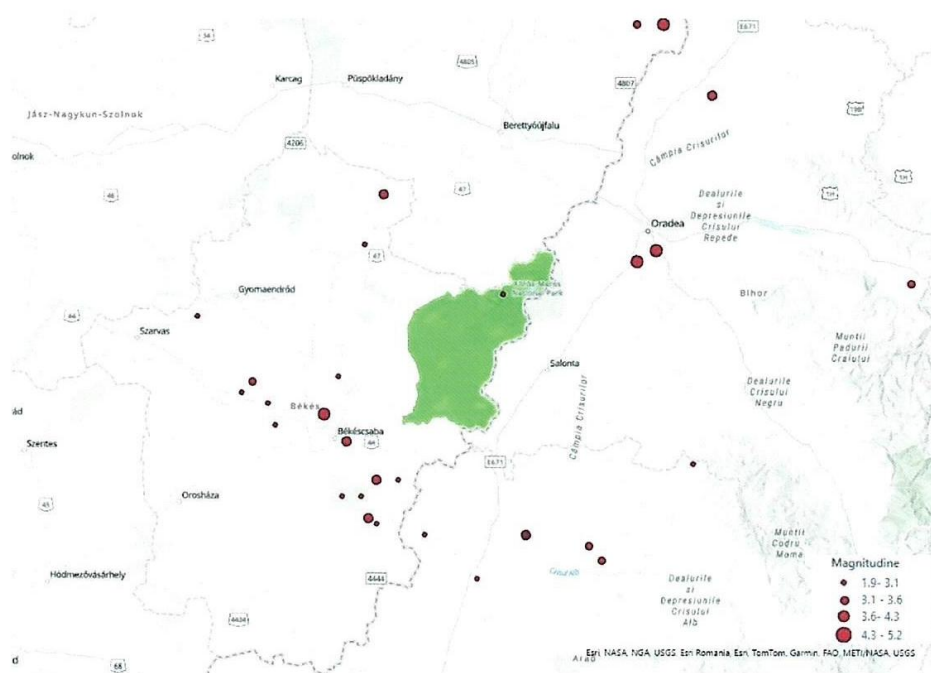




Annex to letter no. DGEICPSC/124786/05.02.2026
regarding seismic activity in the area of the Corvinus Project

In the figure below, the current seismicity was generated using as sources the Corvinus Project, the INCDFP catalog <https://www.infp.ro/index.php?i=romplus>, EMSC https://emsc-csem.org/Earthquake_information/ and <http://www.seismology.hu/index.php/en/> in which only earthquakes above M1,9 (which could be felt by the population) are selected.

