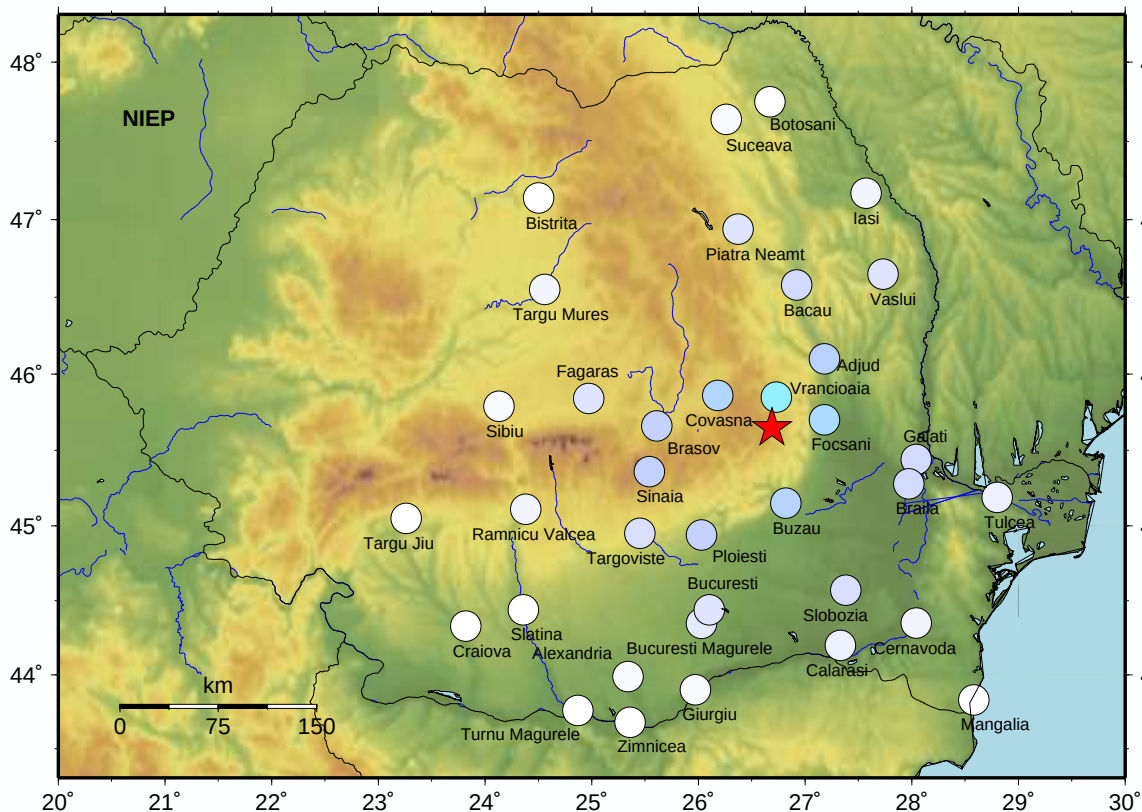
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Fault lines



Estimated intensities based on IPE::TA09_mmi attenuation law

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City	Distance(km)
Vrancioaia	22
Focsani	38
Covasna	46
Buzau	56
Adjud	63
Brasov	84
Ploiesti	94
Sinaia	95
Bacau	105
Galati	107
Braila	108
Targoviste	124
Slobozia	131
Fagaras	135
Vaslui	137
Bucuresti	141
Piatra Neamt	145
Bucuresti Magurele	153
Calarasi	168
Tulcea	172
Cernavoda	179
Iasi	182
Ramnicu Valcea	190
Targu Mures	192
Sibiu	199
Giurgiu	202
Alexandria	212
Suceava	223
Slatina	227
Botosani	233
Bistrita	236
Zimnicea	242
Mangalia	251
Turnu Magurele	254
Craiova	269
Targu Jiu	276

