



National Institute for Earth Physics - Magurele

## Seismic report - manual

Event local time: Sun Oct 12,2025 20:48:22

Romania - Event 12174822 - Vrancea seismic zone

Sun Oct 12, 2025 17:48:22 GMT ML 3.7 N45.52 E26.46 Depth: 121.6km ID:12174822

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

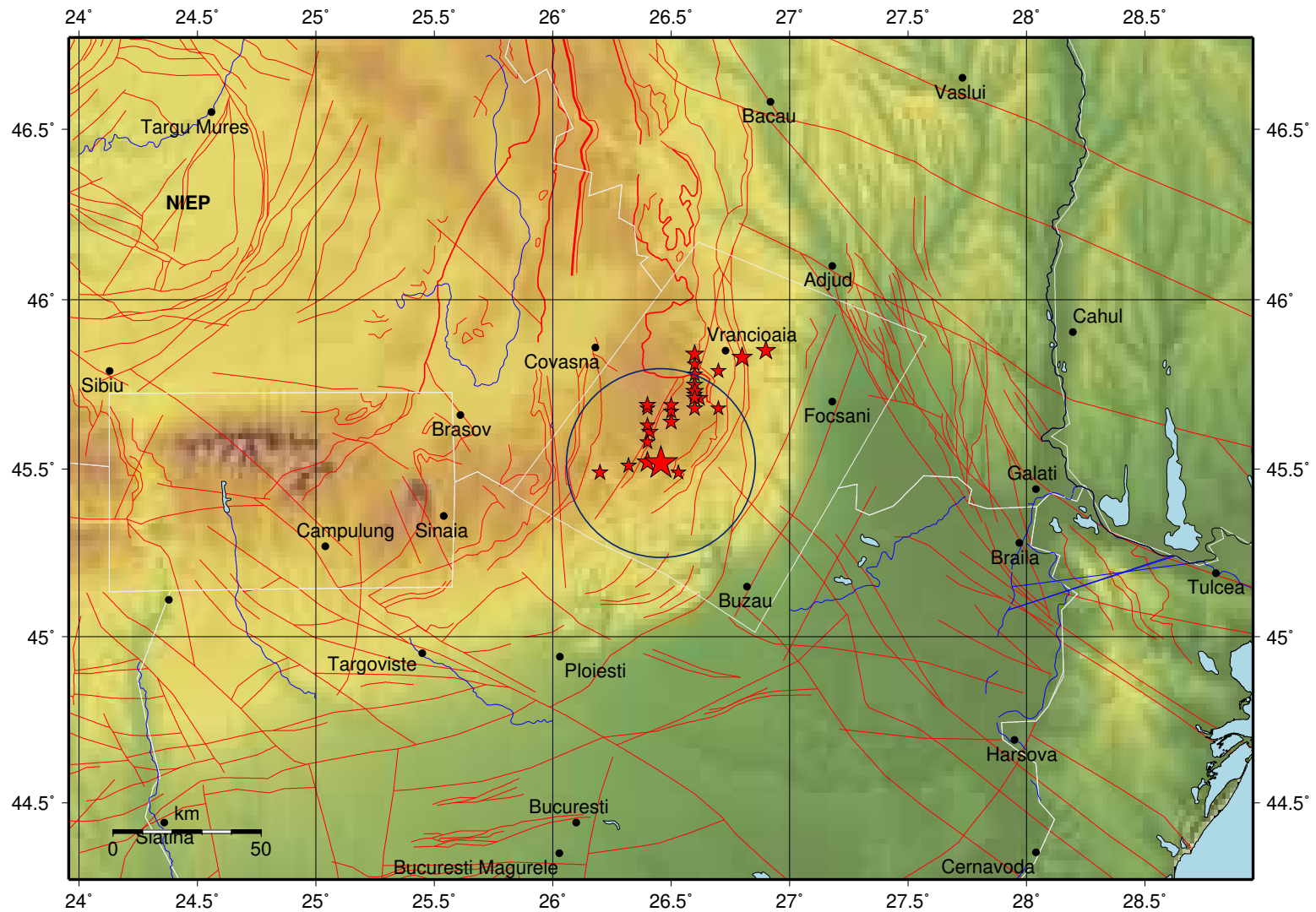
| Date        | Time     | Lon   | Lat   | Depth | Mw  |
|-------------|----------|-------|-------|-------|-----|
| 16-Sep-2024 | 14:40:22 | 26.32 | 45.51 | 128.4 | 5.1 |
| 03-Nov-2022 | 04:50:25 | 26.53 | 45.49 | 149.0 | 4.9 |
| 28-Oct-2018 | 00:38:11 | 26.41 | 45.61 | 147.8 | 5.5 |
| 27-Dec-2016 | 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