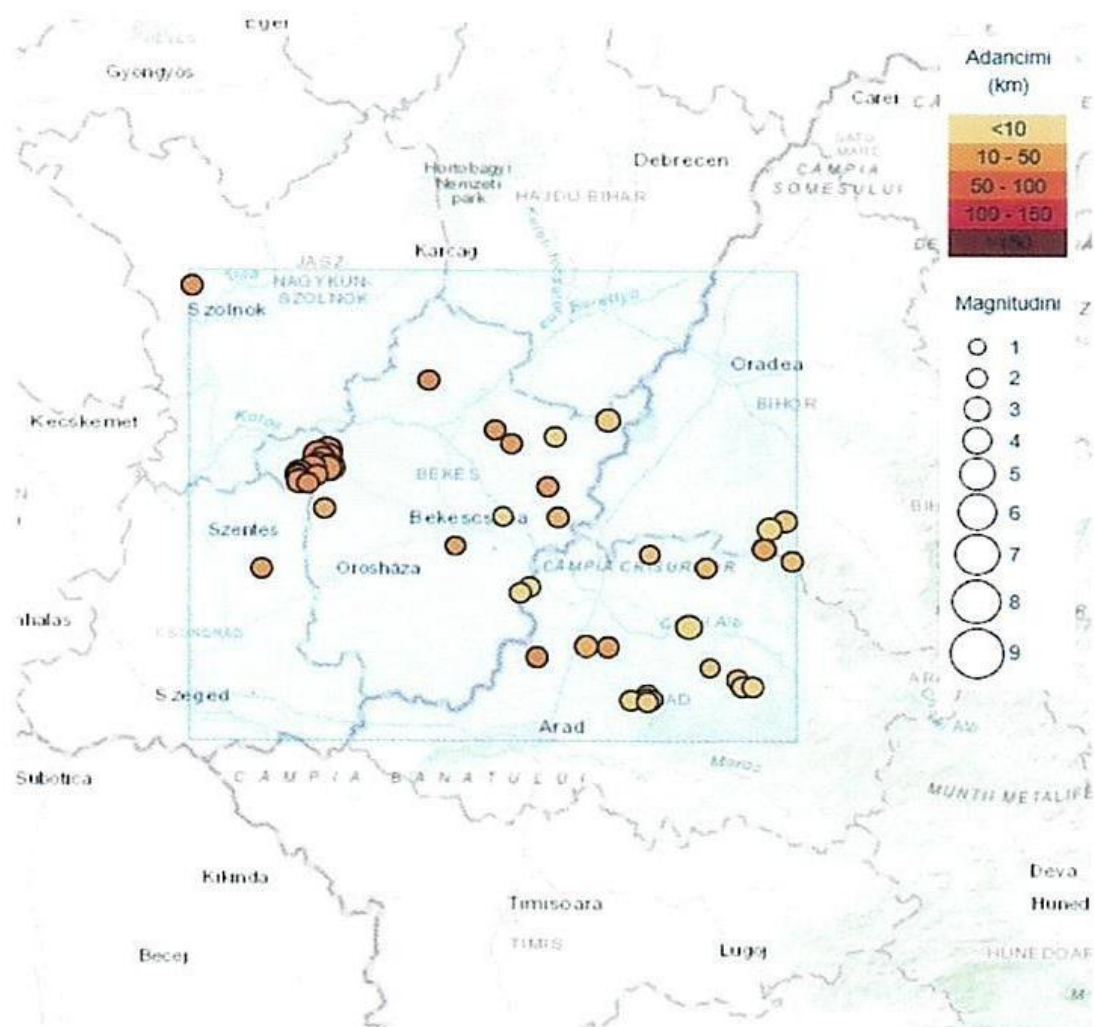


The presence of historical seismicity, well documented in specialized literature, indicates the presence of faults whose activity is sporadic and diffuse, but have the capacity to produce significant events (such as those in the vicinity of the city of Bekescsaba Mw 3,8 in 1823 and 1852, epicentral intensity V MSK or the one recorded in 1978/6/22 with Mw 4,6, for the latter the intensity observed in the area reached values VI-VII MSK). In the same figure, significant seismicity can also be observed in the area of the city of Oradea with 2 historical events 1614,

Mw 4,5 and 1886/4/12, Mw4,5, both reaching values of macroseismic intensity VI MSK. These events are recorded less than 40km from the exploitation perimeter. Possible faults, pre-existing to exploitation activities but with a demonstrated capacity to produce significant seismic events, can be activated by the circulation of injection fluids in the crust, favoring the increase in local seismicity. In addition, the injection of fluids at high pressure produces pressure diffusion over long distances, exceeding the monitored area, and can also influence the reserves of thermal waters in the Western Plain, with a negative impact on the energy, tourist and economic potential of the region.

The local seismicity in the last three years, the period that coincides with the operating period of the exploitation in Békés County (earthquakes with $ML \geq 2$) can be consulted in the table below (platform source <https://ph.infp.ro/seismicity/data>). The platform also collects responses to macroseismic questionnaires provided by the population immediately after an earthquake. On the last column (feedback) in the table you can find the number of responses to the respective earthquakes, proof that the earthquakes in Hungary are felt or have macroseismic effects in Romania.

time	lat	lon	depth	region	magnitude ML	feedback
2/17/2025 19:35	46.4466	21.8092	1.7	CRISANA, ARAD	3.2	61
11/14/2024 2:11	46.6185	21.6794	5.4	CRISANA, ARAD	2	0
4/9/2024 10:48	46.6381	21.0544	10.6	HUNGARY-ROMANIA BORDER	2	0
9/8/2023 5:09	46.8564	20.6473	25	HUNGARY	3.1	0
8/22/2023 22:35	46.8241	20.6511	19.3	HUNGARY	3.6	0
8/20/2023 3:13	46.794	20.5573	19.1	HUNGARY	3.4	0
8/20/2023 1:52	46.8624	20.6507	27.6	HUNGARY	3.9	0
8/19/2023 16:20	46.8087	20.5552	28.8	HUNGARY	4	15
8/19/2023 16:12	46.8066	20.6083	19.2	HUNGARY	2.1	0
8/19/2023 15:54	46.8209	20.5987	23.7	HUNGARY	3.9	0
8/19/2023 15:02	46.7287	20.6325	8.1	HUNGARY	2.3	0
8/19/2023 14:38	46.8042	20.5515	23.4	HUNGARY	2.5	0
8/19/2023 12:47	46.7906	20.5768	24.5	HUNGARY	2.4	0
8/19/2023 12:21	46.8285	20.6138	26.3	HUNGARY	3.4	0
8/19/2023 12:18	46.8062	20.5462	13.2	HUNGARY	2.7	0
8/19/2023 10:51	46.8507	20.6281	32.6	HUNGARY	2.9	0
8/19/2023 9:16	46.8247	20.656	29.5	HUNGARY	4.1	13
8/19/2023 9:13	46.8568	20.6181	28.7	HUNGARY	4	3
8/17/2023 9:56	46.304	21.9796	3.8	CRISANA, ARAD	2.1	0
2/23/2023 9:44	46.3042	22.009	2	CRISANA, ARAD	2.1	0



Map of the area's seismicity over the entire period of gas extraction (2014 - present 47 earthquakes).

Unfortunately, there is no previous monitoring data to calculate the variability or a possible increase in local seismic activity. However, we note that out of the 47 earthquakes, 20 occurred only in the last 3 years.