



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Thu Oct 16, 2025 08:34:52

Romania - Event 16053452 - Vrancea seismic zone

Thu Oct 16, 2025 05:34:52 GMT ML 3.7 N45.69 E26.61 Depth: 138.7km ID:16053452

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 intermediate earthquakes

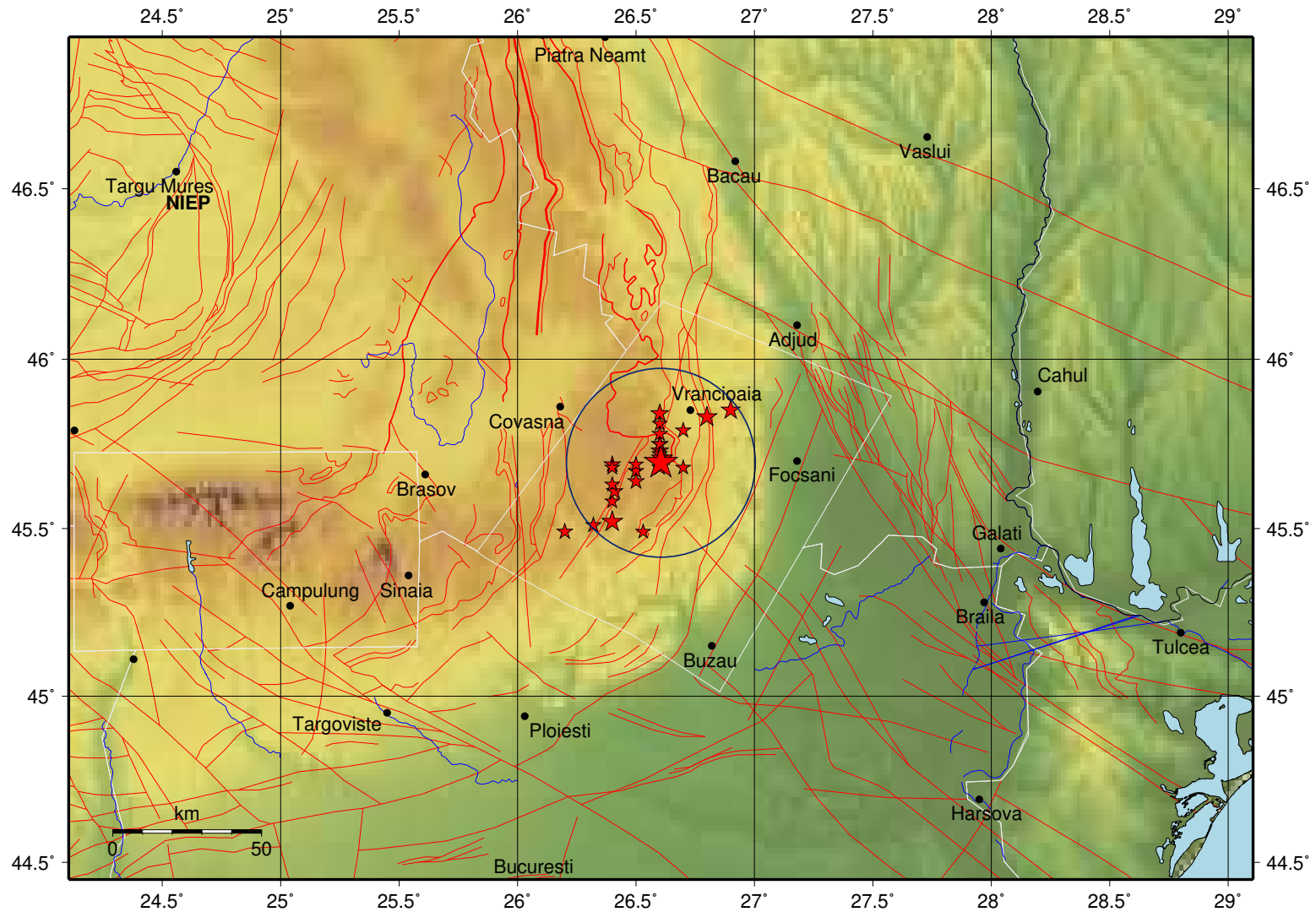
Date	Time	Lon	Lat	Depth	Mw
16-Sep-2024	14:40:22	26.32	45.51	128.4	5.1
03-Nov-2022	04:50:25	26.53	45.49	149.0	4.9
28-Oct-2018	00:38:11	26.41	45.61	147.8	5.5
27-Dec-2016	23:20:55	26.60	45.71	96.9	5.6
23-Sep-2016	23:11:20	26.62	45.71	92.0	5.5
06-Oct-2013	01:37:21	26.50	45.67	135.1	5.2
01-May-2011	02:24:15	26.40	45.58	146.1	4.9
25-Apr-2009	17:18:48	26.60	45.68	109.6	5.4
13-Dec-2005	12:14:45	26.70	45.68	136.8	4.9
18-Jun-2005	15:16:41	26.60	45.72	153.7	5.2