## Romania – Event 12174822 – Vrancea seismic zone

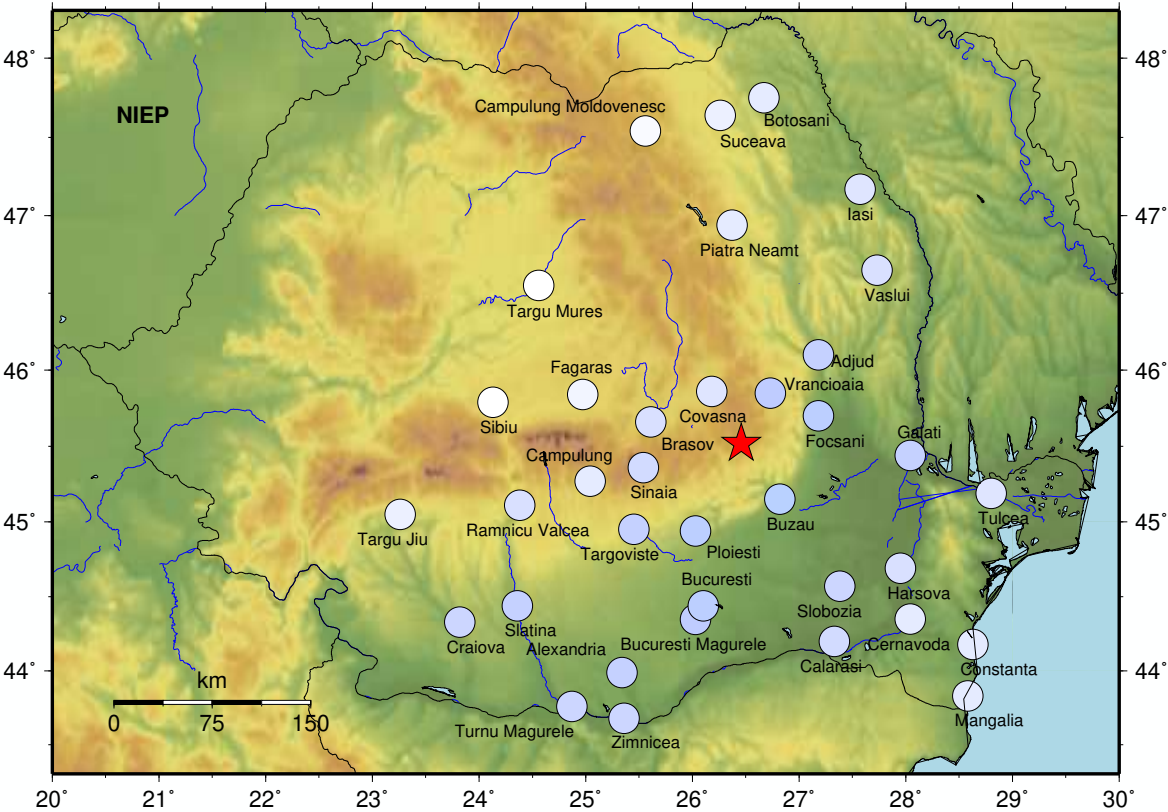
Attenuation laws – GMPE::VS10 IPE::VS04\_msk  
Max. grid values – pga: 0.10(cm/sec\*\*) pgv: 0.01(cm/sec) mi: 2.2  
Sun Oct 12, 2025 17:48:22 GMT ML 3.7 N45.52 E26.46 Depth: 121.6km ID:12174822 **Mw 3.5**

Local time  
Sun Oct 12, 2025 20:48:22  
Fault lines



Estimated intensities based on IPE::VS04\_msk attenuation law

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| City               | Distance(km) |
|--------------------|--------------|
| Vrancioaia         | 42           |
| Covasna            | 43           |
| Buzau              | 49           |
| Focsani            | 59           |
| Brasov             | 67           |
| Ploiesti           | 72           |
| Sinaia             | 73           |
| Adjud              | 85           |
| Targoviste         | 101          |
| Campulung          | 114          |
| Fagaras            | 121          |
| Bucuresti          | 123          |
| Galati             | 124          |
| Slobozia           | 127          |
| Bucuresti Magurele | 134          |
| Harsova            | 149          |
| Piatra Neamt       | 158          |
| Vaslui             | 159          |
| Calarasi           | 161          |
| Ramnicu Valcea     | 169          |
| Cernavoda          | 180          |
| Sibiu              | 183          |
| Targu Mures        | 186          |
| Tulcea             | 187          |
| Alexandria         | 191          |
| Iasi               | 202          |
| Slatina            | 204          |
| Zimnicea           | 221          |
| Constanta          | 227          |
| Turnu Magurele     | 232          |
| Campulung M.       | 235          |
| Suceava            | 236          |
| Craiova            | 246          |
| Botosani           | 248          |
| Mangalia           | 252          |
| Targu Jiu          | 256          |