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

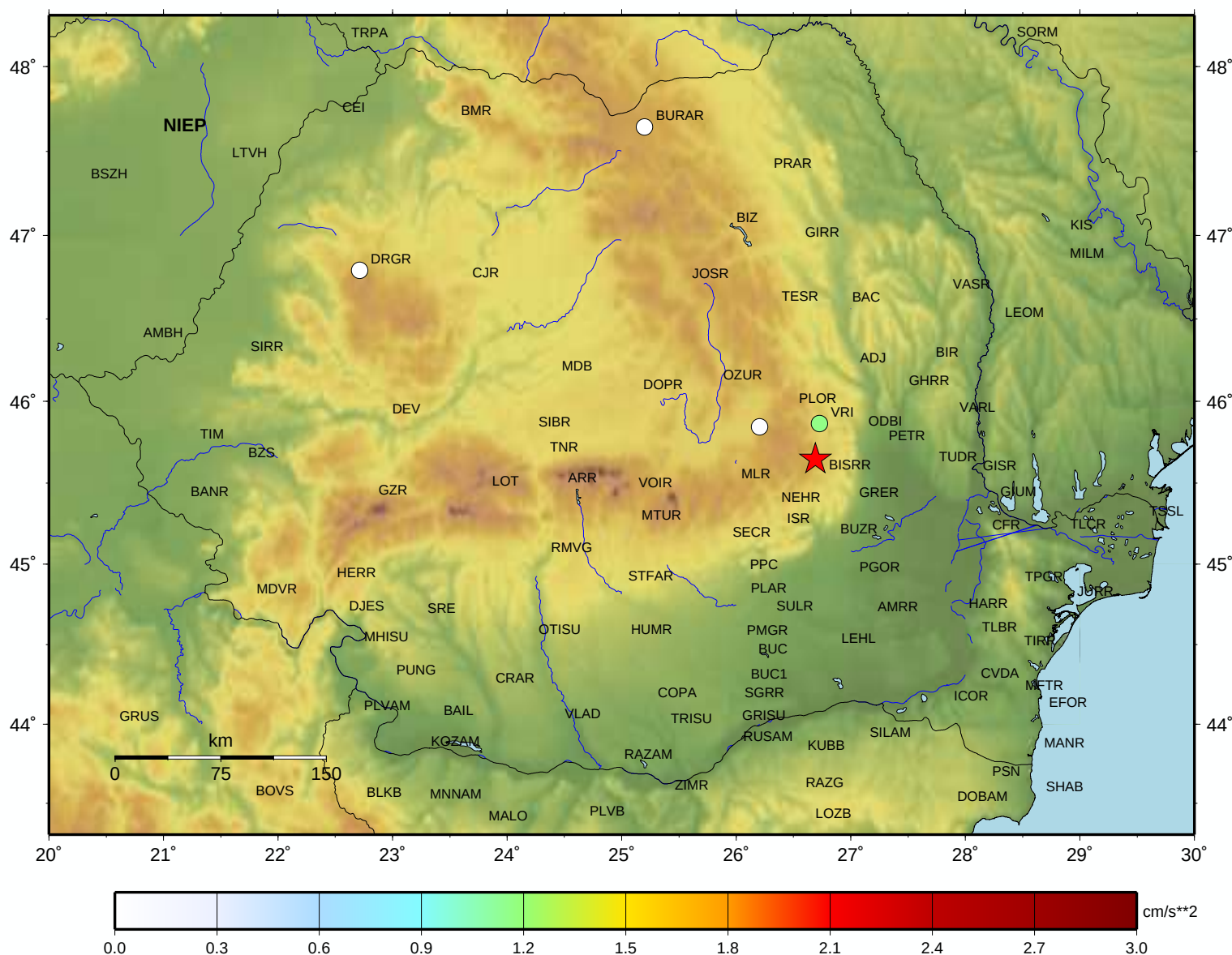
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga(cm/sec**2)		
VRI	HNE	1.16
COVR	HNN	0.04
DRGR	HNE	0.00
BURAR	BHN	0.00

Observed stations accelerations – Antelope platform (cm/sec**2)

Maximum observed acceleration: VRI_HNE -1.16

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Maximum observed velocity: SAHR_HHE 0.95
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