Source: ROMPLUS Catalogue

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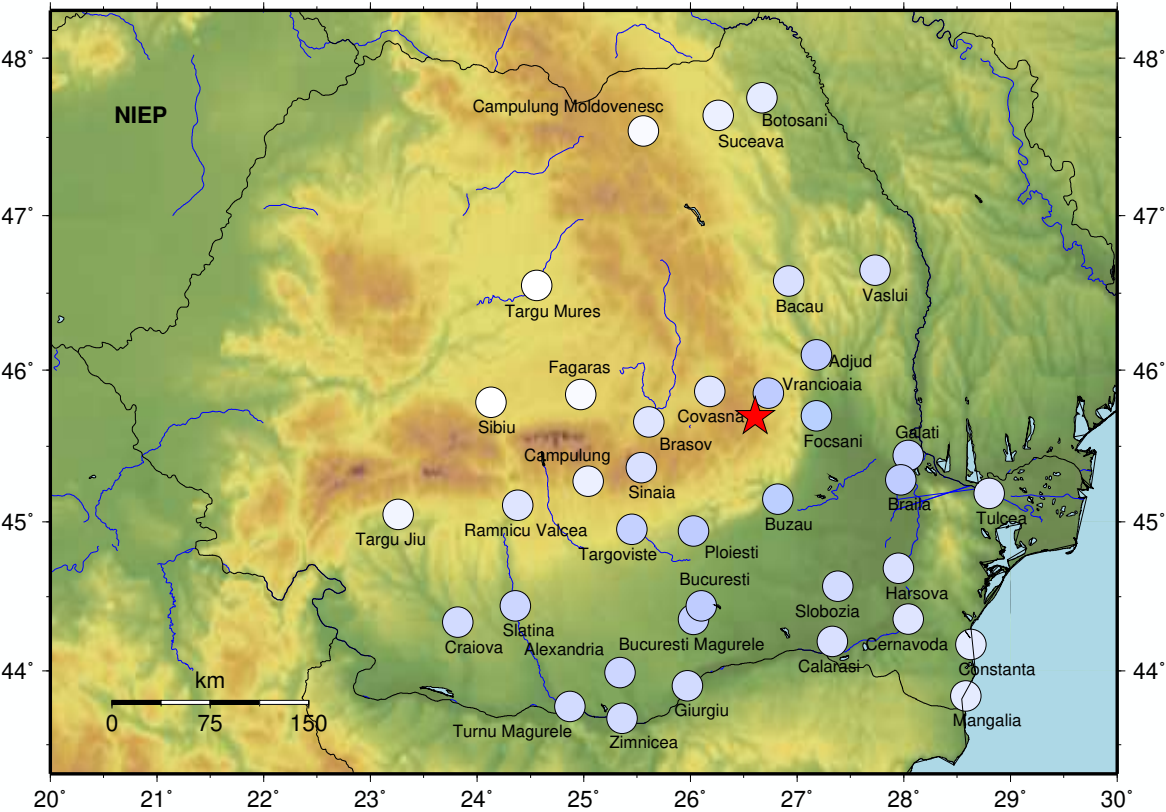
Attenuation laws – GMPE::VS10 IPE::VS04_msk
Max. grid values – pga: 0.10(cm/sec**) pgv: 0.00(cm/sec) mi: 2.2
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Local time
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	19
Covasna	37
Focsani	44
Buzau	62
Adjud	63
Brasov	77
Sinaia	91
Ploiesti	95
Bacau	101
Galati	115
Braila	116
Targoviste	122
Fagaras	128
Campulung	131
Vaslui	137
Slobozia	139
Bucuresti	144
Harsova	153
Bucuresti Magurele	156
Calarasi	175
Tulcea	180
Targu Mures	184
Ramnicu Valcea	185
Cernavoda	187
Sibiu	192
Giurgiu	205
Alexandria	214
Suceava	217
Campulung M.	220
Slatina	225
Botosani	228
Constanta	232
Zimnicea	244
Turnu Magurele	255
Mangalia	259
Craiova	266
Targu Jiu	271