| 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+         |

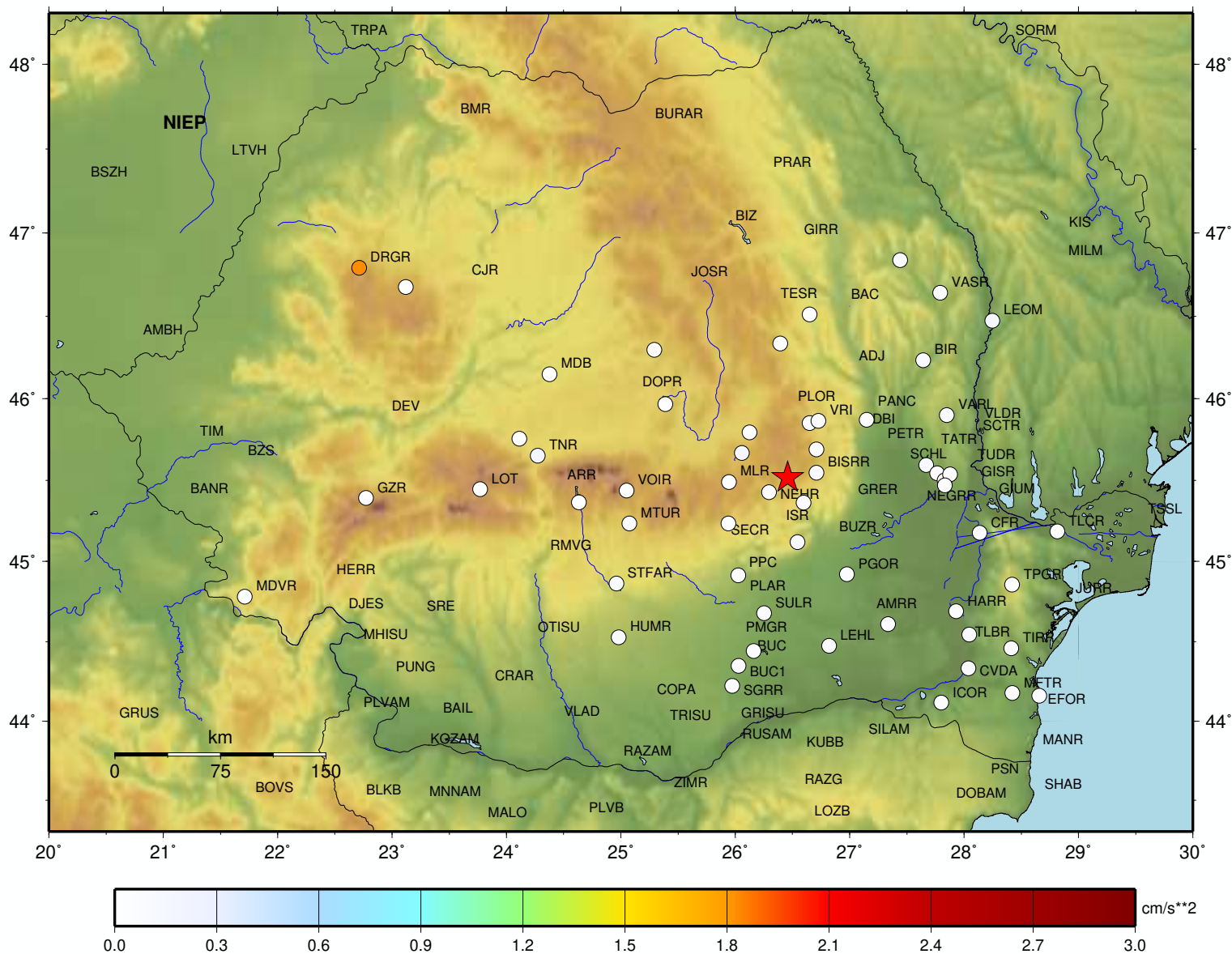
# The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National- Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec\*\*2)

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

Maximum observed acceleration: DRGR\_HNE 1.83

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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: BISRR\_HHE 0.01

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