Supplementary material for "The effect of 2020 COVID-19 lockdown measures on seismic noise recorded in Romania"

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Contents of this file:

10 **Figure S1:** Comparison of long-term evolution of seismic noise at BTMR station in Bucharest estimated in the frequency band of 2-8 Hz from a) velocity data and b) acceleration data.

Figure S2: Comparison of seismic noise and wind data at station MLR (Muntele Rosu). (a) Long-term evolution of seismic noise. The two vertical lines mark the May 01 - 10 interval for which the analysis was performed. (b) Spectrogram computed in the frequency band 4-14 Hz. (c) Representation of the wind speed data. Note a good correlation between the noise peak

observed in the selected window (a), the increase of the noise power in the spectrogram between May 06 and May 08, 2020(b) and the significant increase of the wind speed for the same interval (c).

Figure S3: Lockdown effects shown on 24-hour clock plots at the station PMGR located in the park in Mogosoaia city.

Figure S4: Changes in DRMS at stations CTISU and BTMR compared to Google (a) and Apple's (b) mobility data.

20 Figure S1 is to support the Data and method section of the manuscript, to illustrate the similar shape of DRMS computed using velocity and accelerometer recordings.

Figure S2 is to support the Results section of the manuscript, to illustrate the long-term evolution of DRMS at the MLR station in connection with wind speed variations.

Figure S3 is to support the Discussion section of the manuscript to better illustrate the influence of the movement of people on

25 the seismic noise variation in the vicinity of a seismic station.

Figure S4 is to support the Discussion section of the manuscript to better illustrate the match between the variation in seismic noise and data mobility's trends.



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Day/Hour Median Noise levels Station RO.PMGR..HNZ - [15.0-25.0] Hz



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Figure S1: Changes in DRMS at stations CTISU and BTMR compared to Google (a) and Apple's (b) mobility data.