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+

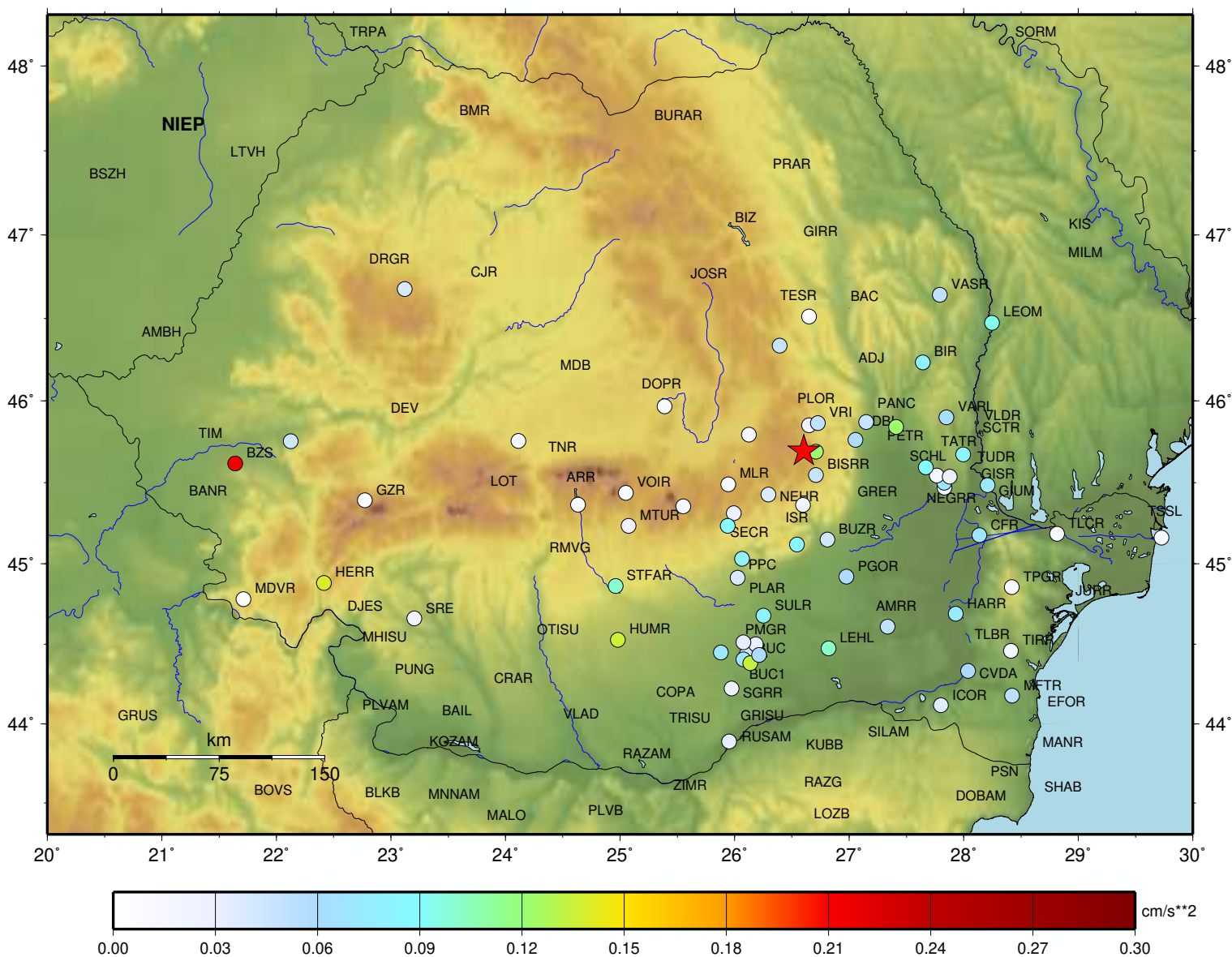
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National- Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)

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

Maximum observed acceleration: BZS_HNN 0.21

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

Max. pgv (cm/sec)

Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: HUMR_HHE 0.00

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